



“THE TIMES,” December 29, 1894, says in a leading article on

“OUR DAUGHTERS”

“FIVE per cent. was regarded as the current rate of interest on good security when paterfamilias set up housekeeping; now he must think himself lucky when he can get Three.”

THE MUTUAL LIFE INSURANCE  
COMPANY OF NEW YORK

Guarantees Five per Cent.

UNDER ITS

DEBENTURE POLICY

Which also provides for

DEATH DUTIES, CHILDREN'S EDUCA-  
TION, MARRIAGE SETTLEMENTS, OR  
BUSINESS CAPITAL UNDER ONE  
CONTRACT.

ACCUMULATED FUNDS, £42,000,000.

Apply for particulars to any of the Branch  
Offices, or to

**D. C. HALDEMAN**

(General Manager for the United Kingdom),

17 & 18 CORNHILL, LONDON, E.C.



# SCOTTISH PROVIDENT INSTITUTION,

Edinburgh, 6 St. Andrew Square; London, 17 King William St., E.C.

## TRUSTEES.

Sir ROBERT JARDINE, of Castlemilk, Bart., | A. H. LESLIE MELVILLE, Esq., Banker, Lincoln.  
M.P. | JOHN A. CAMPBELL, Esq., of Stracathro,  
Sir JOHN COWAN, of Beeslack, Bart. | LL.D., M.P.  
Right Hon. LORD WATSON, of Thankerton, one of the Lords of Appeal.

IN THIS SOCIETY are combined the advantages of  
**Mutual Assurance with Moderate Premiums.**

THE PREMIUMS are so moderate that an Assurance of £1,200 or £1,250 may generally be secured from the first for the yearly payment which usually would be charged (with profits) for £1,000 only—equivalent to an immediate Bonus of 20 to 25 per cent.

The WHOLE PROFITS go to the Policyholders, on a system at once safe and equitable—no share being given to those by whose early death there is a loss. Large additions have thus been, and will be, made to the policies of those who participate, notwithstanding the lowness of the premiums.

The SURPLUS at last Investigation (1887) was £1,051,035, which, after reserving one third, was divided among 9,384 Policies entitled to participate. First additions (with few exceptions) ranged from 18 to 34 per cent., according to age and class. Other policies were increased in all 50 to 80 per cent.

The DISTINCTIVE SYSTEM of the Institution is specially suitable for Assurances effected for the purpose of providing a Fund for payment of the

## DEATH DUTIES

recently imposed. The Premiums with right to participate in Surplus differ little from the non-profit rates of other Offices; nevertheless, as the result of persistent economy and prudent management, the Bonus Additions under Policies becoming claims have averaged for many years **50 per cent.** on the Assurances which participated.

Examples of Premium for £100 at death—with Profits.

Age	25	30	35	40	45	50
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
During Life ...	1 18 0	2 1 6*	2 6 10	2 14 9†	3 5 9	4 1 7
21 Payments ...	2 12 6	2 15 4	3 0 2	3 7 5	3 17 6	4 12 1

[The usual non-participating rates differ very little from these Premiums.]

\* Thus a person of 30 may secure £1,000 at Death by a yearly payment, *during life*, of £20 15s., which would generally elsewhere secure £800 only. OR, he may secure the same sum by 21 payments of £27 13s. 4d.—being thus free of payment after age 50.

† At age 40 the Premium, *ceasing at 60*, is, for £1,000, £33 14s. 2d.,—being about the same as most Offices require during the whole term of life. *Before these Premiums have ceased, the Policy will have shared in at least one division of profits, and, while in force, will continue to share.*

THE ACCUMULATED FUNDS EXCEED £8,750,000.

**Endowment Assurances.**—Rates for these, with or without *guaranteed* fixed additions, may be had on application.

ALL POLICIES (not seafaring or military risks, for which special arrangements are made) are WORLD-WIDE after five years—provided the Assured has attained the age of 30.

REPORTS, with full information and TABLES of RATES, may be had on application.

J. MUIR LEITCH, London Secretary.

JAMES GRAHAM WATSON, Manager.

THE  
**LEGAL AND GENERAL**  
LIFE ASSURANCE SOCIETY.  
ESTABLISHED 1836.

TRUSTEES.

The Right Hon. Lord HALSBURY.  
The Hon. Mr. Justice KEKEWICH.  
FREDERICK JOHN BLAKE, Esq.

The Rt. Hon. Sir JAMES PARKER DEANE,  
Q.C., D.C.L.  
WILLIAM WILLIAMS, Esq.

DIRECTORS.

BACON, The Right Hon. Sir JAMES.  
BLAKE, FREDK. JOHN, Esq.  
BROOKS, WILLIAM, Esq. (Basingstoke).  
DAVEY, The Right Hon. Lord.  
DEANE, The Rt. Hon. Sir JAMES PARKER,  
Q.C., D.C.L.  
DICKINSON, JAMES, Esq., Q.C.  
ELLIS, EDMUND HENRY, Esq.  
FRERE, GEO. EDGAR, Esq.  
GARTH, The Right Hon. Sir RICHARD, Q.C.  
HARRISON, CHAS., Esq.  
KEKEWICH, The Hon. Mr. Justice.  
LOPES, The Right Hon. Lord Justice.  
MASTERMAN, H. CHAUNCY, Esq.

MATHEW, The Hon. Mr. Justice.  
MEEK, A. GRANT, Esq. (Devizes).  
MELLOR, The Rt. Hon. JOHN W., Q.C.,  
M.P.  
MILLS, RICHARD, Esq.  
MORRELL, FREDC. P., Esq. (Oxford).  
PEMBERTON, HENRY LEIGH, Esq.  
PENNINGTON, RICHARD, Esq.  
ROWCLIFFE, EDWARD L., Esq.  
SALTWELL, WILLIAM HENRY, Esq.  
WILDE, SPENCER C., Esq.  
WILLIAMS, C. REYNOLDS, Esq.  
WILLIAMS, ROMER, Esq.  
WILLIAMS, WILLIAM, Esq.

ESTABLISHED  
OVER HALF A CENTURY.

SIMPLE.

SOLICITOR.  
N.T. LAWRENCE, Esq.

THE  
**PERFECTED SYSTEM**  
OF  
**LIFE**  
**ASSURANCE.**

FREE.

BANKERS.  
Messrs.  
CHILD & Co.

SECURE

PHYSICIAN.  
THOS. T. WHIPHAM, Esq., M.D.  
ACTUARY & MANAGER.  
E. COLQUHOUN.

**ADVANTAGES: NO CONDITIONS.**

1. Policies free from all Restrictions and Conditions.
2. Guaranteed Surrender Values.
3. Automatic System for Protection of Policies from Forfeiture.
4. Large Bonuses.
5. Simplicity.
6. Security.
7. Immediate Payment of Death Claims.

Loans made, on Moderate Terms, on Reversionary and Life Interests,  
which are also purchased at favourable prices.

**10 FLEET STREET, LONDON, E.C.**

[To face Half-title.]

THE  
STATESMAN'S YEAR BOOK

1895

THIRTY-SECOND ANNUAL PUBLICATION



THE  
STATESMAN'S YEAR-BOOK

STATISTICAL AND HISTORICAL ANNUAL OF  
THE STATES OF THE WORLD  
FOR THE YEAR

1895

EDITED BY

J. SCOTT KELTIE

ASSISTANT SECRETARY TO THE ROYAL GEOGRAPHICAL SOCIETY

WITH THE ASSISTANCE OF

I. P. A. RENWICK, M.A., LL.B.

THIRTY-SECOND ANNUAL PUBLICATION

*REVISED AFTER OFFICIAL RETURNS*

LONDON

MACMILLAN AND CO.

AND NEW YORK

1895

36318  
10/24/95

JA

57

57

1895-

cap. 3

Man sagt oft : Zahlen regieren die Welt.  
Das aber ist gewiss, Zahlen zeigen *wie* sie regiert wird.

GOETHE

## PREFACE

EVERY effort has been made as in past years to renew the whole of the statistics of the YEAR-BOOK, and bring these and the other information which it contains up to the latest date. It is hoped that the result will be found satisfactory. A special feature in the present issue is the information appended to the commercial statistics of various countries as to their systems of customs valuation; the information is the result of an inquiry on the subject which was instituted during the year.

The Editor must again express his warmest thanks to the great army of friendly collaborators all over the world, without whose aid it would be impossible to issue the STATESMAN'S YEAR BOOK.

The navies have been again revised by Mr. John Leyland.

J. S. K.

OFFICE OF 'THE STATESMAN'S YEAR-BOOK,'

29 BEDFORD STREET, STRAND,

LONDON, W.C.

*February 25, 1895.*

1847  
1848  
1849  
1850  
1851  
1852  
1853  
1854  
1855  
1856  
1857  
1858  
1859  
1860  
1861  
1862  
1863  
1864  
1865  
1866  
1867  
1868  
1869  
1870  
1871  
1872  
1873  
1874  
1875  
1876  
1877  
1878  
1879  
1880  
1881  
1882  
1883  
1884  
1885  
1886  
1887  
1888  
1889  
1890  
1891  
1892  
1893  
1894  
1895  
1896  
1897  
1898  
1899  
1900

In the year 1847  
the number of  
the year 1848  
the year 1849  
the year 1850  
the year 1851  
the year 1852  
the year 1853  
the year 1854  
the year 1855  
the year 1856  
the year 1857  
the year 1858  
the year 1859  
the year 1860  
the year 1861  
the year 1862  
the year 1863  
the year 1864  
the year 1865  
the year 1866  
the year 1867  
the year 1868  
the year 1869  
the year 1870  
the year 1871  
the year 1872  
the year 1873  
the year 1874  
the year 1875  
the year 1876  
the year 1877  
the year 1878  
the year 1879  
the year 1880  
the year 1881  
the year 1882  
the year 1883  
the year 1884  
the year 1885  
the year 1886  
the year 1887  
the year 1888  
the year 1889  
the year 1890  
the year 1891  
the year 1892  
the year 1893  
the year 1894  
the year 1895  
the year 1896  
the year 1897  
the year 1898  
the year 1899  
the year 1900



# CONTENTS

## INTRODUCTORY TABLES :—

	PAGE
I. The Value of Silver . . . . .	xxiv
II. The Wheat Crops of the World . . . . .	xxvi
III. The Navies of the World . . . . .	xxvii
IV. The World's Shipping . . . . .	xxviii
V. The Railways of Europe . . . . .	xxix
VI. The British Empire . . . . .	xxx, xxxi
Additions and Corrections . . . . .	xxxii

## PART THE FIRST.

### THE BRITISH EMPIRE.

Reigning Queen and Empress . . . . .	3
--------------------------------------	---

#### I. THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND—

	PAGE		PAGE
Constitution and Govern- ment . . . . .	6	Production and Industry . . . . .	66
Area and Population . . . . .	14	Commerce . . . . .	79
Religion . . . . .	28	Shipping and Navigation . . . . .	87
Instruction . . . . .	33	Internal Communications . . . . .	90
Justice and Crime . . . . .	38	Money and Credit . . . . .	95
Pauperism . . . . .	40	Money, Weights, and Measures . . . . .	96 <i>b</i>
Finance . . . . .	42	Books of Reference . . . . .	96 <i>b</i>
Defence . . . . .	53		

#### II. INDIA, THE COLONIES, PROTECTORATES, AND DEPENDENCIES—

	PAGE		PAGE
EUROPE—		CEYLON—	
GIBRALTAR . . . . .	98	Constitution and Govern- ment . . . . .	103
MALTA . . . . .	99	Area and Population . . . . .	104
ASIA—		Religion . . . . .	104
ADEN, PERIM, SOMALILAND, SOCOTRA, AND BAHREIN ISLANDS . . . . .	100	Instruction . . . . .	104
BORNEO (BRITISH) . . . . .	101	Justice and Crime . . . . .	105
		Pauperism . . . . .	105

	PAGE		PAGE
<b>CEYLON—</b>		<b>THE STRAITS SETTLEMENTS—</b>	
Finance . . . . .	105	Constitution and Govern- ment . . . . .	158
Defence . . . . .	106	Area and Population . . . . .	159
Production and Industry . . . . .	106	Instruction . . . . .	160
Commerce . . . . .	106	Justice and Crime . . . . .	161
Shipping and Communica- tions . . . . .	108	Finance . . . . .	161
Money and Credit . . . . .	108	Defence . . . . .	162
Dependency . . . . .	108	Production and Industry . . . . .	162
Books of Reference . . . . .	108	Commerce . . . . .	162
<b>CYPRUS . . . . .</b>	<b>109</b>	Shipping and Navigation . . . . .	164
<b>HONG KONG—</b>		Communications . . . . .	164
Constitution and Govern- ment . . . . .	111	Money, Weights, and Measures . . . . .	164
Area and Population . . . . .	111	Books of Reference . . . . .	165
Instruction . . . . .	112	<b>AFRICA—</b>	
Justice and Crime . . . . .	112	ASCENSION ISLAND . . . . .	166
Finance . . . . .	112	BASUTOLAND . . . . .	166
Defence . . . . .	113	BECHUANALAND . . . . .	167
Commerce and Shipping . . . . .	113	<b>CAPE OF GOOD HOPE—</b>	
Money and Credit . . . . .	114	Constitution and Govern- ment . . . . .	168
Money, Weights, and Measures . . . . .	114	Area and Population . . . . .	170
Books of Reference . . . . .	115	Religion . . . . .	171
<b>INDIA AND DEPENDENCIES—</b>		Instruction . . . . .	171
Government and Constitu- tion . . . . .	115	Justice and Crime . . . . .	172
Area and Population . . . . .	118	Pauperism . . . . .	172
Religion . . . . .	125	Finance . . . . .	172
Instruction . . . . .	127	Defence . . . . .	173
Justice and Crime . . . . .	128	Production and Industry . . . . .	173
Finance . . . . .	129	Commerce . . . . .	174
Defence . . . . .	133	Shipping and Navigation . . . . .	176
Production and Industry . . . . .	135	Internal Communications . . . . .	176
Commerce . . . . .	140	Banks . . . . .	176
Shipping and Navigation . . . . .	145	Money, Weights, and Measures . . . . .	177
Internal Communications . . . . .	147	Books of Reference . . . . .	177
Money and Credit . . . . .	150	<b>CENTRAL AFRICA (BRITISH)</b>	177
Money, Weights, and Measures . . . . .	151	<b>EAST AFRICA (BRITISH)</b>	180
Books of Reference . . . . .	152	<b>MAURITIUS—</b>	
<b>BALUCHISTAN . . . . .</b>	<b>154</b>	Constitution and Govern- ment . . . . .	182
<b>SIKKIM . . . . .</b>	<b>156</b>	Area and Population . . . . .	182
<b>ANDAMAN AND NICOBAR ISLANDS . . . . .</b>	<b>157</b>	Finance . . . . .	183
<b>LACCADIVE ISLANDS . . . . .</b>	<b>157</b>	Defence . . . . .	183
<b>KAMARAN ISLAND . . . . .</b>	<b>157</b>	Commerce . . . . .	183
<b>LABUAN . . . . .</b>	<b>158</b>	Shipping and Communica- tions . . . . .	184
		Money, Weights, and Measures . . . . .	184
		Dependencies . . . . .	184
		Books of Reference . . . . .	185

	PAGE		PAGE
<b>NATAL—</b>		<b>AMERICA—</b>	
Constitution and Govern- ment . . . . .	185	FALKLAND ISLANDS . . . . .	221
Area and Population . . . . .	186	GUIANA, BRITISH . . . . .	222
Instruction . . . . .	187	HONDURAS, BRITISH . . . . .	224
Finance . . . . .	187	NEWFOUNDLAND AND LAB- RADOR . . . . .	225
Defence . . . . .	187	Books of Reference of New- foundland and Labrador . . . . .	226
Industry . . . . .	188	WEST INDIES . . . . .	227
Commerce . . . . .	188	BAHAMAS . . . . .	227
Shipping and Communica- tions . . . . .	189	BARBADOS . . . . .	227
Books of Reference . . . . .	189	JAMAICA . . . . .	228
NIGER COAST PROTECTORATE	190	LEEWARD ISLANDS . . . . .	230
NIGER TERRITORIES . . . . .	191	TRINIDAD . . . . .	231
SOUTH AFRICA (BRITISH) . . . . .	193	WINDWARD ISLANDS . . . . .	231
ST. HELENA . . . . .	195	Statistics of West Indies . . . . .	232
TRISTAN DA CUNHA . . . . .	196	Books of Reference of West Indies . . . . .	234
<b>WEST AFRICAN COLONIES—</b>		<b>AUSTRALASIA AND OCEANIA—</b>	
THE GOLD COAST . . . . .	196	<b>FIJI—</b>	
LAGOS . . . . .	197	Constitution and Govern- ment . . . . .	235
GAMBIA . . . . .	197	Area and Population . . . . .	235
SIERRA LEONE . . . . .	197	Religion . . . . .	236
<b>ZANZIBAR—</b>		Instruction . . . . .	236
Sultan and Government . . . . .	199	Finance . . . . .	236
Area and Population . . . . .	200	Production and Industry . . . . .	236
Religion . . . . .	200	Commerce . . . . .	237
Justice . . . . .	200	Shipping and Communica- tions . . . . .	238
Finance . . . . .	201	Money, Weights, and Measures . . . . .	238
Army . . . . .	201	Books of Reference . . . . .	238
Commerce . . . . .	201	NEW GUINEA, BRITISH . . . . .	238
Books of Reference . . . . .	201	Books of Reference . . . . .	239
ZULULAND . . . . .	202	<b>NEW SOUTH WALES—</b>	
<b>AMERICA—</b>		Constitution and Govern- ment . . . . .	239
BERMUDAS . . . . .	203	Area and Population . . . . .	241
<b>CANADA—</b>		Religion . . . . .	242
Constitution and Govern- ment . . . . .	204	Instruction . . . . .	243
Area and Population . . . . .	207	Justice and Crime . . . . .	243
Religion . . . . .	208	Finance . . . . .	244
Instruction . . . . .	209	Defence . . . . .	245
Justice and Crime . . . . .	210	Production and Industry . . . . .	246
Finance . . . . .	210	Commerce . . . . .	249
Defence . . . . .	212		
Production and Industry . . . . .	213		
Commerce . . . . .	214		
Shipping and Navigation . . . . .	218		
Internal Communications . . . . .	218		
Money and Credit . . . . .	219		
Money, Weights, and Measures . . . . .	220		
Books of Reference . . . . .	220		

	PAGE		PAGE
NEW SOUTH WALES—		TASMANIA—	
Shipping and Navigation	251	Constitution and Govern- ment . . . . .	282
Internal Communications .	251	Area and Population . . . . .	283
Money and Credit . . . . .	252	Religion . . . . .	284
Books of Reference . . . . .	253	Instruction . . . . .	284
NEW ZEALAND—		Justice and Crime . . . . .	285
Government and Consti- tution . . . . .	254	Pauperism . . . . .	285
Area and Population . . . . .	256	Revenue and Expenditure .	285
Religion . . . . .	258	Defence . . . . .	286
Instruction . . . . .	258	Production and Industry .	286
Justice and Crime . . . . .	259	Commerce . . . . .	287
Pauperism . . . . .	259	Shipping and Navigation .	288
Finance . . . . .	260	Internal Communications .	288
Defence . . . . .	262	Books of Reference . . . . .	289
Production and Industry .	262	VICTORIA—	
Commerce . . . . .	264	Constitution and Govern- ment . . . . .	289
Shipping and Navigation .	267	Area and Population . . . . .	290
Internal Communications .	267	Religion . . . . .	292
Money and Credit . . . . .	268	Instruction . . . . .	292
Books of Reference . . . . .	269	Justice and Crime . . . . .	293
QUEENSLAND—		Finance . . . . .	294
Constitution and Govern- ment . . . . .	269	Defence . . . . .	295
Area and Population . . . . .	270	Production and Industry .	295
Religion . . . . .	271	Commerce . . . . .	296
Instruction . . . . .	272	Shipping and Navigation .	299
Justice and Crime . . . . .	272	Internal Communications .	299
Pauperism . . . . .	272	Money and Credit . . . . .	300
Finance . . . . .	272	Books of Reference . . . . .	300
Defence . . . . .	273	WESTERN AUSTRALIA—	
Production and Industry .	273	Constitution and Govern- ment . . . . .	301
Commerce . . . . .	274	Area and Population . . . . .	302
Shipping and Navigation .	275	Religion . . . . .	302
Internal Communications .	275	Instruction . . . . .	303
Banks . . . . .	275	Justice and Crime . . . . .	303
Books of Reference . . . . .	275	Pauperism . . . . .	303
SOUTH AUSTRALIA—		Finance . . . . .	304
Constitution and Govern- ment . . . . .	276	Defence . . . . .	304
Area and Population . . . . .	277	Production and Industry .	304
Religion . . . . .	278	Commerce . . . . .	305
Instruction . . . . .	278	Shipping and Communica- tions . . . . .	306
Justice and Crime . . . . .	278	Money and Credit . . . . .	306
Defence . . . . .	279	Books of Reference . . . . .	306
Finance . . . . .	279	Australian Defence . . . . .	307
Production and Industry .	279	Australasian Federation .	307
Commerce . . . . .	280	Books of Reference . . . . .	308
Shipping and Navigation .	281	PACIFIC ISLANDS . . . . . 309	
Communications . . . . .	281		
Banks . . . . .	282		
Books of Reference . . . . .	282		

## PART THE SECOND.

## FOREIGN COUNTRIES.

	PAGE		PAGE
AFGHANISTÁN . . . . .	313	AUSTRIA-HUNGARY—	
Trade . . . . .	315	Pauperism . . . . .	349
Books of Reference . . . . .	316	Finance . . . . .	349
AFRICA : CENTRAL IN- DEPENDENT STATES—		Defence . . . . .	354
CENTRAL SUDAN STATES—		Production and Industry . . . . .	358
BORNU . . . . .	317	Commerce . . . . .	363
WADAI — KANEM — BAG- IRMI . . . . .	318	Shipping and Navigation . . . . .	365
EGYPTIAN SUDAN . . . . .	319	Internal Communications . . . . .	366
DAHOMEY . . . . .	320	Money and Credit . . . . .	368
ARGENTINE REPUBLIC—		Money, Weights, and Measures . . . . .	370
Constitution and Govern- ment . . . . .	322	Diplomatic Representatives . . . . .	371
Area and Population . . . . .	323	BOSNIA AND HERZEGOVINA . . . . .	371
Religion . . . . .	324	Books of Reference . . . . .	372
Instruction . . . . .	324	BELGIUM—	
Justice . . . . .	324	Reigning King . . . . .	375
Finance . . . . .	325	Constitution and Govern- ment . . . . .	376
Defence . . . . .	326	Area and Population . . . . .	378
Production and Industry . . . . .	327	Religion . . . . .	380
Commerce . . . . .	327	Instruction . . . . .	380
Shipping and Navigation . . . . .	329	Justice and Crime . . . . .	382
Internal Communications . . . . .	330	Pauperism . . . . .	382
Money and Credit . . . . .	330	State Finance . . . . .	383
Money, Weights, and Measures . . . . .	331	Local Finance . . . . .	384
Diplomatic Representatives . . . . .	331	Defence . . . . .	384
Books of Reference . . . . .	331	Production and Industry . . . . .	385
AUSTRIA-HUNGARY—		Commerce . . . . .	387
Reigning Sovereign . . . . .	333	Shipping and Navigation . . . . .	390
Constitution and Govern- ment . . . . .	335	Internal Communications . . . . .	390
Area and Population . . . . .	340	Money and Credit . . . . .	391
Religion . . . . .	344	Money, Weights, and Measures . . . . .	392
Instruction . . . . .	346	Diplomatic Representatives . . . . .	392
Justice and Crime . . . . .	348	Books of Reference . . . . .	393
BHUTAN . . . . .	394	BOLIVIA—	
BOLIVIA—		Constitution and Govern- ment . . . . .	395
Constitution and Govern- ment . . . . .	395	Area and Population . . . . .	395

	PAGE		PAGE
<b>BOLIVIA—</b>		<b>CHINA—</b>	
Religion, Instruction, and Justice . . . . .	396	Reigning Emperor . . . . .	419
Finance . . . . .	396	Government . . . . .	419
Defence . . . . .	396	Area and Population . . . . .	420
Production and Industry . . . . .	396	Religion . . . . .	421
Commerce . . . . .	397	Instruction . . . . .	422
Communications . . . . .	397	Finance . . . . .	423
Money, Weights, and Measures . . . . .	397	Defence . . . . .	423
Consular Representative . . . . .	398	Production and Industry . . . . .	425
Books of Reference . . . . .	398	Commerce . . . . .	425
		Shipping and Navigation . . . . .	429
		Internal Communications . . . . .	429
		Money, Weights, and Measures . . . . .	430
<b>BRAZIL—</b>		Diplomatic Representatives . . . . .	430
Constitution and Government . . . . .	399	Books of Reference . . . . .	430
Area and Population . . . . .	401		
Religion . . . . .	402	<b>COLOMBIA—</b>	
Instruction . . . . .	402	Constitution and Government . . . . .	433
Justice and Crime . . . . .	402	Area and Population . . . . .	433
Finance . . . . .	403	Religion and Education . . . . .	434
Defence . . . . .	404	Finance . . . . .	434
Production and Industry . . . . .	405	Defence . . . . .	435
Commerce . . . . .	405	Production . . . . .	435
Shipping and Navigation . . . . .	406	Commerce . . . . .	435
Internal Communications . . . . .	407	Shipping and Communications . . . . .	436
Money and Credit . . . . .	407	Money and Credit . . . . .	437
Money, Weights, and Measures . . . . .	407	Money, Weights, and Measures . . . . .	437
Diplomatic and Consular Representatives . . . . .	408	Diplomatic and Commercial Representatives . . . . .	438
Books of Reference . . . . .	408	Books of Reference . . . . .	438
<b>CHILE—</b>		<b>CONGO INDEPENDENT STATE</b> . . . . .	439
Constitution and Government . . . . .	410	Books of Reference . . . . .	440
Area and Population . . . . .	411		
Religion . . . . .	412	<b>COREA—</b>	
Instruction . . . . .	412	Government . . . . .	441
Justice and Crime . . . . .	412	Area and Population . . . . .	441
Finance . . . . .	413	Religion and Instruction . . . . .	441
Defence . . . . .	414	Finance . . . . .	441
Industry . . . . .	414	Defence . . . . .	442
Commerce . . . . .	415	Production and Commerce . . . . .	442
Shipping and Navigation . . . . .	416	Money . . . . .	443
Communications . . . . .	417	Books of Reference . . . . .	443
Money and Credit . . . . .	417		
Money, Weights, and Measures . . . . .	417	<b>COSTA RICA—</b>	
Diplomatic and Consular Representatives . . . . .	418	Constitution and Government . . . . .	444
Books of Reference . . . . .	418	Area and Population . . . . .	444
		Religion and Instruction . . . . .	444
		Justice . . . . .	445
		Finance . . . . .	445

## PAGE

## PAGE

## COSTA RICA—

Defence . . . . .	445
Industry and Commerce . . . . .	445
Shipping and Communica- tions . . . . .	446
Money, Weights, and Measures . . . . .	446
Diplomatic and Consular Representatives . . . . .	447
Books of Reference . . . . .	447

## DENMARK—

Reigning King . . . . .	448
Constitution and Govern- ment . . . . .	449
Area and Population . . . . .	451
Religion . . . . .	452
Instruction . . . . .	452
Justice and Crime . . . . .	453
Finance and Defence . . . . .	453
Production and Industry . . . . .	456
Commerce . . . . .	456
Shipping and Navigation . . . . .	458
Internal Communications . . . . .	458
Money and Credit . . . . .	458
Money, Weights, and Measures . . . . .	459
Diplomatic and Consular Representatives . . . . .	459
Colonies . . . . .	459
Books of Reference . . . . .	460

## ECUADOR—

Constitution and Govern- ment . . . . .	461
Area and Population . . . . .	461
Religion and Instruction . . . . .	462
Justice and Crime . . . . .	462
Finance . . . . .	462
Defence . . . . .	463
Commerce . . . . .	463
Shipping and Navigation . . . . .	464
Internal Communications . . . . .	464
Money and Credit . . . . .	465
Money, Weights, and Measures . . . . .	466
Diplomatic and Consular Representatives . . . . .	466
Books of Reference . . . . .	466

## FRANCE—

Constitution and Govern- ment . . . . .	467
--------------------------------------------	-----

## FRANCE—

Area and Population . . . . .	471
Religion . . . . .	476
Instruction . . . . .	477
Justice and Crime . . . . .	478
Pauperism . . . . .	479
Finance . . . . .	480
Defence . . . . .	484
Production and Industry . . . . .	492
Commerce . . . . .	496
Shipping and Navigation . . . . .	499
Internal Communications . . . . .	500
Money and Credit . . . . .	502
Money, Weights, and Measures . . . . .	503
Diplomatic Representatives . . . . .	503
Books of Reference . . . . .	504

## ANDORRA . . . . . 505

COLONIES AND DEPEND-  
ENCIES . . . . . 506

## ASIA—

FRENCH INDIA . . . . .	508
FRENCH INDO-CHINA . . . . .	508
ANNAM . . . . .	508
CAMBODIA . . . . .	509
COCHIN-CHINA . . . . .	509
TONQUIN . . . . .	510

## AFRICA—

## ALGERIA—

Government . . . . .	510
Area and Population . . . . .	511
Religion and Instruction . . . . .	511
Crime . . . . .	511
Finance . . . . .	512
Defence . . . . .	512
Industry . . . . .	512
Commerce . . . . .	513
Shipping and Communica- tions . . . . .	514
Money, Weights, and Measures . . . . .	514
Books of Reference . . . . .	514

## FRENCH CONGO AND GABUN 515

## GOLD COAST TERRITORIES 515

## MADAGASCAR—

Reigning Sovereign . . . . .	516
Government . . . . .	516

	PAGE		PAGE
<b>MADAGASCAR—</b>		<b>GERMAN EMPIRE—</b>	
Area and Population . . . . .	516	Constitution and Govern- ment . . . . .	531
Religion and Education . . . . .	517	Area and Population . . . . .	534
Justice . . . . .	517	Religion . . . . .	538
Finance . . . . .	518	Instruction . . . . .	539
Defence . . . . .	518	Justice and Crime . . . . .	541
Production and Industry . . . . .	518	Pauperism . . . . .	542
Commerce . . . . .	519	Finance . . . . .	543
Shipping and Communica- tions . . . . .	519	Defence . . . . .	545
Money and Banks . . . . .	519	Production and Industry . . . . .	552
Consular and other Re- presentatives . . . . .	519	Commerce . . . . .	556
Books of Reference . . . . .	520	Shipping and Navigation . . . . .	560
<b>DIÉGO-SUAREZ--NOSSI-BÉ—</b>		Internal Communications . . . . .	562
ST. MARIE . . . . .	520	Money and Credit . . . . .	564
<b>MAYOTTE AND THE COMORO</b>		Money, Weights, and Measures . . . . .	565
<b>ISLANDS . . . . .</b>	521	Diplomatic Representatives . . . . .	565
<b>RÉUNION . . . . .</b>	521	Books of Reference . . . . .	566
<b>OBOCK . . . . .</b>	521	<b>FOREIGN DEPENDENCIES . . . . .</b>	568
<b>SENEGAL, FRENCH SOUDAN,</b>		TOGOLAND . . . . .	568
<b>FRENCH GUINEA, AND</b>		CAMEROONS . . . . .	569
<b>DEPENDENCIES . . . . .</b>	522	<b>GERMAN SOUTH - WEST</b>	
<b>TUNIS—</b>		AFRICA . . . . .	569
Bey . . . . .	523	<b>GERMAN EAST AFRICA . . . . .</b>	570
Government . . . . .	523	<b>IN THE WESTERN PACIFIC . . . . .</b>	571
Area and Population . . . . .	524	<b>STATES OF GERMANY—</b>	
Finance . . . . .	524	<b>ALSACE-LORRAINE—</b>	
Industry . . . . .	525	Constitution . . . . .	572
Commerce . . . . .	525	Area and Population . . . . .	573
Money, Weights, and Measures . . . . .	526	Religion, Instruction, Jus- tice and Crime, Poor- relief . . . . .	573
Books of Reference . . . . .	526	Finance . . . . .	574
<b>AMERICA—</b>		Production and Industry . . . . .	574
<b>GUADELOUPE AND DEPEND-</b>		Books of Reference . . . . .	574
<b>ENCIES . . . . .</b>	527	<b>ANHALT—</b>	
<b>GUIANA . . . . .</b>	527	Reigning Duke . . . . .	574
<b>MARTINIQUE . . . . .</b>	527	Constitution . . . . .	575
<b>ST. PIERRE AND MIQUELON</b>	528	Area and Population . . . . .	575
<b>AUSTRALASIA AND OCEANIA—</b>		Finance . . . . .	576
<b>NEW CALEDONIA AND DE-</b>		<b>BADEN—</b>	
<b>PENDENCIES . . . . .</b>	528	Reigning Grand-Duke . . . . .	576
<b>SOCIETY ISLANDS AND</b>		Constitution . . . . .	577
<b>NEIGHBOURING GROUPS . . . . .</b>	528	Area and Population . . . . .	577
<b>GERMAN EMPIRE—</b>		Religion and Instruction . . . . .	578
Reigning Emperor and King . . . . .	530	Finance . . . . .	579
		Production and Industry . . . . .	579
		Communications . . . . .	580



	PAGE		PAGE
<b>BAVARIA—</b>		<b>LÜBECK—</b>	
Reigning King . . . . .	580	Constitution . . . . .	597
Regent . . . . .	580	Area and Population . . . . .	598
Constitution and Govern- ment . . . . .	581	Religion, Instruction, Jus- tice, and Pauperism . . . . .	598
Area and Population . . . . .	582	Finance . . . . .	598
Religion . . . . .	584	Commerce and Shipping . . . . .	598
Instruction . . . . .	584		
Justice, Crime, and Pau- perism . . . . .	584	<b>MECKLENBURG-SCHWERIN—</b>	
Finance . . . . .	585	Reigning Grand-Duke . . . . .	599
Army . . . . .	585	Constitution . . . . .	600
Production and Industry . . . . .	586	Area and Population . . . . .	600
		Religion and Instruction . . . . .	601
		Justice, Crime, and Pau- perism . . . . .	601
		Finance . . . . .	601
		Production . . . . .	601
<b>BREMEN—</b>			
Constitution . . . . .	587	<b>MECKLENBURG-STRELITZ—</b>	
Area and Population . . . . .	587	Reigning Grand-Duke . . . . .	602
Religion, Justice, and Crime . . . . .	587	Constitution and Finance . . . . .	602
Finance . . . . .	588	Area, Population, &c. . . . .	602
Commerce and Shipping . . . . .	588		
<b>BRUNSWICK—</b>			
Regent . . . . .	588	<b>OLDENBURG—</b>	
Constitution . . . . .	589	Reigning Grand-Duke . . . . .	603
Area and Population . . . . .	589	Constitution and Revenue . . . . .	604
Finance . . . . .	590	Area and Population . . . . .	604
Production and Industry . . . . .	590	Religion, Instruction, and Justice . . . . .	605
		Production . . . . .	605
<b>HAMBURG—</b>			
Constitution . . . . .	590	<b>PRUSSIA—</b>	
Area and Population . . . . .	591	Reigning King . . . . .	606
Religion, Justice, Crime, and Agriculture . . . . .	592	Constitution and Govern- ment . . . . .	608
Finance . . . . .	592	Area and Population . . . . .	612
Commerce and Shipping . . . . .	592	Religion . . . . .	615
		Instruction . . . . .	615
		Justice, Crime, and Pau- perism . . . . .	617
		Finance . . . . .	617
		Army . . . . .	619
		Production and Industry . . . . .	620
		Commerce . . . . .	621
		Internal Communications . . . . .	621
		Books of Reference . . . . .	621
<b>HESSE—</b>			
Reigning Grand-Duke . . . . .	594	<b>REUSS, ELDER BRANCH . . . . .</b>	622
Constitution . . . . .	595	<b>REUSS, YOUNGER BRANCH . . . . .</b>	622
Area and Population . . . . .	595	<b>SAXE-ALTENBURG . . . . .</b>	624
Religion and Instruction . . . . .	595	<b>SAXE-COBURG AND GOTHA . . . . .</b>	625
Finance . . . . .	596	<b>SAXE-MEININGEN . . . . .</b>	627
Production and Industry . . . . .	596		
<b>LIPPE—</b>			
Reigning Prince . . . . .	596		
Constitution . . . . .	596		
Area and Population . . . . .	597		
Finance and Industry . . . . .	597		

	PAGE		PAGE
<b>SAXE-WEIMAR—</b>		<b>GREECE—</b>	
Reigning Grand-Duke . . . . .	628	Constitution and Govern- ment . . . . .	647
Constitution and Revenue . . . . .	629	Area and Population . . . . .	647
Area and Population . . . . .	629	Religion . . . . .	649
Religion, Instruction, Jus- tice, and Crime . . . . .	630	Instruction . . . . .	649
Production . . . . .	630	Finance . . . . .	650
<b>SAXONY—</b>		Defence . . . . .	652
Reigning King . . . . .	630	Production and Industry . . . . .	653
Constitution and Govern- ment . . . . .	631	Commerce . . . . .	654
Area and Population . . . . .	632	Navigation and Shipping . . . . .	655
Religion . . . . .	633	Internal Communications . . . . .	655
Instruction . . . . .	634	Money and Credit . . . . .	655
Justice, Crime, and Pau- perism . . . . .	634	Money, Weights, and Measures . . . . .	656
Finance . . . . .	634	Diplomatic Representatives . . . . .	656
Production and Industry . . . . .	635	Books of Reference . . . . .	657
Communications . . . . .	636	<b>GUATEMALA—</b>	
Books of Reference . . . . .	636	Constitution and Govern- ment . . . . .	658
<b>SCHAUMBURG-LIPPE—</b>		Area and Population . . . . .	658
Reigning Prince . . . . .	636	Religion . . . . .	658
Constitution and Finance . . . . .	636	Instruction . . . . .	658
Area and Population . . . . .	636	Crime . . . . .	658
<b>SCHWARZBURG - RUDOL - STADT . . . . .</b>		Finance . . . . .	659
	637	Defence . . . . .	659
<b>SCHWARZBURG - SONDERS - HAUSEN . . . . .</b>		Production and Industry . . . . .	659
	638	Commerce . . . . .	659
<b>WALDECK . . . . .</b>		Shipping and Communica- tions . . . . .	660
	636	Money, Weights, and Measures . . . . .	660
<b>WÜRTEMBERG—</b>		Diplomatic and Consular Representatives . . . . .	661
Reigning King . . . . .	640	Books of Reference . . . . .	661
Constitution and Govern- ment . . . . .	640	<b>HAITI—</b>	
Area and Population . . . . .	641	Constitution and Govern- ment . . . . .	662
Religion . . . . .	642	Area and Population . . . . .	662
Instruction . . . . .	643	Religion and Instruction . . . . .	662
Crime and Pauperism . . . . .	643	Finance . . . . .	662
Finance . . . . .	643	Defence . . . . .	663
Army . . . . .	644	Commerce and Communica- tions . . . . .	663
Industry . . . . .	644	Money, Weights, and Measures . . . . .	664
Books of Reference . . . . .	645	Diplomatic and Consular Representatives . . . . .	664
<b>GREECE—</b>		Books of Reference . . . . .	664
Reigning King . . . . .	645		

	PAGE		PAGE
<b>HAWAII—</b>		<b>JAPAN—</b>	
Constitution and Govern- ment . . . . .	665	Reigning Sovereign . . . . .	719
Area and Population . . . . .	665	Constitution and Govern- ment . . . . .	719
Religion and Instruction . . . . .	666	Local Government . . . . .	721
Finance . . . . .	666	Area and Population . . . . .	721
Commerce, Shipping, and Communications . . . . .	667	Religion . . . . .	723
Currency . . . . .	667	Instruction . . . . .	723
Diplomatic and Consular Representatives . . . . .	667	Justice and Crime . . . . .	723
Books of Reference . . . . .	668	Pauperism . . . . .	724
		Finance . . . . .	724
		Defence . . . . .	725
		Production and Industry . . . . .	727
		Commerce . . . . .	728
		Shipping and Navigation . . . . .	730
		Internal Communications . . . . .	730
		Money and Credit . . . . .	731
		Money, Weights, and Measures . . . . .	732
		Diplomatic Representatives . . . . .	732
		Books of Reference . . . . .	735
<b>HONDURAS—</b>		<b>LIBERIA—</b>	
Constitution and Govern- ment . . . . .	669	Constitution and Govern- ment . . . . .	734
Area and Population . . . . .	669	Area and Population . . . . .	734
Instruction . . . . .	669	Finance . . . . .	734
Finance . . . . .	669	Commerce . . . . .	734
Production and Commerce Communications . . . . .	669 670	Money, Weights, and Measures . . . . .	735
Money, Weights, and Measures . . . . .	670	Diplomatic and Consular Representatives . . . . .	735
Diplomatic and Consular Representatives . . . . .	670	Books of Reference . . . . .	735
Books of Reference . . . . .	671		
		<b>LUXEMBURG . . . . . 736</b>	
		<b>MEXICO—</b>	
		Constitution and Govern- ment . . . . .	737
		Area and Population . . . . .	738
		Religion and Instruction . . . . .	739
		Justice . . . . .	740
		State Finance . . . . .	740
		Local Finance . . . . .	741
		Defence . . . . .	741
		Production and Industry . . . . .	742
		Commerce . . . . .	743
		Shipping and Communica- tions . . . . .	744
		Money and Credit . . . . .	744
			b
<b>ITALY—</b>			
Reigning King . . . . .	672		
Constitution and Govern- ment . . . . .	673		
Area and Population . . . . .	676		
Religion . . . . .	683		
Instruction . . . . .	690		
Justice and Crime . . . . .	692		
Pauperism . . . . .	693		
Finance . . . . .	694		
Defence . . . . .	699		
Production and Industry . . . . .	705		
Commerce . . . . .	708		
Navigation and Shipping . . . . .	710		
Internal Communications . . . . .	711		
Money and Credit . . . . .	712		
Money, Weights, and Measures . . . . .	713		
Diplomatic Representatives . . . . .	713		
<b>FOREIGN DEPENDENCIES . . . . .</b>	<b>714</b>		
<b>ABYSSINIA AND SHOA . . . . .</b>	<b>715</b>		
Books of Reference . . . . .	716		

	PAGE		PAGE
<b>MEXICO—</b>		<b>NETHERLANDS (THE)—</b>	
Money, Weights, and Measures . . . . .	745	Finance . . . . .	768
Diplomatic and Consular Representatives . . . . .	746	Defence . . . . .	770
Books of Reference . . . . .	746	Production and Industry . . . . .	772
<b>MONACO . . . . .</b>	<b>748</b>	Commerce . . . . .	774
<b>MONTENEGRO—</b>		Shipping and Navigation . . . . .	777
Reigning Prince . . . . .	749	Internal Communications . . . . .	778
Government . . . . .	749	Money and Credit . . . . .	780
Area and Population . . . . .	750	Money, Weights, and Measures . . . . .	781
Religion . . . . .	750	Diplomatic and Consular Representatives . . . . .	782
Instruction . . . . .	751	<b>COLONIES . . . . .</b>	<b>782</b>
Justice, Crime, and Pauperism . . . . .	751	<b>DUTCH EAST INDIES—</b>	
Finance . . . . .	751	Government and Constitution . . . . .	782
Defence . . . . .	751	Area and Population . . . . .	783
Production and Industry . . . . .	751	Religion . . . . .	785
Commerce . . . . .	752	Instruction . . . . .	785
Communications . . . . .	752	Justice and Crime . . . . .	786
Money . . . . .	752	Finance . . . . .	786
Books of Reference . . . . .	752	Defence . . . . .	787
<b>MOROCCO—</b>		Production and Industry . . . . .	788
Reigning Sultan . . . . .	753	Commerce . . . . .	790
Government . . . . .	753	Shipping and Communications . . . . .	791
Area and Population . . . . .	753	Money and Credit . . . . .	791
Defence . . . . .	754	Money, Weights, and Measures . . . . .	791
Commerce . . . . .	754	Consular Representatives . . . . .	791
Money, Weights, and Measures . . . . .	755	<b>DUTCH WEST INDIES—</b>	
Diplomatic and Consular Representatives . . . . .	756	DUTCH GUIANA, OR SURINAM . . . . .	792
Books of Reference . . . . .	756	CURACAO . . . . .	793
<b>NEPAL . . . . .</b>	<b>757</b>	Books of Reference . . . . .	794
<b>NETHERLANDS (THE)—</b>		<b>NICARAGUA—</b>	
Reigning Sovereign . . . . .	759	Constitution and Government . . . . .	797
Government and Constitution . . . . .	760	Area and Population . . . . .	797
Area and Population . . . . .	763	Instruction . . . . .	797
Religion . . . . .	765	Finance . . . . .	797
Instruction . . . . .	766	Industry and Commerce . . . . .	798
Justice and Crime . . . . .	767	Communications . . . . .	798
Pauperism . . . . .	767	Money, Weights, and Measures . . . . .	798
		Diplomatic and Consular Representatives . . . . .	799
		Books of Reference . . . . .	799

	PAGE		PAGE
OMAN . . . . .	800	PERU—	
ORANGE FREE STATE—		Constitution and Govern- ment . . . . .	819
Constitution and Govern- ment . . . . .	801	Area and Population . . . . .	819
Area and Population . . . . .	801	Religion . . . . .	820
Religion . . . . .	802	Instruction . . . . .	820
Instruction . . . . .	802	Finance . . . . .	820
Justice and Crime . . . . .	802	Defence . . . . .	822
Finance . . . . .	802	Industry . . . . .	822
Defence . . . . .	803	Commerce . . . . .	823
Production and Industry . . . . .	803	Shipping and Navigation . . . . .	824
Commerce . . . . .	803	Internal Communications . . . . .	824
Communications . . . . .	804	Money, Weights, and Measures . . . . .	825
Books of Reference . . . . .	804	Diplomatic Representatives . . . . .	825
PARAGUAY—		Books of Reference . . . . .	826
Constitution and Govern- ment . . . . .	805	PORTUGAL—	
Area and Population . . . . .	805	Reigning King . . . . .	827
Religion, Instruction, and Justice . . . . .	806	Constitution and Govern- ment . . . . .	828
Finance . . . . .	806	Area and Population . . . . .	830
Defence . . . . .	806	Religion . . . . .	832
Production and Industry . . . . .	806	Instruction . . . . .	833
Commerce . . . . .	807	Justice and Crime . . . . .	833
Communications . . . . .	807	Finance . . . . .	833
Money and Credit . . . . .	807	Defence . . . . .	835
Money, Weights, and Measures . . . . .	808	Production and Industry . . . . .	836
Diplomatic and Consular Representatives . . . . .	808	Commerce . . . . .	837
Books of Reference . . . . .	808	Shipping and Navigation . . . . .	839
PERSIA—		Internal Communications . . . . .	839
Reigning Shah . . . . .	809	Money and Credit . . . . .	840
Government . . . . .	810	Money, Weights, and Measures . . . . .	840
Area and Population . . . . .	811	Diplomatic Representatives . . . . .	840
Religion . . . . .	811	Dependencies . . . . .	841
Instruction . . . . .	812	Books of Reference . . . . .	843
Justice . . . . .	812	ROUMANIA—	
Finance . . . . .	812	Reigning King . . . . .	844
Defence . . . . .	813	Constitution and Govern- ment . . . . .	844
Production and Industry . . . . .	813	Area and Population . . . . .	845
Commerce . . . . .	813	Religion . . . . .	846
Money and Credit . . . . .	815	Instruction . . . . .	846
Communications . . . . .	816	Finance . . . . .	846
Money, Weights, and Measures . . . . .	816	Defence . . . . .	847
Diplomatic Representatives . . . . .	817	Production and Industry . . . . .	847
Books of Reference . . . . .	818	Commerce . . . . .	848
		Shipping and Communi- cations . . . . .	849

	PAGE		PAGE
SWITZERLAND—		EGYPT—	
Money, Weights, and Measures . . . . .	1009	Defence . . . . .	1046
Diplomatic and Consular Representatives . . . . .	1009	Production and Industry . . . . .	1046
Books of Reference . . . . .	1009	Commerce . . . . .	1048
TONGA . . . . .	1010	Shipping and Navigation . . . . .	1051
TURKEY—		Suez Canal . . . . .	1052
Reigning Sultan . . . . .	1011	Internal Communications . . . . .	1054
Constitution and Government . . . . .	1013	Money, Weights, and Measures . . . . .	1054
Area and Population . . . . .	1015	Diplomatic and Consular Representatives . . . . .	1055
Religion and Education . . . . .	1018	Books of Reference . . . . .	1055
Finance . . . . .	1019	UNITED STATES—	
Defence . . . . .	1022	Constitution and Government . . . . .	1058
Production and Industry . . . . .	1026	Area and Population . . . . .	1065
Commerce . . . . .	1027	Religion . . . . .	1071
Shipping and Navigation . . . . .	1030	Instruction . . . . .	1072
Internal Communications . . . . .	1030	Justice and Crime . . . . .	1075
Money, Weights, and Measures . . . . .	1031	Pauperism . . . . .	1076
TRIBUTARY STATES—		Finance . . . . .	1076
BULGARIA . . . . .	1032	Defence . . . . .	1080
Constitution and Government . . . . .	1032	Production and Industry . . . . .	1084
Area and Population . . . . .	1033	Commerce . . . . .	1090
Instruction . . . . .	1034	Shipping and Navigation . . . . .	1095
Finance . . . . .	1034	Internal Communications . . . . .	1096
Defence . . . . .	1034	Money and Credit . . . . .	1097
Production and Industry . . . . .	1035	Money, Weights, and Measures . . . . .	1099
Commerce . . . . .	1035	Diplomatic Representatives . . . . .	1099
Shipping and Communications . . . . .	1035	Books of Reference . . . . .	1100
Money and Credit . . . . .	1036	URUGUAY—	
SAMOS . . . . .	1036	Constitution and Government . . . . .	1102
Diplomatic and Consular Representatives . . . . .	1036	Area and Population . . . . .	1103
Books of Reference . . . . .	1037	Religion . . . . .	1104
EGYPT—		Instruction . . . . .	1104
Reigning Khedive . . . . .	1038	Finance . . . . .	1104
Government and Constitution . . . . .	1039	Defence . . . . .	1105
Area and Population . . . . .	1040	Production and Industry . . . . .	1105
Religion and Instruction . . . . .	1042	Commerce . . . . .	1105
Justice and Crime . . . . .	1042	Shipping and Communications . . . . .	1107
Finance . . . . .	1043	Money and Credit . . . . .	1107
		Money, Weights, and Measures . . . . .	1108
		Diplomatic and Consular Representatives . . . . .	1108
		Books of Reference . . . . .	1108

VENEZUELA—	PAGE	VENEZUELA—	PAGE
Constitution and Govern- ment . . . . .	1109	Commerce . . . . .	1112
Area and Population . . . . .	1109	Shipping and Communica- tions . . . . .	1113
Religion and Instruction . . . . .	1110	Money, Weights, and Measures . . . . .	1114
Justice and Crime . . . . .	1111	Diplomatic and Consular Representatives . . . . .	1114
Finance . . . . .	1111	Books of Reference . . . . .	1114
Defence . . . . .	1111		
Production and Industry . . . . .	1112		
INDEX . . . . .			1113

## INTRODUCTORY TABLES

I.—THE VALUE OF SILVER.—The following table, from statistics prepared by Messrs. Pixley and Abell, shows, for the last thirty-seven years, the yearly average price of silver per standard ounce, the nominal value of the silver coined in England, the amount of bills and telegraphic transfers drawn in England on Indian Governments, the value of the exports of silver to the East, and of the imports into England of bar and coined silver, the yearly average Bank rate of discount, and the principal political, commercial, and financial events affecting the value of silver:—

Year	Yearly average	Silver coined in England	See Footnote. <sup>2</sup>	Export of Silver to the East. <sup>1</sup>	Imports of Silver Bars and Coin	Average Bank Rate of Discount	Remarks
1858	Pence 61 <sup>1</sup> / <sub>16</sub>	£ 445,896	£ 628,499	£ 4,753,933	£ 6,700,000	3 <sup>1</sup> / <sub>4</sub>	End of Indian Mutiny
1859	62 <sup>1</sup> / <sub>16</sub>	647,064	25,901	14,828,521	14,772,450	2 <sup>3</sup> / <sub>4</sub>	Loan of 5,216,528 <i>l.</i> to East India Company
1860	61 <sup>1</sup> / <sub>16</sub>	218,403	4,694	8,478,739	10,394,000	4 <sup>1</sup> / <sub>4</sub>	Commercial Treaty with France
1861	60 <sup>1</sup> / <sub>16</sub>	209,484	797	6,824,807	6,590,000	5 <sup>1</sup> / <sub>4</sub>	Financial depression in India. American Civil War begins
1862	61 <sup>1</sup> / <sub>16</sub>	148,518	1,193,729	10,091,460	11,753,000	2 <sup>1</sup> / <sub>4</sub>	Great distress in cotton manufacturing districts. Panic
1863	61 <sup>3</sup> / <sub>16</sub>	161,172	6,641,576	8,263,011	10,888,130	4 <sup>1</sup> / <sub>2</sub>	Large exports of gold to the Continent to pay for silver
1864	61 <sup>3</sup> / <sub>16</sub>	535,194	8,979,521	6,254,004	10,827,300	7 <sup>1</sup> / <sub>4</sub>	13,000,000 <i>l.</i> silver exported from France
1865	61 <sup>1</sup> / <sub>16</sub>	501,732	6,789,473	3,598,058	6,980,000	4 <sup>1</sup> / <sub>2</sub>	Close of American War
1866	61 <sup>1</sup> / <sub>16</sub>	493,416	6,998,899	2,365,626	10,778,000	7	Commercial and Joint Stock Companies panic. Bank declined to sell bar gold
1867	60 <sup>9</sup> / <sub>16</sub>	193,842	5,613,746	642,912	8,020,000	2 <sup>1</sup> / <sub>2</sub>	Great decline in export of silver, only 2,500,000 <i>l.</i> sent from France
1868	60 <sup>1</sup> / <sub>2</sub>	301,356	4,137,285	1,635,642	7,716,420	2 <sup>1</sup> / <sub>4</sub>	Abyssinian Expedition
1869	60 <sup>1</sup> / <sub>16</sub>	76,428	3,705,741	2,362,943	6,730,000	3 <sup>1</sup> / <sub>4</sub>	Distress in Lancashire
1870	60 <sup>1</sup> / <sub>16</sub>	336,798	6,980,122	1,579,473	10,649,000	3	Franco-Prussian War. Panics
1871	60 <sup>1</sup> / <sub>2</sub>	701,514	8,443,509	3,712,473	16,520,000	3 <sup>1</sup> / <sub>4</sub>	8,500,000 <i>l.</i> gold exported to Hanse Towns. Peace between France and Germany
1872	60 <sup>5</sup> / <sub>16</sub>	1,243,836	10,310,339	5,654,451	11,140,500	4 <sup>1</sup> / <sub>2</sub>	8,050,000 <i>l.</i> gold exported to Hanse Towns. Commencement of decline in price of silver
1873	59 <sup>1</sup> / <sub>4</sub>	1,081,674	13,939,095	2,497,576	12,302,220	5 <sup>3</sup> / <sub>4</sub>	10,000,000 <i>l.</i> gold exported to Hanse Towns. German Government announces the demonetisation of silver
1874	58 <sup>5</sup> / <sub>16</sub>	890,604	13,285,678	7,092,726	11,797,990	3 <sup>3</sup> / <sub>4</sub>	Enormous increase of bullion in Bank of France, 22,000,000 <i>l.</i> , mostly gold
1875	56 <sup>3</sup> / <sub>4</sub>	594,001	10,841,615	3,714,404	9,506,757	3 <sup>1</sup> / <sub>4</sub>	Heavy commercial failures. Large export of gold to Germany. Continued decline in price of silver



1876	52½	222,354	11,513,233	10,914,407	13,585,608	2½	Remarkable fluctuations in rates of Indian exchanges and bar silver—the latter having touched the lowest price on record
1877	54½	420,918	8,637,530	17,007,458	21,625,652	2½	Great famine in India. Russo-Turkish War
1878	52½	613,998	13,978,584	5,842,577	11,453,105	3½	General depression in trade. Large bank failures. Russo-Turkish War ended
1879	51½	549,054	14,705,700	7,034,967	10,520,012	2½	Suspension of sales by German Government. Marked diminution in production of Californian mines
1880	52½	761,508	15,482,092	6,135,520	6,827,471	2½	Consols touched 100¼. Reported existence of large quantities of gold in South India
1881	51½	997,128	16,273,677	4,288,009	6,902,210	3½	Meeting of Conference in Paris respecting Bimetallism, which adjourned without coming to any practical conclusion
1882	51½	209,880	12,053,665	6,423,270	9,243,375	4½	War with Egypt
1883	50½	1,274,328	18,909,000	7,125,454	9,468,002	3½	Completion of Italian order for gold
1884	50½	658,548	16,966,112	8,418,522	9,546,496	2½	War in Egypt, Income Tax increased. Franco-Chinese complications
1885	48½	720,918	11,018,000	8,010,925	9,377,601	2½	Suspension of the coinage of the Bland dollar, recommended by the President of the United States
1886	45½	417,384	11,791,000	5,846,222	8,166,249	3	Great depression in trade
1887	44½	861,498	15,394,000	6,327,113	7,471,639	3½	Depression in trade continued, assisted by war rumours
1888	42½	756,558	13,964,700	7,807,400	7,825,380	3½	Deaths of two German Emperors successively caused great uneasiness. War rumours subsided later. Stringency of money earlier than usual towards close of the year
1889	42½	2,224,926	15,658,000	8,575,713	9,184,940	3½	Home coinage of silver unusually large
1890	47½	1,712,161	15,473,323	8,456,709	10,385,659	4½	Serious panics in London and New York. Extension of silver legislation in the States
1891	45½	1,057,336	16,891,000	7,082,719	9,316,200	3½	Chilian Revolution. Failure of U.S. legislation to maintain silver prices. Large Continental orders
1892	39½	778,932	16,307,000	11,881,885	10,746,382	2½	Further depression in silver. Inoperative Monetary Conference at Brussels
1893	35½	1,088,406	10,640,000	11,649,411	11,913,395	3	Indian Mints closed to free coinage of silver. Repeal of Sherman Act. Australian bank crisis
1894	28½	822,492	15,335,000	10,041,162	11,005,507	2½	Duty of 5% imposed on silver entering India. War between China and Japan

<sup>1</sup> The Totals up to the year 1875 include exports from Southampton only—from 1876, shipments *en* Southampton, Venice, and Marseilles.

<sup>2</sup> The above column represents the Amount of Bills and Telegraphic Transfers Drawn in England on Indian Governments.

## II.—THE WHEAT CROPS OF THE WORLD.

The *Bulletin des Halles* gives the following estimates of the wheat crops of the world in the year 1894, and of the probable imports and exports in the year 1894-95 :—

Countries	Production	Imports	Exports
	Bushels	Bushels	Bushels
<b>EUROPE—</b>			
France . . . . .	344,025,000	17,875,000	—
Russia . . . . .	297,000,000	—	94,875,000
Hungary . . . . .	136,125,000	—	42,625,000
Austria . . . . .	45,375,000	35,750,000	—
Germany . . . . .	116,875,000	31,625,000	—
Italy . . . . .	116,600,000	26,125,000	—
Spain . . . . .	93,225,000	6,325,000	—
Great Britain . . . . .	57,750,000	173,250,000	—
Roumania . . . . .	42,075,000	—	15,125,000
Bulgaria . . . . .	30,250,000	—	5,500,000
Turkey in Europe . . . . .	28,050,000	—	4,400,000
Belgium . . . . .	21,450,000	22,550,000	—
Roumelia . . . . .	10,725,000	—	3,300,000
Portugal . . . . .	9,075,000	1,650,000	—
Netherlands . . . . .	8,525,000	9,625,000	—
Servia . . . . .	6,325,000	—	3,025,000
Greece . . . . .	6,050,000	4,675,000	—
Denmark . . . . .	4,125,000	2,200,000	—
Sweden . . . . .	3,850,000	3,575,000	—
Switzerland . . . . .	3,575,000	9,625,000	—
Various . . . . .	2,475,000	1,375,000	—
<b>Total Europe . . . . .</b>	<b>1,383,525,000</b>	<b>346,225,000</b>	<b>168,850,000</b>
<b>AMERICA—</b>			
United States . . . . .	453,750,000	—	159,500,000
Canada . . . . .	33,000,000	—	6,325,000
Argentina . . . . .	57,750,000	—	45,375,000
Chile . . . . .	43,450,000	—	4,950,000
Brazil, &c. . . . .	—	13,750,000	—
<b>Total America . . . . .</b>	<b>587,950,000</b>	<b>13,750,000</b>	<b>216,150,000</b>
<b>ASIA—</b>			
India . . . . .	237,875,000	—	8,250,000
Asia Minor . . . . .	33,000,000	—	4,675,000
Persia . . . . .	19,250,000	—	2,475,000
Syria . . . . .	10,725,000	—	4,125,000
China, &c. . . . .	—	16,500,000	—
<b>Total Asia . . . . .</b>	<b>300,850,000</b>	<b>16,500,000</b>	<b>19,525,000</b>
<b>AFRICA—</b>			
Algeria . . . . .	30,250,000	—	6,325,000
Egypt . . . . .	11,275,000	—	1,375,000
Tunis . . . . .	6,325,000	—	2,062,500
Cape Colony . . . . .	3,300,000	3,575,000	—
<b>Total Africa . . . . .</b>	<b>51,150,000</b>	<b>3,575,000</b>	<b>9,762,500</b>
<b>AUSTRALIA . . . . .</b>	<b>39,875,000</b>	<b>—</b>	<b>11,000,000</b>
<b>Grand Total . . . . .</b>	<b>2,363,350,000</b>	<b>380,050,000</b>	<b>425,287,500</b>

## III.—THE NAVIES OF THE WORLD.

The great importance of being able to establish a comparison between the navies of the different powers, has led to an attempt being made in this volume to devise a system of classification of warships which should make such a comparison possible. At the present time almost every country has a classification of its own; and therefore the estimates of naval strength inserted in the several sections of this volume are given irrespective of formal systems, and are based upon one uniform plan. Great simplicity has been aimed at. The results in regard to all but the least important navies are here brought together. In classifying battleships, three factors have been taken into consideration—displacement, age, and speed—displacement because it implies offensive or defensive power, age as indicating efficiency, and speed as determining mobility. No vessel is admitted as a battleship which has less than 11 knots sea speed, such speed being considered as 2 knots less than the nominal speed. First-class battleships are of 6,000 tons at least, and are not more than 12 years old (1894), the date of launch being taken; second-class battleships (not more than 20 years old), and third-class battleships (not more than 27 years old) are admitted down to 5,000 tons displacement. Port and local defence vessels are a miscellaneous group of older and slower battleships, armoured gun-boats, &c. First-class cruisers, *a*, are all of 5,000 tons or more, armoured or otherwise, with a sea-speed of 15 knots at least; cruisers of the same class, *b*, are another miscellaneous group, all armoured, but of smaller displacement or speed than the *a* ships, some being old vessels excluded on the ground of age from the battleship list. These *b* ships are admitted as cruisers largely for convoying purposes. Second-class cruisers are of 2,000 tons or more, with a sea-speed of at least 12 knots. With the view of simplification all other vessels of the cruising character—sloops, unarmoured gunvessels, torpedo gunboats, &c., are grouped as third-class cruisers; those indicated by the letter *a*, have a sea-speed of at least 10 knots; the *b* vessels are slower. Torpedo-boats are divided into three classes—first-class (including destroyers and division boats) over 125 feet in length; second-class, from 100 feet to 125 feet; third-class, from 80 feet to 99 feet; smaller boats, considered as useful only for harbour purposes, not counted. The estimates include vessels in hand, ordered to be built, or provided for.

	Battleships			Port Defence Vessels	1st class Cruisers		2nd class Cruisers		3rd class Cruisers		Torpedo Craft			Totals
	Class				<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	Class					
	1	2	3						1	2	3			
Great Britain ... ..	29	8	7	17	29	12	59	105	87	85	33	18	489	
France ... ..	21	9	3	18	6	11	30	46	62	46	146	38	436	
Russia ... ..	17	—	1	25	7	7	2	39	16	68	7	—	189	
Italy ... ..	8	4	—	4	4	5	16	28	8	107	36	4	224	
Germany ... ..	5	5	5	13	1	8	9	18	3	114	20	—	201	
Netherlands ... ..	—	—	—	22	—	6	8	8	68	6	14	3	135	
Spain ... ..	1	—	—	2	7	2	6	22	24	12	20	1	97	
Austria ... ..	1	5	2	10	1	—	4	19	9	24	31	8	114	
Sweden ... ..	—	—	—	17	—	—	1	10	7	—	16	2	53	
Norway ... ..	—	—	—	4	—	—	—	4	14	—	9	3	34	
Denmark ... ..	—	1	—	4	—	3	—	6	14	6	4	2	40	
Portugal ... ..	—	—	—	—	—	—	1	4	1	27	5	3	41	
Turkey ... ..	1	—	1	7	1	9	2	32	23	9	15	7	107	
Greece ... ..	—	—	—	2	—	3	—	4	16	6	6	6	43	
United States ... ..	6	—	—	18	5	2	13	7	14	2	—	1	68	
Brazil ... ..	—	2	—	9	—	—	3	5	18	7	5	—	49	
Argentine Republic ... ..	—	—	—	2	—	3	2	6	6	8	6	—	33	
Chile ... ..	1	—	—	1	—	1	4	2	8	—	6	3	26	
China <sup>1</sup> ... ..	—	2	—	9	—	9	12	27	2	26	13	—	102	
Japan ... ..	2	—	—	—	—	4	9	16	3	1	24	16	75	

<sup>1</sup> Before the loss and capture of vessels at Wei-Hai-Wei.

## IV.—THE WORLD'S SHIPPING.

The "Repertoire Général de la Marine Marchande" of the *Bureau Veritas* gives the number and net tonnage of the sailing vessels under the flags of the chief maritime countries on June 1, 1894, and the number and gross tonnage of the steam vessels on August 1, 1894, as follows:—

	Sailing Vessels		Steam Vessels		Total	
	Number	Net Tonnage	Number	Gross Tonnage	Number	Tonnage
Great Britain	8,892	3,485,590	5,735	9,706,976	14,627	13,192,566
United States	3,609	1,403,494	430	665,365	4,039	2,068,859
Germany . .	1,265	624,922	810	1,216,092	2,075	1,841,014
Norway . . .	3,111	1,297,801	510	406,119	3,621	1,703,920
France . . .	1,490	256,266	503	872,103	1,993	1,128,369
Italy . . . .	1,841	516,225	213	319,049	2,054	835,274
Spain . . . .	1,041	172,729	359	465,273	1,400	638,002
Netherlands .	647	157,636	199	310,236	846	467,872
Russia . . . .	1,729	359,572	289	232,693	2,018	592,265
Sweden . . .	1,358	290,829	462	214,840	1,820	505,669
Austria . . .	244	84,216	140	218,440	384	302,656
Denmark . . .	856	161,750	238	200,608	1,094	362,358
Greece . . . .	1,163	250,608	93	127,915	1,256	378,523
Brazil . . . .	285	65,575	172	114,923	457	180,498

## V.—THE RAILWAYS OF EUROPE.

In the beginning of 1894 the length of railways in the countries of Europe was as follows :—

	Total length Miles	Miles per 10,000 of Population	Miles per 100 square miles of Area
Austria-Hungary . . . . .	18,108	4·1	6·9
Belgium . . . . .	3,400	5·5	29·9
Denmark . . . . .	1,385	6·0	9·1
France . . . . .	24,440	6·4	11·9
Germany . . . . .	27,838	5·5	13·3
Great Britain . . . . .	20,598	5·5	17·0
Greece . . . . .	568	2·5	2·2
Italy . . . . .	8,808	2·8	7·9
Netherlands and Luxemburg .	1,924	4·0	14·0
Norway . . . . .	1,000	1·9	0·8
Portugal . . . . .	1,454	3·1	4·0
Roumania . . . . .	1,598	3·4	3·2
Russia and Finland . . . . .	20,774	2·0	1·0
Servia . . . . .	335	1·5	1·7
Spain . . . . .	7,101	4·0	3·5
Sweden . . . . .	5,453	11·4	3·1
Switzerland . . . . .	2,193	7·4	13·7
Turkey and Bulgaria . . . . .	1,129	1·2	1·1
Islands, Malta, Jersey, &c. . .	68	2·1	17·2
<b>Total . . . . .</b>	<b>148,174</b>	<b>4·0</b>	<b>3·9</b>

	Area. Sq. miles	Population	Revenue £	Expenditure £
United Kingdom . . . . .	120,979	38,104,975	91,133,410	91,302,846
<i>India</i> :—British India <sup>1</sup> 2 . . . . .	1,068,314	221,172,952	51,669,807	52,146,352
Feudatory States . . . . .	731,944	66,050,479	—	—
Total India . . . . .	1,800,258	287,223,431	51,669,807	52,146,352
COLONIES—				
<i>Europe</i> :—Gibraltar . . . . .	1 <sup>9</sup>	26,050	60,919	58,405
Malta and Gozo . . . . .	119	168,105	291,158	304,993
Total Europe . . . . .	121	194,155	352,077	363,398
<i>Asia</i> :—Aden and Perim <sup>2</sup> . . . . .	80	41,910	—	—
Ceylon <sup>2</sup> . . . . .	25,365	3,008,466	1,084,376	1,047,220
Hong Kong <sup>3</sup> . . . . .	29	221,441	432,945	470,591
Labuan <sup>3</sup> . . . . .	30 <sup>2</sup>	5,853	6,291	5,720
Straits Settlements <sup>4</sup> . . . . .	1,472	512,342	468,385	494,999
Total Asia . . . . .	26,976	3,790,012	1,941,997	2,018,530
<i>Africa</i> :—Ascension . . . . .	35	140	—	—
Basutoland . . . . .	10,293	218,902	43,667	41,301
Bechuanaland . . . . .	71,000	60,376	146,293 <sup>5</sup>	154,615
Cape Colony . . . . .	221,310	1,527,224	4,971,214	4,657,952
Mauritius <sup>2</sup> . . . . .	705	371,655	464,354	453,071
Natal . . . . .	20,460	543,913	1,069,678	1,099,858
St. Helena . . . . .	47	4,116	8,457	7,637
<i>West African Colonies</i> :—Gambia . . . . .	2,700	50,000	31,899	38,143
Gold Coast . . . . .	15,000	1,473,882	201,783	178,934
Lagos . . . . .	1,071	100,000	115,317	101,251
Sierra Leone . . . . .	15,000	74,835	92,769	84,691
Total Africa . . . . .	357,621	4,425,043	7,145,431	6,817,453
<i>America</i> :—Bermudas . . . . .	20	15,519	34,893	33,713
Canada <sup>6</sup> . . . . .	3,315,647	4,833,239	7,842,865	7,564,531
Falkland Islands and South Georgia . . . . .	7,500	1,789	13,250	11,388
British Guiana . . . . .	109,000	278,295	602,762	566,833
British Honduras <sup>7</sup> . . . . .	7,562	31,371	34,973	42,339
Newfoundland and Labrador <sup>3</sup> . . . . .	162,200 <sup>8</sup>	202,040	365,384	376,479
<i>West Indies</i> :—Bahamas . . . . .	4,466	48,913	55,083	57,910
Jamaica and Turks Islands . . . . .	4,424	675,165	871,078	808,235
Barbados . . . . .	166	185,000	161,630	164,633
Leeward Islands . . . . .	701	127,723	137,010	138,260
Windward Islands . . . . .	784	143,013	139,303	136,899
Trinidad and Tobago . . . . .	1,868	238,638	519,299	497,041
Total America . . . . .	3,614,338	6,780,605	10,777,530	10,398,261
<i>Australasia</i> :—Fiji . . . . .	8,045	122,712	76,774	85,981
New Guinea . . . . .	88,460	350,000	6,000	6,000
New South Wales . . . . .	310,700	1,132,234	9,499,814	10,064,022
New Zealand . . . . .	104,471	626,658	4,407,994	4,170,616
Queensland . . . . .	668,497	393,718	3,343,069	3,351,536
South Australia . . . . .	903,690	320,431	2,526,705	2,525,606
Tasmania . . . . .	26,385	146,667	706,972	836,417
Victoria . . . . .	87,884	1,140,405	6,719,623	7,384,961
Western Australia . . . . .	975,876	65,064	570,651	640,801
Total Australasia . . . . .	3,174,008	4,297,889	27,857,572	29,065,940
Total Colonies . . . . .	7,173,064	19,487,704	48,074,607	48,643,582
Total U. K., India, and Colonies . . . . .	9,094,301	344,816,110	190,877,824	192,092,780
PROTECTORATES AND SPHERES OF INFLUENCE—				
<i>Asia</i> . . . . .	120,400	1,112,000	—	—
<i>Africa</i> . . . . .	2,120,000	35,000,000	—	—
<i>Pacific</i> . . . . .	—	10,000	—	—
Total Protectorates . . . . .	2,240,400	36,122,000	—	—
Total British Empire . . . . .	11,334,701	380,938,110	—	—

<sup>1</sup> Including Upper Burmah.   <sup>2</sup> Rupee at 1s. 1½d.   <sup>3</sup> Dollar at 4s. 2d.   <sup>4</sup> Dollar at 2s. 6½d.

<sup>5</sup> Including £100,000 from Parliamentary Grant.   <sup>6</sup> Dollar at 4s. 1½d.   <sup>7</sup> Dollar at 2s. 3½d.

<sup>8</sup> The area of Newfoundland alone is 42,000 square miles.

Debt	Total Imports <sup>1</sup>	Total Exports <sup>1</sup>	Imports from U.K. <sup>1</sup>	Exports to U.K. <sup>1</sup>	Registered Tonnage	Tonnage entered and cleared	Railway open. Miles
£	£	£	£	£			
669,104,024	441,436,300	251,186,881	—	—	8,778,503	74,633,000	20,646
127,639,123	54,614,249	63,382,521	32,765,954	21,613,662	52,693	7,665,886	18,500
—	—	—	—	—	—	—	—
127,639,123	54,614,249	63,382,521	32,765,954	21,613,662	52,693	7,665,886	18,500
—	—	—	—	—	7,316	9,248,019	—
78,368	13,732,030 <sup>2</sup>	12,275,141 <sup>2</sup>	—	—	8,657	6,931,663	7.5
—	—	—	—	—	—	—	—
78,368	13,732,030	12,275,141	—	—	15,973	16,179,682	7.5
—	2,550,427	2,112,864	—	—	—	2,530,435	—
2,718,198	4,145,120	4,251,394	1,080,907	2,763,615	11,788	6,152,393	230
340,000	—	—	1,822,047 <sup>3</sup>	885,634 <sup>3</sup>	28,687	10,535,859	—
—	82,082	39,588	—	—	—	109,142	—
—	20,241,049	18,295,726	2,796,574	3,828,882	41,890	10,613,806	—
—	—	—	—	—	—	—	—
3,058,198	27,018,678	24,699,572	5,699,528	7,478,131	82,365	29,941,635	230
—	—	—	2,405	366	—	—	—
—	98,072	103,608	—	—	—	—	—
—	—	—	—	—	—	—	—
26,798,878	11,539,987	13,156,589	9,203,317	12,401,227	3,602	3,142,245	2,441
1,372,149	1,945,396	1,614,666	378,080	132,072	4,860	215,340	104
7,170,354	2,482,228	1,337,516	1,833,790	948,451	1,443	1,192,792	399
—	41,193	4,976	25,069	4,709	—	81,161	—
—	166,509	204,721	82,967	21,427	—	228,706	—
—	718,353	722,107	524,037	530,300	—	830,766	—
—	749,027	836,295	525,287	327,613	2,455	618,875	—
50,000	417,466	398,664	325,829	166,055	—	746,512	—
—	—	—	—	—	—	—	—
35,391,381	18,158,231	18,973,142	12,900,781	14,532,220	12,360	7,056,307	2,944
17,600	327,580	129,069	86,601	1,639	6,185	354,043	—
61,655,039	26,522,110	24,362,538	8,866,112	13,167,225	885,455 <sup>4</sup>	10,608,611	15,320
—	71,126	134,872	62,555	130,319	316	59,754	—
812,155	1,920,710	2,358,918	1,046,862	1,234,205	648,528	652,684	23
35,458	169,226	247,318	64,830	137,405	4,435	283,305	—
1,719,906	1,577,619	1,308,523	558,511	272,635	100,304	852,308	400
110,126	196,512	122,540	45,758	13,966	—	349,491	—
1,672,299	2,182,682	2,099,055	1,194,679	554,082	—	1,647,269	119
30,100	1,372,536	1,243,082	583,087	141,942	—	1,224,067	24
121,571	460,885	564,289	224,623	59,361	—	1,906,543	—
271,542	429,081	609,186	211,400	390,086	—	1,630,801	—
601,620	2,288,748	2,346,253	886,741	867,480	—	1,264,386	54
—	—	—	—	—	—	—	—
67,047,416	37,518,815	35,525,643	13,831,759	16,969,345	1,699,781	20,733,262	15,940
239,682	276,398	355,632	18,479	9,741	180	147,888	—
—	28,500	15,000	—	—	—	6,663	—
58,079,033	18,107,035	22,921,223	7,218,124	8,269,507	110,195	5,193,328	2,501
33,874,491	6,911,515	8,985,364	4,481,955	7,036,515	73,753	1,258,070	2,112
30,639,534	4,352,783	9,632,662	1,559,475	3,694,534	22,700	945,628	2,379
21,683,250	7,934,200	8,463,936	1,925,985	3,477,579	38,902	2,392,600	1,810
7,645,604	1,057,683	1,352,184	344,360	284,344	19,499	934,439	475
46,547,708	13,283,814	13,308,551	5,511,735	7,490,804	93,913	4,029,738	2,975
2,873,098	1,494,438	918,147	733,000	349,080	5,899	1,071,418	1,184
—	—	—	—	—	—	—	—
206,582,400	53,446,366	65,952,699	21,793,113	30,612,104	365,041	15,979,272	13,436
312,157,763	149,874,120 <sup>6</sup>	156,832,197	54,225,181	69,591,800	2,175,520	89,890,158	32,557
1,108,900,910	645,924,669	471,401,599	86,991,135	91,205,462	11,006,716	172,189,044	71,703
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

<sup>1</sup> Including bullion and specie. The exports from U.K. are exclusive of £59,043,405, the value of Foreign and Colonial merchandise exported. <sup>2</sup> The trade of Malta is mainly transit.

<sup>3</sup> These are Board of Trade figures. There are no returns from Hong Kong.

<sup>4</sup> Including inland navigation.

## ADDITIONS AND CORRECTIONS.

### BRITISH EMPIRE.

CAPE COLONY. — The Right Hon. Sir HERCULES ROBINSON, Bart., G.C.M.G., succeeds the Right Hon. Sir HENRY B. LOCH, as *Governor and High Commissioner* in June, 1895.

### GERMAN EMPIRE.

BAVARIA. — PRINCE WOLFGANG, son of PRINCE LUITPOLD, died March, 1895.

SHIPPING AND NAVIGATION (*see* page 561). — The total number of vessels that entered the ports of the German Empire in 1893 was 66,655 of 14,621,634 tons ; the number that cleared was 67,219 of 14,734,653 tons. Of the vessels that entered 49,083 of 7,637,346 tons were German ; and of that cleared 49,681 of 7,734,123 tons.

### RUSSIA.

GRAND DUKE ALEXIS, son of GRAND DUKE MICHAEL, died March 2, 1895.

*Minister of Foreign Affairs.* — PRINCE ALEXAI BORISSOVICH LOBANOFF-ROSTOFSKI succeeded the late M. DE GIERS, February, 1895.



PART THE FIRST

THE BRITISH EMPIRE

1911

1911

## THE BRITISH EMPIRE.

The British Empire consists of :—

I. THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND.

II. INDIA, THE COLONIES, PROTECTORATES, AND DEPENDENCIES.

### Reigning Queen and Empress.

**Victoria**, Queen of Great Britain and Ireland, and Empress of India, born May 24, 1819, the daughter of Edward, Duke of Kent, fourth son of King George III., and of Princess Victoria of Saxe-Saalfeld-Coburg, widow of Prince Emich of Leiningen. Ascended the throne at the death of her uncle, King William IV., June 20, 1837; crowned at Westminster Abbey, June 28, 1838. Married, Feb. 10, 1840, to Prince Albert of Saxe-Coburg-Gotha; widow, Dec. 14, 1861.

### *Children of the Queen.*

I. Princess *Victoria* (Empress Frederick), born Nov. 21, 1840; married, Jan. 25, 1858, to Prince Friedrich Wilhelm (Friedrich I. of Germany), eldest son of Wilhelm I., German Emperor and King of Prussia; widow, June 15, 1888.

II. *Albert Edward*, Prince of Wales, born Nov. 9, 1841; married March 10, 1863, to Princess *Alexandra*, eldest daughter of King Christian IX. of Denmark. Offspring<sup>1</sup>:—(1) George, Duke of York, born June 3, 1865, married July 6, 1893, to Victoria Mary, daughter of the Duke of Teck,—offspring, Edward Albert, born June 23, 1894; (2) Louise, born Feb. 20, 1867, married to the Duke of Fife, July 27, 1889,—offspring, Alexandra Victoria, born May 17, 1891; Maud Alexandra, born April 3, 1893; (3) Victoria, born July 6, 1868; (4) Maud, born Nov. 26, 1869.

III. Prince *Alfred*, Duke of Edinburgh (Duke of Saxe-Coburg-Gotha, Aug. 22, 1893), born Aug. 6, 1844; married, Jan. 23, 1874, to Grand Duchess Marie of Russia, only

<sup>1</sup> Prince Albert Victor, eldest son of the Prince of Wales, born Jan. 8, 1864, died Jan. 14, 1892.

daughter of Emperor Alexander II. Offspring:—(1) Alfred, born Oct. 15, 1874; (2) Marie, born Oct. 29, 1875; married Jan. 10, 1893, to Prince Ferdinand of Hohenzollern-Sigmaringen, Crown Prince of Roumania. Offspring:—Carol, born Oct. 15, 1893; (3) Victoria, born Nov. 25, 1876; married April 19, 1894, to Ernest Louis, Grand Duke of Hesse; (4) Alexandra, born Sept. 1, 1878; (5) Beatrice, born April 20, 1884.

IV. Princess *Helena*, born May 25, 1846; married, July 5, 1866, to Prince Christian of Schleswig-Holstein. Offspring:—(1) Christian, born April 14, 1867; (2) Albert John, born Feb. 26, 1869; (3) Victoria, born May 3, 1870; (4) Louise, born Aug. 12, 1872; married to Prince Aribert of Anhalt, July 6, 1891.

V. Princess *Louise*, born March 18, 1848; married March 21, 1871, to John, Marquis of Lorne, eldest son of the Duke of Argyll.

VI. Prince *Arthur*, Duke of Connaught, born May 1, 1850; married, March 13, 1879, to Princess Louise of Prussia, born July 25, 1860. Offspring:—(1) Margaret Victoria, born Jan. 15, 1882; (2) Arthur, born Jan. 13, 1883; (3) Victoria, born March 17, 1886.

VII. Princess *Beatrice*, born April 14, 1857; married, July 13, 1885, to Prince Henry, third son of Prince Alexander of Battenberg, uncle of Ludwig IV., Grand Duke of Hesse. Offspring:—(1) Alexander Albert, born Nov. 23, 1886; (2) Victoria Eugénie, born Oct. 24, 1887; (3) Leopold Arthur Louis, born May 21, 1889; (4) Maurice Victor Donald, born October 3, 1891.

#### *Cousins of the Queen.*

I. Prince *Ernest August*, Duke of Cumberland, born Sept. 21, 1845, the grandson of Duke Ernest August of Cumberland, fifth son of King George III.; married, December 21, 1878, to Princess Thyra of Denmark, born September 29, 1853. Six children.

II. Prince *George*, Duke of Cambridge, born March 26, 1819, the son of Duke Adolph of Cambridge, sixth son of King George III.; field-marshal commanding-in-chief the British army.

III. Princess *Augusta*, sister of the preceding, born July 19, 1822; married June 28, 1843, to Grand Duke Friedrich Wilhelm of Mecklenburg-Strelitz.

IV. Princess *Mary*, sister of the preceding, born Nov. 27, 1833; married, June 12, 1866, to Prince Franz von Teck, born Aug. 27, 1837, son of Prince Alexander of Würtemberg. Four children:—1. Victoria Mary, born May 26, 1867; married, July 6, 1893, to George, Duke of York. 2. Adolphus, born Aug. 13, 1868; married to Lady Margaret Grosvenor, daughter of the Duke of Westminster, 1894. 3. Franz Josef, born Jan. 9, 1870. 4. Alexander, born April 14, 1874.

The Queen reigns in her own right, holding the Crown both by inheritance and election. Her legal title rests on the statute of

12 & 13 Will. III. c. 3, by which the succession to the Crown of Great Britain and Ireland was settled on the Princess Sophia of Hanover and the 'heirs of her body, being Protestants.'

The civil list of the Queen consists in a fixed Parliamentary grant, and amounts to much less than the incomes of previous sovereigns. Under George I. this sum amounted at times to 1,000,000*l.* sterling, but in 1777 the civil list of the King was fixed at 900,000*l.*, and the income over and above that sum from the hereditary possessions of the Crown passed to the Treasury. Under William IV. the civil list was relieved of many burthens, and fixed at 510,000*l.*

It is established by 1 & 2 Vict. c. 2, that during her Majesty's reign all the revenues of the Crown shall be a part of the Consolidated Fund, but that a civil list shall be assigned to the Queen. In virtue of this Act, the Queen has granted to her an annual allowance of 385,000*l.* of which the Lords of the Treasury are directed to pay yearly 60,000*l.*, into her Majesty's Privy Purse; to set aside 231,260*l.* for the salaries of the royal household; 44,240*l.* for retiring allowances and pensions to servants; and 13,200*l.* for royal bounty, alms, and special services. This leaves an unappropriated surplus of 36,300*l.*, which may be applied in aid of the general expenditure of her Majesty's Court. The Queen has also paid to her the revenues of the Duchy of Lancaster, which in the year 1893 amounted to 81,747*l.*, and the payment made to her Majesty for the year was 48,000*l.*

On the Consolidated Fund are charged likewise the following sums allowed to members of the royal family:—10,000*l.* a year to the Duke of Edinburgh (reduced from £25,000 on the Duke's accession to the Dukedom of Saxe-Coburg-Gotha in 1893); 25,000*l.* to the Duke of Connaught; 8,000*l.* to the Empress Victoria of Germany; 6,000*l.* to Princess Christian of Schleswig-Holstein; 6,000*l.* to Princess Louise, Marchioness of Lorne; 6,000*l.* to Princess Henry (Beatrice) of Battenberg; 3,000*l.* to the Grand Duchess of Mecklenburg-Strelitz; 5,000*l.* to Princess of Teck, formerly Princess Mary of Cambridge; 12,000*l.* to George, Duke of Cambridge; and 6,000*l.* to Princess Helena of Waldeck, Duchess of Albany.

The heir-apparent to the Crown has, by 26 Vict. c. 1, settled upon him an annuity of 40,000*l.*, and by an Act passed in 1889 receives 37,000*l.* annually in addition for the support and maintenance of his children. The Prince of Wales has besides as income the revenues of the Duchy of Cornwall, which in the year 1893 were 99,724*l.*, the sum paid to the Prince being 57,086*l.* The Princess of Wales has settled upon her by 26 Vict. cap. 1, the

annual sum of 10,000*l.*, to be increased to 30,000*l.* in case of widowhood.

The following is a list of the sovereigns and sovereign rulers of Great Britain, with date of their accession, from the union of the crowns of England and Scotland :—

<i>House of Stuart.</i>		<i>House of Stuart-Orange.</i>	
James I. . . . .	1603	William and Mary . . . . .	1689
Charles I. . . . .	1625	William III. . . . .	1694
<i>Commonwealth.</i>		<i>House of Stuart.</i>	
Parliamentary Executive . . . . .	1649	Anne . . . . .	1702
Protectorate . . . . .	1653	<i>House of Hanover.</i>	
<i>House of Stuart.</i>		George I. . . . .	1714
Charles II. . . . .	1660	George II. . . . .	1727
James II. . . . .	1685	George III. . . . .	1760
		George IV. . . . .	1820
		William IV. . . . .	1830
		Victoria . . . . .	1837

## 1. THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND.

### Constitution and Government.

#### I. IMPERIAL AND CENTRAL.

The supreme legislative power of the British Empire is by its Constitution given to Parliament. Parliament is summoned by the writ of the sovereign issued out of Chancery, by advice of the Privy Council, at least thirty-five days previous to its assembling. On a vacancy occurring in the House of Commons whilst Parliament is sitting, a writ for the election of a new member is issued upon motion in the House. If the vacancy occurs during the recess, the writ is issued at the instance of the Speaker.

It has become customary of late for Parliaments to meet in annual session extending from the middle of February to about the end of August. Every session must end with a prorogation, and by it all Bills which have not been passed during the session fall to the ground. The royal proclamation which summons Parliament in order to proceed to business must be issued fourteen days before the time of meeting. A dissolution is the civil death of Parliament; it may occur by the will of the sovereign, or, as is most usual, during the recess, by proclamation, or finally by lapse of time, the statutory limit of the duration of the existence of any Parliament being seven years. Formerly, on the demise

of the sovereign Parliament stood dissolved by the fact thereof ; but this was altered in the reign of William III. to the effect of postponing the dissolution till six months after the accession of the new sovereign, while the Reform Act of 1867 settled that the Parliament 'in being at any future demise of the Crown shall not be determined by such demise.'

The present form of Parliament, as divided into two Houses of Legislature, the Lords and the Commons, dates from the middle of the fourteenth century.

The House of Lords consists of peers who hold their seats—(1) by hereditary right ; (2) by creation of the sovereign ; (3) by virtue of office—English bishops ; (4) by election for life—Irish peers ; (5) by election for duration of Parliament—Scottish peers.

The number of names on the 'Roll' was 401 in 1830 ; 457 in 1840 ; 448 in 1850 ; 458 in 1860 ; 503 in 1877 ; and 569 in 1894. About two-thirds of these hereditary peerages were created in the present century. Excluding the royal and ecclesiastical peerages, the 4 oldest existing peerages in the House of Lords date from the latter part of the thirteenth century, while 5 go back to the fourteenth and 7 to the fifteenth century. There are besides 6 peeresses of the United Kingdom in their own right, and 2 Scotch peeresses, and 20 Scotch and 66 Irish peers who are not peers of Parliament.

The House of Commons has consisted, since 49 Hen. III., of knights of the shire, or representatives of counties ; of citizens, or representatives of cities ; and of burgesses or representatives of boroughs, all of whom vote together. To the House of Commons, in the reign of Edward I., 37 counties and 166 boroughs each returned two representatives ; but at the accession of Henry VIII. the total number of constituencies was only 147. The additions from Edward VI. to Charles II. were almost entirely of borough members. In the fourth Parliament of Charles I., the number of places in England and Wales for which returns were made, exclusive of counties, amounted to 210 ; and in the time of the Stuarts, the total number of members of the House of Commons was about 500. At the union of the English and Scottish Parliaments in 1707, 45 representatives of Scotland were added ; and at the union of the British and Irish Parliaments in 1801, 100 representatives of Ireland. The average number of members was then about 650.

By the Reform Bill of 1832, the number of English county constituencies was increased from 52 to 82 ; 56 boroughs, containing a population of less than 2,000 each, were totally

disfranchised, and 31 other boroughs, of less than 4,000 each, were required to send one representative instead of two. On the other hand, 22 new boroughs acquired the right to return two members, and 24 to return one member. In Scotland the town members were increased from 15 to 23—making 53 in all; while the Irish representatives were increased from 100 to 103.

The next great change in the constituency of the House of Commons, was made by the Reform Bill of 1867-68. By this Act England and Wales were allotted 493 members and Scotland 60, while the number for Ireland remained unaltered, and household suffrage was conferred on boroughs in England and Scotland. A still greater reform was effected by the Representation of the People Act 1884, and the Redistribution of Seats Act, 1885. The former introduced a 'service franchise,' extending to householders and lodgers in *counties* the suffrages which in 1867 had been conferred upon householders and lodgers in *boroughs*, and placed the three Kingdoms on a footing of equality as regards electoral qualifications; while the latter made a new division of the United Kingdom into county and borough constituencies, and raised the total number of members to 670, England receiving 6 new members, and Scotland 12.

The number of members and of registered electors for England and Wales, Scotland and Ireland respectively, in 1893 was as follows:—

—	COUNTIES.		BOROUGHS.		UNIVERSITIES.		TOTAL.	
	Members	Electors	Members	Electors	Members	Electors	Members	Electors
England .	253	2,754,863	237	2,091,723	5	16,172	495	4,862,758
Scotland .	39	343,392	31	258,593	2	17,106	72	619,091
Ireland .	85	637,757	16	105,019	2	4,495	103	747,271
	377	3,736,012	284	2,455,335	9	37,773	670	6,229,120

Thus about one-sixth of the population are electors.

The number of those voting as 'Illiterates,' and the total votes recorded in 1892, were as follows:—

—	England	Scotland	Ireland	United Kingdom
Illiterates . . . . .	46,109	4,577	84,919	135,605
Total votes polled being	3,725,972	466,040	395,024	4,587,036

All elections for members of Parliament must be by secret vote by ballot, an Act being passed annually to this effect.

No one under twenty-one years of age can be a member of



Parliament. All clergymen of the Church of England, ministers of the Church of Scotland, and Roman Catholic clergymen are disqualified from sitting as members; all Government contractors, and all sheriffs and returning officers for the localities for which they act, are disqualified both from voting and from sitting as members. No English or Scottish peer can be elected to the House of Commons, but non-representative Irish peers are eligible.

The following is a table of the duration of Parliaments of the United Kingdom from the accession of George IV. :—

Reign	Parliament	When met	When dissolved	Existed		
				Y.	M.	D.
George IV. . . . .	1st	21 April 1820	2 June 1826	6	1	12
	2nd	25 July 1826	24 July 1830	3	11	29
William IV. . . . .	1st	14 Sept. 1830	23 April 1831	0	7	9
	2nd	14 June 1831	3 Dec. 1832	1	5	19
	3rd	29 Jan. 1833	29 Dec. 1834	1	11	0
	4th	19 Feb. 1835	17 July 1837	2	4	28
Victoria . . . . .	1st	11 Sept. 1837	23 June 1841	3	9	12
	2nd	19 Aug. 1841	23 July 1847	5	11	4
	3rd	21 Sept. 1847	1 July 1852	4	9	10
	4th	20 Aug. 1852	21 Mar. 1857	4	7	1
	5th	30 April 1857	23 April 1859	1	11	23
	6th	31 May 1859	6 July 1865	6	1	6
	7th	15 Aug. 1865	11 Nov. 1868	3	2	27
	8th	10 Dec. 1868	26 Jan. 1874	5	1	16
	9th	5 Mar. 1874	24 Mar. 1880	6	0	19
	10th	29 April 1880	18 Nov. 1885	5	6	20
	11th	12 Jan. 1886	26 June 1886	0	5	14
	12th	5 Aug. 1886	28 June 1892	5	10	23
	13th	4 Aug. 1892				

The executive government of Great Britain and Ireland is vested nominally in the Crown; but practically in a committee of Ministers, commonly called the Cabinet, whose existence is dependent on the possession of a majority in the House of Commons.

The member of the Cabinet who fills the position of First Lord of the Treasury is, as a rule, the chief of the Ministry. It is on the Premier's recommendation that his colleagues are appointed; and he dispenses the greater portion of the patronage of the Crown.

The present Cabinet consists of the following members:

1. *Prime Minister, First Lord of the Treasury, and President of the Council.*—Right Hon. Earl of *Rosebery*, K.G., born 1847; succeeded his grandfather, the fourth Earl, in 1868; Under-Secretary of State, Home Office, 1881-83; Lord Privy Seal and First Commissioner of Works, 1885; Secretary of State for Foreign Affairs, 1886 and 1892. Present appointment, March 5, 1894.

2. *Lord High Chancellor.*—Right Hon. Lord *Herschell*, formerly Sir Farrar *Herschell*, born 1837; educated at Bonn and London University; called to the Bar (Lincoln's Inn), 1860; Q.C. and Bencher, 1872; M.P. for Durham, 1874; Solicitor-General, May, 1880, to June, 1885; Lord Chancellor, February to August, 1886. Present appointment, August 18, 1892.

3. *Chancellor of the Exchequer*.—Right Hon. Sir W. V. *Harcourt*, son of the Rev. W. V. *Harcourt*, born 1827; educated at Trinity College, Cambridge; called to the Bar (Inner Temple), 1854; Q. C., 1866; M. P. for Oxford (city), 1868; Solicitor-General, 1873; M. P. for Derby, 1880; Home Secretary, 1880 to 1885; Chancellor of the Exchequer, February to August, 1886; Professor of International Law, Cambridge, 1869-87. Present appointment, August 18, 1892.

4. *Secretary of State for Foreign Affairs*.—Right Hon. Earl of *Kimberley*, K. G., born 1826, succeeded his grandfather as Baron Wodehouse; educated at Christ Church, Oxford; Under-Secretary for Foreign Affairs, 1852-56 and 1859-61; created Earl of Kimberley, 1866; Lord Privy Seal, 1868-70; Secretary for the Colonies, 1870-74, and 1880-82; Secretary of State for India, 1882-85, and February to August, 1886; Chancellor of Duchy of Lancaster for a short time in 1880; President of the Council and Secretary for India, August 18, 1892. Present appointment, March 5, 1894.

5. *Lord Privy Seal and Chancellor of the Duchy of Lancaster*.—Right Hon. Lord *Tweedmouth*, born 1849; educated at Harrow and Christ Church, Oxford; called to the Bar, 1874; M. P. for Berwickshire, 1880; Comptroller of the Household, 1886; Privy Councillor, 1886; Parliamentary Secretary to the Treasury, 1892; succeeded to the Peerage, 1894. Appointed Lord Privy Seal, March 8, and Chancellor of the Duchy of Lancaster, May 28, 1894.

6. *Secretary of State for India*.—Right Hon. Harry H. *Fowler*, born 1830; M. P. for Wolverhampton, 1880; Under-Secretary of State for the Home Department, 1884-85; Financial Secretary to the Treasury, February to August, 1886; President of the Local Government Board, August 18, 1892. Present appointment, March 5, 1894.

7. *Secretary of State for the Home Department*.—Right Hon. Herbert H. *Asquith*, born September, 1852; educated at City of London School and Balliol College, Oxford; called to the Bar (Lincoln's Inn), 1876; M. P. for East Fife, 1886; Q. C., 1890. Present appointment, Aug. 18, 1892.

8. *Secretary of State for the Colonies*.—Right Hon. Marquis of *Ripon*, K. G., born 1827, succeeded his father as Earl of Ripon and his uncle as Earl de Grey in 1859; created Marquis of Ripon, 1871; M. P. for Hull, 1852; for Huddersfield, 1853; for the West Riding of Yorkshire, 1857; Under-Secretary of State for War, 1859; on Indian Board in February, and War Office in July, 1861; Secretary of State for War, 1863-66; on India Board, February to June, 1866; Lord President of the Council, 1868-73; Governor-General of India, 1880-84; First Lord of the Admiralty, February to August, 1886. Present appointment, August 18, 1892.

9. *Secretary of State for War*.—Right Hon. H. *Campbell-Bannerman*, son of Sir J. Campbell, of Stracathro, born 1836; educated at Glasgow University and Trinity College, Cambridge; assumed the surname of Bannerman in 1872; M. P. for the Stirling Burghs since 1868; Financial Secretary to the War Office, 1871-74 and 1880-82; Secretary to the Admiralty, 1882-84; Chief Secretary to the Lord-Lieutenant of Ireland, 1884-85; Secretary of State for War, February to August, 1886. Present appointment, August 18, 1892.

10. *First Lord of the Admiralty*.—Right Hon. Earl *Spencer*, K. G., born 1835; succeeded his father to the title in 1857; M. P. for South Northamptonshire, 1857; educated at Harrow and Trinity College, Cambridge; Lord-Lieutenant of Ireland, December, 1868, to February, 1874, and April, 1882, to June, 1885; Lord President of the Council, 1880-1883, and February to August, 1886. Present appointment, August 18, 1892.

11. *Chief Secretary to the Lord-Lieutenant of Ireland*.—Right Hon. John *Morley*, born 1838; educated at Cheltenham College and Lincoln College, Oxford; called to the Bar (Lincoln's Inn), 1873; M. P. for Newcastle-on-Tyne, 1883; Chief Secretary to the Lord-Lieutenant of Ireland, February to August, 1886. Present appointment, August 18, 1892.

12. *President of the Board of Trade*.—Right Hon. James *Bryce*, born 1838; educated at Glasgow University and Trinity College, Oxford; called to the Bar (Lincoln's Inn), 1867; Regius Professor of Civil Law, Oxford, 1870; M.P. for Tower Hamlets, 1880, and for South Aberdeen, 1885; Under-Secretary of State for Foreign Affairs, 1886. Chancellor of the Duchy of Lancaster, August 18, 1892. Present appointment, May 28, 1894.

13. *President of the Local Government Board*.—Right Hon. G. J. *Shaw-Lefevre*, son of Sir J. G. Shaw-Lefevre, K.C.B., born 1832; educated at Eton and Trinity College, Cambridge; called to the Bar (Inner Temple), 1856; Bencher, 1882; M.P. for Reading, 1864; a Lord of the Admiralty in 1866; Parliamentary Secretary to the Board of Trade, December, 1868, to January, 1871; Under-Secretary to the Home Department, January to March, 1871; Secretary to the Admiralty, March, 1871, to February, 1874, and April to December, 1880; First Commissioner of Works, 1880-84; Postmaster-General, 1884-85; M.P. for Bradford, 1886; First Commissioner of Works, August 18, 1892. Present appointment, March 7, 1894.

14. *Secretary for Scotland*.—Right Hon. Sir G. O. *Trevelyan*, Bart., born 1838; succeeded his father to the baronetcy in 1886; educated at Harrow and Trinity College, Cambridge; M.P. for Tynemouth, 1865-68; for the Border Burghs, 1868-86; and for Glasgow (Bridgeton), 1887; a Lord of the Admiralty, 1869-70; Parliamentary Secretary to the Admiralty, 1880-82; Chief Secretary to the Lord-Lieutenant of Ireland, 1882-84; Chancellor of the Duchy of Lancaster, 1884-85; Secretary for Scotland, February and March, 1886. Present appointment, August 18, 1892.

15. *Postmaster-General*.—Right Hon. Arnold *Morley*, son of Mr. Samuel Morley, born 1849; educated at Trinity College, Cambridge; called to the Bar (Inner Temple), 1873; M.P. for Nottingham, 1880, and for East Nottingham, 1885; Political Secretary to the Treasury, 1886. Present appointment, August 18, 1892.

16. *Vice-President of the Council on Education*.—Right Hon. A. H. *Dyke Acland*, son of Sir Thomas Acland, born 1847; educated at Rugby and Christ Church, Oxford; tutor at Oxford until 1885; member for the Rotherham division of the West Riding of Yorkshire, 1885. Present appointment, August 18, 1892.

The following is a list of the heads of the Administrations of Great Britain, with the dates of their acceptance of office, since the appointment of Pitt in 1783:

Heads of Administrations.	Dates of Appointment	Heads of Administrations.	Dates of Appointment
William Pitt . . . . .	Dec. 19, 1783	Earl of Derby . . . . .	Feb. 26, 1852
Henry Addington . . . . .	March 17, 1801	Earl of Aberdeen . . . . .	Dec. 27, 1852
William Pitt . . . . .	May 10, 1804	Viscount Palmerston . . . . .	Feb. 8, 1855
Lord Grenville . . . . .	Jan. 26, 1806	Earl of Derby . . . . .	Feb. 22, 1858
Duke of Portland . . . . .	March 24, 1807	Viscount Palmerston . . . . .	June 17, 1859
Spencer Perceval . . . . .	Dec. 6, 1810	Earl Russell . . . . .	Oct. , 1865
Earl of Liverpool . . . . .	June 8, 1812	Earl of Derby . . . . .	July 6, 1866
George Canning . . . . .	April 10, 1827	Benjamin Disraeli . . . . .	Feb. 28, 1868
Viscount Goderich . . . . .	August 10, 1827	W. E. Gladstone . . . . .	Dec. 9, 1868
Duke of Wellington . . . . .	Jan. 8, 1828	Benjamin Disraeli . . . . .	Feb. 21, 1874
Earl Grey . . . . .	Nov. 16, 1830	W. E. Gladstone . . . . .	April 28, 1880
Viscount Melbourne . . . . .	July 14, 1834	Marquis of Salisbury . . . . .	June 24, 1885
Sir Robert Peel . . . . .	Dec. 26, 1834	W. E. Gladstone . . . . .	Feb. 6, 1886
Viscount Melbourne . . . . .	April 18, 1835	Marquis of Salisbury . . . . .	August 3, 1886
Sir Robert Peel . . . . .	Aug. 30, 1841	W. E. Gladstone . . . . .	August 15, 1892
Lord John Russell . . . . .	July 6, 1846	Earl of Rosebery . . . . .	March 5, 1894

## II. LOCAL GOVERNMENT.

*England and Wales.*—In each county the Crown is represented by a Lord-Lieutenant, who is generally also *custos rotulorum*, or keeper of the records. He usually nominates persons whom he considers fit and proper persons to be justices of the peace for his county, to be appointed by the Lord Chancellor. His duties however are almost nominal. There is also a sheriff, who represents the executive of the Crown, an under-sheriff, a clerk of the peace, coroners, who are appointed and paid by the County Councils, and other officers. The licensing of persons to sell intoxicating liquors, and the administration of the criminal law—except that which deals with a few of the gravest offences—is in the hands of the magistrates. For the purposes of local government England and Wales are divided into sixty-one administrative counties, including the county of London. For each administrative county there is a popularly-elected Council, called a County Council, who co-opt a prescribed number of aldermen, either from their own body or from outside it. Aldermen are elected for six years, half of them retiring every third year. A councillor is elected for three years. The administrative business recently transferred from the justices of the peace to the County Councils consists of business as to (1) making of county and police rates; (2) borrowing of money; (3) supervision of county treasurer; (4) management of county halls and other buildings; (5) licensing of houses for music and dancing, and of racecourses; (6) maintenance and management of pauper lunatic asylums; (7) maintenance of reformatory and industrial schools; (8) management of bridges and main roads; (9) regulation of fees of inspectors, analysts, and other officers; (10) control of officers paid out of the county rate; (11) coroner's salary, fees, and district; (12) Parliamentary polling districts and registration; (13) contagious diseases of animals, and various other matters. The control of the county police is vested in a standing joint committee composed of an equal number of magistrates and members of the County Council. The London police are however under the control of the Home Secretary.

The administrative counties are, for the purposes of local government, subdivided into 'Urban Districts' and 'Rural Districts.' Generally speaking, an urban district is a small area more or less closely populated, and a rural district is a larger area sparsely populated. In the urban districts are included boroughs, except the Metropolis and the county boroughs. In each district a Council is elected, called a District Council, except in boroughs, where the Corporations and Town Councils take their place, but administer the same laws as are administered in the urban districts. Women may be elected on to District Councils, but may not sit on County Councils; and the chairman of a District Council is, unless a woman, a magistrate for the county by virtue of his office. The District Councils administer the Public Health and Highway Acts, and also exercise some powers formerly exercised by the justices out of session.

The unit of local government is the civil parish (of which there are 14,684), and for each of these overseers are and have been appointed by the inhabitants of the parish in Vestry assembled since the reign of Queen Elizabeth. Their duty is to relieve the immediate necessities of the poor and to make out and collect the poor-rate. In every civil parish in a 'rural district' there is a Parish Meeting, at which every parochial elector may attend and vote. In such parishes of over 300 inhabitants there is in addition a Parish Council. To these latter bodies has been transferred all the civil powers of the old Vestries, including the election of overseers, and in addition very considerable powers over charities, allotments, and other public matters, which are shared in a modified manner by the Parish Meetings, including the appointment of

the overseers. Urban District Councils can, by petitioning the Local Government Board—which is the supreme Local Government authority—obtain part or all of the powers of a Parish Council. The Urban District Councils and the Parish Meetings may respectively adopt and work the Public Libraries Acts, the Baths and Washhouses Acts, the Lighting and Watching Acts, the Burials Acts, and the Public Improvements Acts. The Poor Law, which is administered at the cost of about 11,000,000*l.* per annum, is under the control of Boards of Guardians, which are elected for large parishes or groups of small parishes, the Metropolis included. In urban districts, including London, the guardians are elected as such. In rural districts the district councillors, who are elected by the parishes in the district, also act as guardians. The franchise for electing the foregoing bodies is very wide and popular. In the Metropolis, under the County Council, the Vestries, formed under the Metropolis Management Acts. These Vestries are elected on the same wide suffrage as district councillors. Married women, properly qualified, have votes, and may now sit on them, as well as single women. [See Local Government Acts, 1888 and 1894.]

In all the great towns, including 'county boroughs,' local business is administered by a municipal Corporation, which derives its authority from a charter granted by the Crown. In 1835 the municipalities of the country were completely reorganised. A municipal Corporation consists of the mayor, aldermen, and burgesses, and acts through a Council elected by the burgesses—practically by the ratepayers. The councillors serve for three years, one-third retiring annually; the aldermen are elected by the Council, and the mayor, who serves for one year, also by the Council. A municipal Corporation has generally wider powers than are conferred on the County Council—*e.g.*, the Town Council has the entire management of the police. As to Poor Law and School Board administration in boroughs, see 'Pauperism' and 'Instruction.'

*Scotland.*—By the Local Government (Scotland) Act, 1894, a Local Government Board for Scotland was constituted, its President being the Secretary for Scotland. The Local Government Act which was passed for Scotland in 1889 followed in its main outlines the English Act of the previous year. The powers of local administration in counties formerly exercised by the Commissioners of Supply and Road Trustees were either wholly or in part transferred to the new Councils, which took over their duties and responsibilities in 1890. The Act of 1894 provided that a Parish Council should be established in every parish to take the place of the Parochial Boards and to exercise powers similar to those of the Parish Councils in England. Municipal bodies exist in the towns of Scotland, as in those of England, but instead of 'aldermen' there are 'baillies,' and instead of a 'mayor' there is a 'provost.' There are in Scotland five kinds of burghs—(1) Burghs of barony; (2) Burghs of regality (no practical distinction between these two); (3) Royal Burghs, representatives of which meet together annually in Edinburgh, as the 'Convention of Royal Burghs,' for the transaction of business; (4) Parliamentary Burghs which by an Act passed in 1879 are enabled to send representatives to the convention; (5) Police Burghs, in which the local authority are the Police Commissioners.

*Ireland.*—In the counties local affairs are not in the hands of a popularly elected body. The principal county authority for local government is the grand jury, which is appointed under the Act 6 & 7 Will. IV. c. 116. Its powers end with each of the assizes. In Ireland the towns are partly corporate and partly governed by Commissioners. There are eleven boroughs with a mayor, aldermen, and councillors, whose powers are regulated by 3 & 4 Vict. c. 108. The ordinary affairs of the borough, such as lighting, watching, and cleansing, are administered by the Council, which has power to levy rates for these purposes. But in the majority of Irish towns, as they have no

charter of incorporation, the local affairs are administered by a body of Commissioners, who have powers generally to discharge the usual municipal functions, and are empowered to levy rates to defray the cost of administration.

The *Isle of Man* and the *Channel Islands* are not bound by Acts of the Imperial Parliament unless specially mentioned. The *Isle of Man* is administered in accordance with its own laws by the Court of Tynwald, consisting of the Governor, appointed by the Crown; the Council for Public Affairs, composed chiefly of ecclesiastical and judicial dignitaries appointed by the Crown; and the House of Keys, a representative assembly of 24 members chosen on a property qualification for 7 years by the 6 'sheadings' or local subdivisions, and the 4 municipalities. The *Channel Islands* are administered according to their own laws and customs, each by a Lieut.-Governor, with judicial and other functionaries; and a 'States' Assembly, partly elective. Jersey has a separate legal existence. Guernsey, Alderney, and Sark have a Lieut.-Governor in common, but otherwise their governments are separate.

### Area and Population.

#### I. PROGRESS AND PRESENT CONDITION.

The population was thus distributed at the census, taken April 5, 1891:—

Divisions	Area in sq. miles	Males	Females	Total Population on April 5, 1891
England . . . . .	50,867	13,291,402	14,192,088	27,483,490
Wales . . . . .	7,442	761,499	757,536	1,519,035
Scotland . . . . .	29,785	1,942,717	2,082,930	4,025,647
Ireland . . . . .	32,583	2,318,953	2,385,797	4,704,750
Isle of Man . . . . .	227	26,329	29,279	55,608
Channel Islands . . . . .	75	43,226	49,008	92,234
Army, Navy, and Merchant Seamen abroad	—	224,211	—	224,211
Total . . . . .	120,979	18,608,337	19,496,638	38,104,975

The following table gives the population of those divisions at each of the four decennial censuses previous to 1891:—

Divisions	1851	1861	1871	1881
England . . . . .	16,921,888	18,954,444	21,495,131	24,613,926
Wales . . . . .	1,005,721	1,111,780	1,217,135	1,360,513
Scotland . . . . .	2,888,742	3,062,294	3,360,018	3,735,573
Ireland . . . . .	6,574,271	5,798,967	5,412,377	5,174,836
Isle of Man . . . . .	52,387	52,469	54,042	53,558
Channel Islands . . . . .	90,739	90,978	90,596	87,702
Army, Navy, and Merchant Seamen abroad	212,194	250,356	216,080	215,374
Total, United Kingdom	27,745,942	29,321,288	31,845,379	35,241,482

The decennial rate of increase or decrease (—) per cent. at each of the last five censuses has been as follows:—

—	1851	1861	1871	1881	1891
England and Wales.	12·65	11·93	13·20	14·36	11·65
Scotland . . . . .	10·25	6·01	9·72	11·18	7·76
Ireland . . . . .	-19·85	-11·50	-6·65	-4·40	-9·1
The Islands . . . . .	—	0·22	0·83	-2·34	4·7
	2·5	5·7	8·6	10·75	8·17

If Ireland be excluded from the calculation, it will be found that the rate of increase for the remainder of the United Kingdom was very nearly uniform.

The proportion per cent. of the population living in the various divisions of the United Kingdom was as follows at each of the six decennial censuses from 1841 to 1891:—

Divisions	1841	1851	1861	1871	1881	1891
England . . . . .	55·4	61·0	64·6	67·5	69·8	72·2
Wales . . . . .	3·4	3·6	3·8	3·8	3·8	3·8
Scotland . . . . .	9·7	10·4	10·4	10·6	10·6	10·7
Ireland . . . . .	30·2	23·7	19·8	17·0	14·6	12·5
Isle of Man . . . . .	2	·2	·2	2	·2	·1
Channel Islands . . . . .	·3	·3	·3	·3	·3	·2
Army, Navy, and Merchant Seamen abroad . . . . .	·8	·8	·9	·6	·7	·5

In 1891, in Wales and Monmouthshire 508,036 persons or 28·6 per cent. of the population were returned as able to speak Welsh only, and 402,253, or 22·6 per cent., as able to speak Welsh and English. Thus 910,289, or 51·2 per cent., persons could speak Welsh. In 1881 the number returned was 950,000, or about 70 per cent. In 1891, in Scotland, 43,738, or 1·09 per cent., of the population of Scotland could speak Gaelic only, and 210,677, or 5·23 per cent., could speak Gaelic and English. Thus 254,415, or 6·32 per cent., could speak Gaelic. In 1881 the number was 231,594, or 6·20 per cent. In 1891, in Ireland, 38,121, or ·81 per cent. of the population of Ireland, could speak Irish only, and 642,053, or 13·65 per cent., could speak Irish and English. Thus 680,174, or 14·46 per cent., could speak Irish. In 1881 the number was 949,932, or 18·20 per cent.

The population of the United Kingdom and its divisions (exclusive of army, navy, and merchant seamen abroad) at the end of June, in each of the last ten years, was estimated as follows:—

Year	Total of United Kingdom	England and Wales	Scotland	Ireland
1885	36,015,601	27,220,706	3,856,307	4,938,588
1886	36,313,582	27,522,532	3,885,155	4,905,895
1887	36,599,143	27,827,706	3,914,318	4,857,119
1888	36,881,271	28,136,258	3,943,701	4,801,312
1889	37,178,929	28,448,239	3,973,305	4,757,385
1890	37,484,764	28,763,673	4,003,132	4,717,959
1891	37,797,013	29,082,585	4,033,180	4,681,248
1892	38,106,675	29,403,054	4,063,452	4,638,169
1893	38,440,249	29,731,100	4,093,959	4,615,196
1894	38,779,031	30,060,763	4,124,691	4,593,577

Subjoined is a more detailed statistical account of the population of 1. England and Wales ; 2. Scotland ; 3. Ireland ; and 4. Islands in the British Seas.

### 1. *England and Wales.*

The population of England and Wales was as follows at the ten enumerations, 1801 to 1891 :—

Date of Enumeration	Population	Pop. per sq. mile	Date of Enumeration	Population	Pop. per sq. mile
1801 . . .	8,892,536	153	1851 . . .	17,927,609	308
1811 . . .	10,164,256	175	1861 . . .	20,066,224	345
1821 . . .	12,000,236	207	1871 . . .	22,712,266	390
1831 . . .	13,896,797	139	1881 . . .	25,974,439	446
1841 . . .	15,914,148	274	1891 . . .	29,002,525	498

The following table shows the area in square miles, the total population, and the population per square mile in 1891, of each of the 52 counties of England and Wales :—

Counties, or Shires	Area. sq. miles	Population, 1891.			Pop. per sq. mile
		Males	Females	Total	
<i>England.</i>					
Bedford . . .	466	75,477	85,227	160,704	344.9
Berks . . . . .	722	117,208	121,501	238,709	330.6
Buckingham . . .	743	91,195	94,089	185,284	249.3
Cambridge . . . .	859	92,513	96,448	188,961	220.0
Chester . . . . .	1,027	352,936	377,122	730,058	710.8
Cornwall . . . . .	1,357	149,259	173,312	322,571	237.7
Cumberland . . .	1,516	132,080	134,469	266,549	175.9
Derby . . . . .	1,030	266,011	262,022	528,033	513.1
Devon . . . . .	2,605	297,898	333,910	631,808	242.6
Dorset . . . . .	988	94,735	99,782	194,517	196.8
Durham . . . . .	1,011	517,942	498,617	1,016,559	1,005.5
Essex . . . . .	1,542	390,515	394,930	785,445	509.5



Counties, or Shires	Area sq. miles	Population, 1891			Pop. per sq. mile
		Males	Females	Total	
Gloucester . . . . .	1,243	281,012	318,935	599,947	482·7
Hampshire . . . . .	1,621	337,546	352,551	690,097	425·7
Hereford . . . . .	840	56,090	59,859	115,949	138·0
Hertford . . . . .	635	106,471	113,691	220,162	346·5
Huntingdon . . . . .	366	28,419	29,342	57,761	157·7
Kent . . . . .	1,552	555,718	586,606	1,142,324	736·0
Lancashire . . . . .	1,887	1,889,926	2,036,834	3,926,760	2,080·9
Leicester . . . . .	824	180,044	193,540	373,584	453·3
Lincoln . . . . .	2,646	233,571	239,307	472,878	178·7
Middlesex . . . . .	283	1,522,497	1,729,174	3,251,671	11,490·0
Monmouth . . . . .	534	130,757	121,659	252,416	472·7
Norfolk . . . . .	2,044	219,355	235,161	454,516	222·3
Northampton . . . . .	1,003	149,759	152,424	302,183	301·2
Northumberland . . . . .	2,015	252,283	253,747	506,030	251·1
Nottingham . . . . .	843	214,199	231,624	445,823	528·8
Oxford . . . . .	756	89,649	96,020	185,669	244·1
Rutland . . . . .	152	10,323	10,336	20,659	135·9
Shropshire . . . . .	1,343	116,736	119,603	236,339	175·9
Somerset . . . . .	1,630	225,754	258,583	484,337	297·1
Stafford . . . . .	1,171	540,693	542,715	1,083,408	925·2
Suffolk . . . . .	1,489	180,441	190,794	371,235	249·3
Surrey . . . . .	758	820,993	910,350	1,731,343	2,284·1
Sussex . . . . .	1,458	253,438	297,008	550,446	377·7
Warwick . . . . .	902	388,261	416,811	805,072	892·5
Westmorland . . . . .	783	32,326	33,772	66,098	84·4
Wiltshire . . . . .	1,375	130,662	134,335	264,997	192·7
Worcester . . . . .	751	197,867	215,893	413,760	550·9
York ( <i>E. Riding</i> ) . . . . .	1,171	167,933	173,613	341,546	291·6
„ ( <i>City</i> ) . . . . .	5·6	32,551	34,453	67,004	11,982·9
„ ( <i>N. Riding</i> ) . . . . .	2,128	180,164	180,219	360,383	169·3
„ ( <i>W. Riding</i> ) . . . . .	2,763	1,188,195	1,251,700	2,439,895	883·0
<i>Wales.</i>					
Anglesey . . . . .	275	23,941	26,157	50,098	189·5
Brecon . . . . .	743	28,509	28,522	57,031	76·7
Cardigan . . . . .	689	27,365	35,265	62,630	90·9
Carmarthen . . . . .	919	62,316	68,250	130,566	142·1
Carnarvon . . . . .	564	56,496	61,708	118,204	209·7
Denbigh . . . . .	662	59,569	58,303	117,872	178·0
Flint . . . . .	256	38,242	39,035	77,277	301·8
Glamorgan . . . . .	808	360,250	326,968	687,218	850·5
Merioneth . . . . .	669	21,035	25,177	49,212	73·6
Montgomery . . . . .	797	28,222	29,781	58,003	72·8
Pembroke . . . . .	617	41,685	47,448	89,133	144·4
Radnor . . . . .	470	10,869	10,922	21,791	46·4
Total of England . . . . .	50,840	13,291,402	14,192,088	27,483,490	540·6
Total of Wales . . . . .	7,470	761,499	757,536	1,519,035	203·3
Total of England and Wales . . . . .	58,310	14,052,901	14,949,624	29,002,525	497·4

The number of inhabited houses in England and Wales in 1891 was 5,451,497; uninhabited, 372,184; building, 38,387; against 4,831,519 inhabited; 386,676 uninhabited; and 46,414 building in 1881.

Assuming that the population of urban sanitary districts is urban, and the population outside such districts rural, the following table shows, according to the figures of the preliminary census report, the distribution of the urban and rural population of England and Wales in 1891, and their percentage of increase during the decennium 1881-1891:—

Population of Districts	No. of Districts	Aggregate pop. of districts, 1891	Percentage of entire pop. 1891	Percentage of increase, 1881-1891
250,000 and upwards . . . . .	6	6,375,645	22·0	9·1
100,000—250,000 . . . . .	18	2,793,625	9·6	19·1
50,000—100,000 . . . . .	38	2,610,976	9·0	22·9
20,000— 50,000 . . . . .	120	3,655,025	12·6	22·5
10,000— 20,000 . . . . .	176	2,391,076	8·3	18·9
3,000— 10,000 . . . . .	453	2,609,141	8·9	9·6
Under 3,000 . . . . .	195	367,282	1·3	2·6
Total Urban . . . . .	1,006	20,802,770	71·7	15·3
Rural . . . . .	—	8,198,248	28·3	3·4
Total Population . . . . .	—	29,001,018	100·0	11·65

From these figures it appears that 22 per cent. of the population of England and Wales live in six towns of upwards of 250,000 inhabitants; 31·6 per cent. (in 1881, 29·6 per cent.) in 24 (in 1881, 20) towns of over 100,000 inhabitants; 40·6 per cent. in 62 towns of over 50,000 inhabitants; 53·2 per cent. in 182 towns of over 20,000 inhabitants; and 17,826,347, or 61·5 per cent. in 358 towns of over 10,000 inhabitants. In 1881, 14,626,131, or 56·3 per cent. of the whole population, lived in 303 towns of over 10,000 inhabitants.

In 1891, there were in England and Wales 62 towns with more than 50,000 inhabitants. The following is a list of them with their population in 1881 and 1891, and the increase per cent. during the decennial period. For 33 towns the estimated population in June, 1894, is given as stated in the Registrar-General's Report:—

Cities and Towns	Estimated Population 1894.	Enumerated Population		Increase per cent. 1881-91
		1881	1891	
London (registration) . . . . .	4,349,166	3,815,544	4,211,056	10·4
Liverpool <sup>1</sup> . . . . .	507,230	552,508	517,951	6·3
Manchester <sup>1</sup> . . . . .	520,211	462,303	505,343	9·3
Birmingham . . . . .	492,301	400,774	429,171	7·1
Leeds . . . . .	388,761	309,119	367,506	18·9
Sheffield . . . . .	338,316	284,508	324,243	14·0
Bristol . . . . .	226,578	206,874	221,665	7·1
Bradford <sup>1</sup> . . . . .	223,985	194,495	216,361	11·2
Nottingham . . . . .	223,584	186,575	211,984	13·6
West Ham . . . . .	238,184	128,953	204,902	58·9
Kingston-upon-Hull <sup>1</sup> . . . . .	212,679	165,690	199,991	20·7
Salford . . . . .	205,828	176,235	198,136	12·4
Newcastle-on-Tyne . . . . .	201,947	145,359	186,345	28·2
Portsmouth . . . . .	170,973	127,989	159,255	24·4

Cities and Towns	Estimated Population 1894	Enumerated Population		Increase per cent. 1881-91
		1881	1891	
Leicester	189,136	122,376	142,051	16·1
Oldham	138,755	111,343	131,463	18·1
Sunderland	136,101	116,542	130,921	12·3
Cardiff	148,890	82,761	128,849	55·7
Blackburn	125,797	104,014	120,064	15·4
Brighton	118,715	107,546	115,402	7·3
Bolton	118,303	105,414	115,002	9·1
Preston <sup>1</sup>	111,425	96,537	107,573	11·4
Croydon	111,921	78,811	102,697	30·3
Norwich	105,645	87,842	100,964	14·9
Birkenhead	105,627	84,006	99,184	18·1
Huddersfield <sup>1</sup>	98,511	86,502	95,422	10·3
Derby	98,796	81,168	94,146	16·0
Swansea <sup>1</sup>	95,399	76,430	90,423	18·3
Ystradyfodwg		55,632	88,350	58·8
Burnley <sup>1</sup>	96,478	63,339	87,058	37·4
Gateshead	93,372	65,803	85,709	30·3
Plymouth	87,931	73,794	84,179	14·1
Halifax	92,861	73,630	82,864	12·5
Wolverhampton	85,036	75,766	82,620	9·0
South Shields		56,875	78,431	37·9
Middlesbrough		55,934	75,516	35·0
Walsall <sup>1</sup>		59,402	71,791	20·9
Rochdale		68,866	71,458	3·8
Tottenham		36,574	71,336	95·0
St. Helens		57,403	71,288	24·2
Stockport		59,553	70,253	18·0
Aston Manor		53,842	68,639	27·5
York <sup>1</sup>		61,789	66,984	8·4
Southampton		60,051	65,325	8·8
Leyton <sup>1</sup>		27,026	63,106	133·5
Willesden		27,613	61,266	121·9
Northampton		51,881	61,016	17·6
Reading <sup>1</sup>		48,861	60,054	23·1
West Bromwich		56,295	59,489	5·7
Merthyr Tydfil		48,769	58,080	18·9
Ipswich		50,546	57,260	13·3
Bury <sup>1</sup>		54,717	57,206	4·5
Wigan		48,194	55,013	14·1
Hanley		48,361	54,846	13·4
Devonport		48,939	54,736	11·8
Newport <sup>1</sup> (Mon)		38,469	54,695	42·2
Warrington <sup>1</sup>		42,552	52,742	23·9
Coventry <sup>1</sup>		44,831	52,720	17·6
Hastings		42,258	52,340	23·9
Grimsby <sup>1</sup>		40,010	51,876	29·7
Bath		51,814	51,843	0·1
Barrow-in-Furness <sup>1</sup>		47,259	51,712	9·4
Total		10,294,866	11,759,871	14·2

<sup>1</sup> The areas of these towns were extended in the decennium 1881-91, but in every case the population in 1881 relates to the town as constituted in 1891.

More than one-fourth of the total urban population, and nearly one-seventh of the total population of England and Wales are concentrated in the metropolis. The limits of the metropolis were defined by the Registrar-General, in the census returns of 1891, as consisting of an 'Inner Ring' and an 'Outer Ring,' the former subdivided into a 'Central Area' and 'Rest of Inner Ring.' The following table gives the results of the censuses in 1881 and 1891:—

Divisions of the Metropolis	Population		Rates of Increase (+) or Decrease (-) per cent.	
	1881	1891	1871-81	1881-91
Central Area . . . . .	1,101,994	1,022,529	- 4·6	- 7·2
Rest of 'Inner Ring' . . . . .	2,713,550	3,188,527	+ 29·3	+ 17·5
Inner or Registration London	3,815,544	4,211,056	+ 17·3	+ 10·4
'Outer Ring' . . . . .	951,117	1,422,276	+ 50·5	+ 49·5
'Greater London' . . . . .	4,766,661	5,633,332	+ 22·7	+ 18·2

The night population of the City of London in 1891 was 37,694 (50,652 in 1881); the day population in 1891 was 301,384; in 1881 it was 261,061.

The following is the division of the population aged 10 years and upwards in England and Wales according to occupation in 1891:—

—	Males	Females	Total
Professional class . . . . .	597,739	328,393	926,132
Domestic „ . . . . .	140,773	1,759,555	1,900,328
Commercial „ . . . . .	1,364,377	35,358	1,399,735
Agricultural and fishing class . . . . .	1,284,919	52,026	1,336,945
Industrial class . . . . .	5,495,446	1,840,898	7,336,344
Unoccupied class . . . . .	1,708,713	7,445,660	9,154,373
Total . . . . .	10,591,967	11,461,890	22,053,857

## 2. Scotland.

Scotland has an area of 29,785 square miles, including its islands, 186 in number, with a population (including military in barracks and seamen on board vessels in the harbours), according to the census of 1891, of 4,025,647 souls, giving 135 inhabitants to the square mile.

The following table exhibits the numbers of the population of Scotland at the dates of the several censuses, together with the density per square mile:—

Date of Enumeration	Population	Density per sq. mile	Date of Enumeration	Population	Density per sq. mile
1801	1,608,420	54	1851	2,888,742	97
1811	1,805,864	60	1861	3,062,294	100
1821	2,091,521	70	1871	3,360,018	113
1831	2,364,386	79	1881	3,735,573	125
1841	2,620,184	88	1891	4,025,647	135

The country is divided into 33 civil counties, grouped under eight geographical divisions. The following table gives the results of the census, excluding the military in barracks and the seamen on board vessels in the harbours, on April 5, 1891 :—

Divisions and Civil Counties	Area in sq. miles	Population			Pop. per sq. mile
		Males	Females	Total	
<b>1. Northern.</b>					
Shetland . . .	551	12,190	16,521	28,711	52·1
Orkney . . .	376	14,298	16,155	30,453	80·9
Caithness . . .	686	17,472	19,705	37,177	54·2
Sutherland . . .	2,028	10,395	11,501	21,896	10·8
<b>2. North-Western.</b>					
Ross and Cromarty	3,078	37,279	41,448	78,727	25·5
Inverness . . .	4,088	43,585	46,536	90,121	22·0
<b>3. North-Eastern.</b>					
Nairn . . .	195	4,284	4,871	9,155	46·9
Elgin . . .	476	20,368	23,103	43,471	91·3
Banff . . .	641	29,547	32,137	61,684	96·7
Aberdeen . . .	1,955	135,185	148,851	284,036	145·3
Kincardine . . .	383	17,524	17,968	35,492	92·7
<b>4. East-Midland.</b>					
Forfar . . .	875	125,414	152,321	277,735	317·4
Perth . . .	2,528	57,826	64,359	122,185	47·5
Fife . . .	492	90,527	99,838	190,365	386·9
Kinross . . .	73	3,160	3,513	6,673	91·4
Clackmannan . . .	48	15,834	17,306	33,140	690·4
<b>5. West-Midland.</b>					
Stirling . . .	447	59,478	58,543	118,021	264·0
Dumbarton . . .	241	48,683	49,331	98,014	406·7
Argyll . . .	3,213	36,292	37,793	74,085	23·0
Bute . . .	218	8,211	10,193	18,404	84·4
<b>6. South-Western.</b>					
Renfrew . . .	245	110,520	120,292	230,812	942·0
Ayr . . .	1,128	111,037	115,349	226,386	200·7
Lanark . . .	882	550,847	555,052	1,105,899	1,253·8

Divisions and Civil Counties	Area in sq. miles	Population			Pop. per sq. mile
		Males	Females	Total	
<i>7. South-Eastern.</i>					
Linlithgow . . . . .	120	27,946	24,862	52,808	440·1
Edinburgh . . . . .	362	205,765	228,511	434,276	1,199·7
Haddington . . . . .	271	18,169	19,208	37,377	137·9
Berwick . . . . .	461	15,383	16,967	32,290	70·0
Peebles . . . . .	355	6,912	7,838	14,750	41·6
Selkirk . . . . .	257	12,909	14,803	27,712	107·8
<i>8. Southern.</i>					
Roxburgh . . . . .	665	25,901	28,599	53,500	80·4
Dumfries . . . . .	1,063	34,898	39,347	74,245	69·8
Kirkcudbright . . . . .	898	18,902	21,083	39,985	44·5
Wigtown . . . . .	486	16,976	19,086	36,062	74·2
Total Scotland . . . . .	29,785	1,942,717	2,082,930	4,025,647	135·1

The number of inhabited houses in Scotland in 1891 was 817,568 ; uninhabited, 51,460 ; building, 5,618.

According to parliamentary or police burghs, the population of the larger towns in 1891 was distributed as follows :—

In Towns of	No. of Towns	Inhabitants	Per cent. of Total Population
Over 100,000 . . . . .	4	1,200,374	29·8
Between 50,000 and 100,000 . . . . .	3	198,555	4·9
„ 20,000 and 50,000 . . . . .	9	245,724	6·1
„ 10,000 and 20,000 . . . . .	18	278,002	6·9
Total . . . . .	34	1,922,655	47·7

According to registration districts, the population of the principal towns of Scotland was as follows at the Census of 1891 and in the middle of 1894, as estimated in the Registrar-General's Report :—

Towns	Population 1891	Population 1894	Towns	Population 1891	Population 1894
Glasgow . . . . .	618,471	686,820	Paisley . . . . .	69,295	70,363
Edinburgh . . . . .	264,796	270,588	Greenock . . . . .	63,512	62,400
Dundee . . . . .	155,675	158,719	Perth . . . . .	30,768	30,232
Aberdeen . . . . .	123,327	131,642	Kilmarnock . . . . .	27,968	—
Leith . . . . .	69,885	72,003			

At the Census of 1891 the population of Glasgow, parliamentary and suburban, was 658,198, and the increase (1881-1891) 13·9 per cent.

The total population of these nine towns represented nearly two-fifths of the population of Scotland. In 1881 the total town population was 2,306,852 ; in

the village population, 447,884; and the rural, 980,837. In 1891 the town population was 2,631,291, showing an increase of 14·06 per cent.; the village population was 465,836, the increase being 4·01 per cent.; and the rural 928,513, there being a decrease of 5·33 per cent.

The occupations of the people, according to the census of 1891, were as follows:—

	Males	Females	Total
Professional class . . . . .	75,532	35,787	111,319
Domestic „ . . . . .	13,102	190,051	203,153
Commercial „ . . . . .	170,676	10,276	180,952
Agricultural „ . . . . .	219,042	30,082	249,124
Industrial „ . . . . .	742,036	290,368	1,032,404
Unoccupied and non-productive class . . . . .	722,329	1,526,366	2,248,695
Total . . . . .	1,942,717	2,082,930	4,025,647

3. *Ireland.*

Ireland has an area of 32,531 square miles, or 20,819,982 acres, inhabited, in 1891, by 4,704,750 souls. The following table gives the population of Ireland at different census periods, with the density per square mile:—

Year of Census	Population	Density per sq. mile	Year of Census	Population	Density per sq. mile
1801	5,395,456	166	1851	6,552,385	201
1811	5,937,856	186	1861	5,798,564	178
1821	6,801,827	209	1871	5,412,377	167
1831	7,767,401	239	1881	5,174,836	159
1841	8,175,124	251	1891	4,704,750	144

The subjoined tables give the results of the enumerations in the four provinces of April 3, 1881, and of April 5, 1891, together with the decrease, in numbers and rate per cent., between 1881 and 1891:—

Provinces	1881	1891	Decrease between 1881 and 1891	
			Number	Rate per cent.
Leinster . . . . .	1,278,989	1,187,760	91,229	7·13
Munster . . . . .	1,331,115	1,172,402	158,713	11·92
Ulster . . . . .	1,743,075	1,619,814	123,261	·07
Connaught . . . . .	821,657	724,774	96,883	11·79
Total of Ireland	5,174,836	4,704,750	470,086	9·08

The area and the population of the counties of the four provinces of Ireland at the census of April 5, 1891, are given in the following table:—

Provinces and Counties	Population				Pop. per sq. mile
	Area in sq. miles	Males	Females	Total	
<i>Province of Leinster.</i>					
Carlow County . . . . .	349	20,552	20,384	40,936	117·3
Dublin „ . . . . .	354	197,409	221,807	419,216	1,184·2
Kildare „ . . . . .	654	38,407	31,799	70,206	107·3
Kilkenny „ . . . . .	796	43,468	43,793	87,261	109·6
King's „ . . . . .	772	33,777	31,786	65,563	84·9
Longford „ . . . . .	421	26,681	25,966	52,647	125·0
Louth „ . . . . .	316	35,242	37,796	71,038	224·8
Meath „ . . . . .	906	39,224	37,763	76,987	84·9
Queen's „ . . . . .	664	33,171	31,712	64,883	97·7
Westmeath „ . . . . .	708	33,927	31,182	65,109	91·9
Wexford „ . . . . .	901	54,935	56,843	111,778	124·0
Wicklow „ . . . . .	781	31,054	31,082	62,136	79·5
Total of Leinster . . . . .	7,622	587,847	599,913	1,187,760	155·8
<i>Province of Munster.</i>					
Clare County . . . . .	1,294	63,138	61,345	124,483	96·2
Cork „ . . . . .	2,890	219,988	218,444	438,432	151·7
Kerry „ . . . . .	1,853	91,017	88,119	179,136	96·6
Limerick County . . . . .	1,064	78,607	80,305	158,912	149·3
Tipperary „ . . . . .	1,659	86,807	86,381	173,188	104·4
Waterford „ . . . . .	721	48,054	50,197	98,251	136·2
Total of Munster . . . . .	9,481	587,611	584,791	1,172,402	123·6
<i>Province of Ulster.</i>					
Antrim County . . . . .	1,237	221,448	249,731	471,179	380·9
Armagh „ . . . . .	512	68,370	74,919	143,289	279·8
Cavan „ . . . . .	746	56,772	55,145	111,917	150·0
Donegal „ . . . . .	1,870	91,478	94,157	185,635	99·2
Down „ . . . . .	957	105,334	118,674	224,008	234·1
Fermanagh, „ . . . . .	715	37,344	36,826	74,170	103·7
Londonderry County . . . . .	816	73,260	78,749	152,009	186·2
Monaghan „ . . . . .	500	42,727	43,479	86,206	172·4
Tyrone „ . . . . .	1,260	84,596	86,805	171,401	136·0
Total of Ulster . . . . .	8,613	781,329	838,485	1,619,814	188·1
<i>Province of Connaught.</i>					
Galway County . . . . .	2,452	108,283	106,429	214,712	87·5
Leitrim „ . . . . .	619	39,715	38,903	78,618	127·0
Mayo „ . . . . .	2,126	107,498	111,536	219,034	103·1
Roscommon County . . . . .	949	58,000	56,397	114,397	120·5
Sligo „ . . . . .	721	48,670	49,343	98,013	135·9
Total of Connaught . . . . .	6,867	362,166	362,608	724,774	105·5
Total of Ireland . . . . .	32,583	2,318,953	2,385,797	4,704,750	144·4



The number of inhabited houses at the census of 1891 was 870,578, against 914,108 in 1881, and 961,380 in 1871. The decrease in the decennial period 1881-1891 amounted to 4·7 per cent.

Of uninhabited houses, there were 58,257 at the census of 1881, and 69,320 in 1891, representing an increase of 18·9 per cent. in uninhabited houses; in 1881 there were 1,710 houses building; in 1891 there were 2,602.

The population in 1891 was distributed as follows among the larger towns:—

In Towns of	No. of Towns	Inhabitants	Per cent. of Total Population
Over 100,000 . . . . .	2	500,951	10·7
Between 50,000 and 100,000 . . . . .	1	75,345	1·6
„ 20,000 and 50,000 . . . . .	5	143,272	3·0
„ 10,000 and 20,000 . . . . .	10	124,983	2·6
Total . . . . .	18	844,551	17·9

In Ireland, in 1891, there were only three cities with over 50,000 inhabitants—viz., Dublin, with 245,001, but 361,891 within the metropolitan police district (349,688 in 1881); Belfast, 255,950; Cork, 75,345; Limerick had 37,155 inhabitants; Londonderry, 33,200; Waterford, 20,852.

The population was divided as follows according to occupation in 1891:—

—	Males	Females	Total
Professional class . . . . .	138,971	75,272	214,243
Domestic „ . . . . .	34,490	220,654	255,144
Commercial „ . . . . .	81,012	2,161	83,173
Agricultural „ . . . . .	845,691	91,068	936,759
Industrial „ . . . . .	404,155	252,255	656,410
Indefinite and non-productive . . . . .	814,634	1,744,387	2,559,021
Total . . . . .	2,318,953	2,385,797	4,704,750

4. *Islands in the British Seas.*

The population of the Islands in the British Seas was found to be as follows at the census of April 5, 1891:—

Islands	Area square miles	Population		Population per sq. mile 1891	Increase per cent.
		1881	1891		
Isle of Man . . . . .	220	53,558	55,608	252·7	3·8
Channel Islands	Acres				
Jersey . . . . .	28,717	52,445	54,518	—	4·0
Guernsey, &c. . . . .	12,605	35,257	37,716	—	7·0
Total . . . . .	182,122	141,260	147,842	—	4·7

The following were the numbers of the population of the Islands at each of the four censuses of 1861, 1871, 1881, and 1891 :—

Islands	1861	1871	1881	1891
Isle of Man . . . . .	52,469	54,042	53,558	55,608
Jersey . . . . .	55,613	56,627	52,445	54,518
Guernsey, Herm, and Jethou	29,850	30,685	32,638	35,287
Alderney . . . . .	4,932	2,738	2,048	1,857
Sark and Brechou . . . . .	583	546	571	572
Total . . . . .	143,447	144,638	141,260	147,842

## II. MOVEMENT OF THE POPULATION.

### 1. *Births, Deaths, and Marriages.*

#### *England and Wales.*

Year	Estimated Population	Total Births	Illegitimate	Deaths	Marriages
1888	28,136,258	879,263	40,730	510,690	203,456
1889	28,448,239	885,179	40,627	517,968	213,696
1890	28,763,673	869,937	38,412	562,248	223,028
1891	29,082,585	914,157	38,781	587,925	226,526
1892	29,405,054	897,957	37,581	559,684	227,135
1893	29,731,100	914,189	38,858	569,923	218,251

The proportion of illegitimate births to the total births in 1893 was 4·2 per cent. Having gradually diminished from 7 per cent. in 1845; the minimum rate was 2·8 per cent. in Essex (extra Metropolitan), and the maximum 7·4 in Shropshire. The percentage for London was 3·7. The births and deaths are exclusive of still-born.

The proportion of male to female children born in England during 1893 was as 1,037 to 1,000. But as the former suffer from a higher rate of mortality than the latter, the equilibrium between the sexes is restored about the tenth year of life, and is finally changed, by emigration, war, and perilous male occupations, to the extent that there are 1,000 women, of all ages, to 949 men in England.

*Scotland.*

Year	Estimated Population	Total Births	Illegitimate	Deaths	Marriages
1889	3,973,305	122,770	9,643	73,203	26,318
1890	4,003,132	121,530	9,167	78,978	27,441
1891	4,033,180	125,986	9,647	83,573	27,969
1892	4,063,452	125,011	9,183	75,568	28,637
1893	4,093,959	127,040	9,400	79,641	27,090

The average proportion of illegitimate births in 1893 was 7·4 per cent., the rate varying from 3·3 per cent. in Shetland, 4·8 in Orkney, 4·9 in Ross and Cromarty to 15·1 per cent. in Wigtown. The proportion of male to female births in Scotland in 1893 was 1,048 to 1,000.

*Ireland.*

Year	Estimated Population	Total Births	Illegitimate	Deaths	Marriages
1889	4,756,145	107,841	3,049	82,908	21,521
1890	4,716,996	105,254	2,827	85,850	20,990
1891	4,681,173	108,116	2,900	85,999	21,475
1892	4,638,169	104,234	2,613	90,044	21,530
1893	4,615,190	106,031	2,756	82,822	21,710

The average proportion of illegitimate births in 1893 was 2·6 per cent., the rate varying from 0·7 in Connaught to 3·7 in Ulster. The proportion of male to female births in Ireland in 1893 was 1,050 to 1,000.

*2. Emigration and Immigration.*

There was very little emigration from the United Kingdom previous to 1815, in which year the number of emigrants was no more than 2,081. It rose gradually from 12,510 in 1816, to 34,987 in 1819. In the five years 1820–24 there emigrated 95,030 individuals; in the next five years, 1825–29, the number was 121,084; in 1830–34 it rose to 381,956; but sank again to 287,358 in 1835–39. Between 1815 and 1852 the total number of emigrants was 3,463,592; between 1853 and 1860 it was 1,582,475, of whom 1,312,683 were of British or Irish origin; between 1861 and 1870 it was 1,967,570, of whom 1,571,829 were of British or Irish origin; 1871–80, 2,228,396, of whom 1,678,919 were British or Irish; 1881–1890, 3,555,655, of whom, 2,558,535 were British or Irish; and the total from 1815 to 1893 was 13,761,261. The total emigration of persons of British or Irish origin only, 1853–1893, was 7,759,329; 5,194,930 went to the United States; of these, 2,275,284 were English, 426,275 Scotch, and 2,493,371 Irish.

The following table exhibits the number of persons, natives and foreigners, emigrating from the United Kingdom to British North America, the United States, and Australasia, and the total number—the latter figure including the comparatively small number going to other than these three destinations (32,658 in 1894)—in each of the last five years:—

Year	To British North America	To the United States	To Australasia	Total
1890	31,897	233,522	21,570	315,980
1891	33,752	252,016	19,957	334,543
1892	41,866	235,221	16,183	321,397
1893	50,381	213,212	11,412	307,633
1894	23,731	159,605	11,185	227,179

Of the total in 1893, 187,791 were males, and 119,842 females.

The following shows the number of British emigrants to places out of Europe in the last two years with the increase or decrease (—):—

Year	English	Scotch	Irish	Total United Kingdom
1893	134,045	22,637	52,132	208,814
1894	100,663	14,213	41,930	156,806
Increase or Decrease	-33,382	-8,424	-10,202	-52,008

In the year 1893 there were 141,054 *immigrants*, British and foreign, which, deducted from the total of 307,633 emigrants, left an excess of 166,579 emigrants. As regards persons of British and Irish origin the *immigrants* in 1893 numbered 102,119, which deducted from the total of 208,814 British emigrants, left an excess of 106,695 emigrants of British origin. In 1893 there landed at British ports from the Continent 112,306 aliens, of whom 78,848 were stated to be *en route* to America.

## Religion.

### I. ENGLAND AND WALES.

The Established Church of England is Protestant Episcopal. Its fundamental doctrines and tenets are embodied in the Thirty-nine Articles, agreed upon in Convocation in 1562, and revised and finally settled in 1571. But though the Protestant Episcopal is the State religion, all others are fully tolerated, and civil disabilities do not attach to any class of British subjects.

The Queen is by law the supreme governor of the Church, possessing the right, regulated by the statute 25 Hen. VIII. c. 20,

to nominate to the vacant archbishoprics and bishoprics, the form being to send to the dean and chapter of the vacant see the royal licence, or *congé d'élire*, to proceed to the election, accompanied by the Queen's letter naming the person to be elected ; and afterwards the royal assent and confirmation of the appointment is signified under the Great Seal. But this form applies only to the sees of old foundation ; the bishoprics of Manchester, St. Albans, Liverpool, Truro, Newcastle, and Southwell are conferred direct by letters patent from the Crown. The Queen, and the First Lord of the Treasury in her name, also appoints to such deaneries, prebendaries, and canonries as are in the gift of the Crown.

There are 2 archbishops and 32 bishops in England. The former are the chiefs of the clergy in their provinces, and have also each his own particular diocese, wherein they exercise episcopal, as in their provinces they exercise archiepiscopal, jurisdiction. Under the bishops are 30 deans, 90 archdeacons, and 810 rural deans. For the management of ecclesiastical affairs, the provinces have each a council, or Convocation, consisting of the bishops, archdeacons, and deans, in person, and of a certain number of proctors, as the representatives of the inferior clergy. These councils are summoned by the respective archbishops, in pursuance of the Queen's mandate. When assembled, they must also have the Queen's licence before they can deliberate ; as well as the sanction of the Crown to their resolutions, before they are binding on the clergy ; so that their real power is extremely limited.

The number of civil parishes (districts for which a separate poor rate is or can be made) at the census of 1881 was 14,926. These, however, in many cases, do not coincide with ecclesiastical parishes, which, during the present century, have lost their old importance, the ancient parishes having been cut up in many cases into districts, each of which is virtually an independent parish ecclesiastically. Of such parishes there are about 14,000 ; according to a return of 1882 the Church of England possessed 14,573 registered churches and chapels, in which marriages could be solemnised. Since 1818 the Church Building and the Ecclesiastical Commissioners have formed upwards of 3,000 new ecclesiastical districts. Each parish has its church, presided over by an incumbent or minister, who must be in priest's orders, and who is known as rector, vicar, or perpetual curate, according to his relation to the temporalities of his parish. Private persons possess the right of presentation to about 8,500 benefices ; the patronage of the others belongs mainly to the Queen, the bishops and cathedrals, the Lord Chancellor, and the universities.

of Oxford and Cambridge. The gross income from ancient endowments is returned at 5,469,171*l.*, and from benefactions since 1703, at 284,386*l.* Of the income from ancient endowments, 1,247,827*l.* is from property vested in the Ecclesiastical Commissioners. The total annual income of the Church is estimated at about 7,250,000*l.* The number of clergy of all grades (including assistant curates) belonging to the Church of England actually doing duty in churches is returned in the census of 1891 at 24,232, and if those who fill other functions be added, the total number is probably about 27,000. In the theory of English law every Englishman is a member of the Church of England, but it is estimated that the population of England and Wales actually claiming membership with the Established Church was (1881) about 13,500,000, leaving about 12,500,000 to other creeds. On the basis of the marriage registers 71·6 per cent. of the population belonged to the Established Church, 4·4 per cent. to the Roman Catholic Church, and 24·4 to other bodies.

There are many Protestant Dissenting religious bodies, the most prominent being Methodists of various sects, the Independents or Congregationalists, the Baptists, and the English Presbyterians. The Methodist body, subdivided into members of the Old and New Connexion, Primitive and Free Church Methodists, Bible Christians, and various other sects, possess about 15,000 chapels and 800,000 members ; the Independents or Congregationalists 4,580 churches and stations, 2,730 ministers, and 360,000 members ; the Baptists 3,780 chapels, 1,874 ministers, and 300,000 members, besides in each case the families of members and other adherents. There are altogether 280 religious denominations in Great Britain, the names of which have been given in to the Registrar-General of Births, Deaths, and Marriages, the total number of registered chapels in 1891 being 27,253. According to the census of 1891 there were 10,057 Protestant Dissenting ministers in England and Wales.

The number of Roman Catholics in England and Wales (1891) is estimated at 1,500,000. There are fifteen dignitaries of the Roman Catholic Church in England and Wales—namely, one archbishop and fourteen bishops (besides two coadjutor bishops), as many dioceses, united in the ‘Province of Westminster.’ In December 1894 there were 1,423 Roman Catholic chapels and stations. The number of officiating Roman Catholic clergy at the same date was 2,611 (1,620 in 1871).

The number of Jews in Great Britain and Ireland (exclusive of London) was estimated in 1890 at 25,700, of those in London in 1891 at 67,500.

## II. SCOTLAND.

The Church of Scotland (established in 1560 and confirmed in 1688) is organised on the presbyterian system of government, in which the clergy are all equal, none of them having pre-eminence of any kind over another. There is in each parish a parochial tribunal, called a kirk session, consisting of the minister or clergyman, who acts as president or moderator, and of a number of laymen called ruling elders. There are in all 84 presbyteries, meeting frequently throughout the year, and these again are grouped in 16 synods, which meet half-yearly and can be appealed to against the decisions of the presbyteries. The supreme court of the Scottish Church is the General Assembly, which consists of 386 members, partly clerical and partly lay, chosen by the different presbyteries, boroughs, and universities. It meets annually in May (under the presidency of a moderator appointed by the Assembly, the Sovereign being represented by a nobleman known as Lord High Commissioner), sitting for ten days, the matters not decided during this period being left to a Commission.

The number of parishes, old and new (1894), is 1,353, and the number of churches, chapels, and stations, 1,715; the total number of clergy, with and without charges or appointments, exceeds 1,800. The parishioners are allowed, under certain regulations, to choose their own ministers. The entire endowments of the Church from all sources, including the annual value of the manse and glebes, amount to about 350,000*l.* per annum. Since 1845 members of the Church have erected and endowed churches for 389 new parishes, the value, with endowments, being about 2,250,000*l.* In 1893 voluntary gifts (independently of over 200,000*l.* derived from the interest of invested contributions, grants from two trusts, and pew rents levied in 450 churches) amounted to 359,312*l.* Exclusive of 'adherents,' the Established Church in 1878 had 515,786 members or communicants. In 1893 the number was 612,411.

The Presbyterians not members of the Established Church of Scotland have the same ecclesiastical organisation as that Church. Of these, the largest body is the Free Church of Scotland, formed from the 'Disruption' in 1843, with 1,260 ministers and missionaries, 1,050 churches, 343,069 members or adherents, and claiming as 'population connected with the Free Church, 1,372,060' in 1894. Its income in 1893-94 from all sources at home was 665,420*l.* The aggregate funds raised in Scotland for all purposes during the fifty-two years from the Disruption amount to 24,653,566*l.* Next is the United Presbyterian Church, formed from the

amalgamation of several bodies of seceders, one dating as far back as 1733, with 615 ministers, 573 churches, 48 home mission stations, 188,706 members (besides adherents), and an income in 1893 of 404,206*l.* There are also Baptists, Independents, Methodists, and Unitarians. The Episcopal Church in Scotland, which includes a large portion of the nobility and gentry, has 7 bishops, 268 churches and missions, and 266 clergy, and claims the adherence of about 80,000 of the population.

The Roman Catholics have increased largely of late years, chiefly from the influx of Irish population. The Roman Catholic Church had two archbishops and four bishops in Scotland in 1894, 366 priests, and 340 churches, chapels, and stations. The number of Roman Catholics is estimated at 365,000.

### III. IRELAND.

The Roman Catholic Church in Ireland is under four archbishops, of Armagh, Cashel, Dublin, and Tuam, and twenty-three bishops. On the death of a bishop, the clergy of the diocese nominate a successor to the vacancy, in whose favour they postulate or petition the Pope. The bishops of the province also present the names of two or three eligible persons to the Pope. The new bishop is generally chosen from among this latter number; but the appointment virtually rests with the cardinals. The emoluments of a bishop arise from his parish, which is generally the best in the diocese, from licences of marriage, &c., and from the cathedraicium, a small contribution paid by incumbents of parishes. The incomes of all classes of the Roman Catholic clergy of Ireland arise partly from fees, but principally from Christmas and Easter dues, and other voluntary offerings. In 1891 the Roman Catholic population was returned at 3,547,307, being 10·4 per cent. under the number returned in 1881.

The Church of Ireland (Protestant Episcopal), formerly (1801–1870) in union with the Church of England, ceased to be ‘established by law’ by Act of Parliament (1869) 32 & 33 Vict. cap. 42. It has now (1894) two archbishops, eleven bishops, and 1,500 clergy. It possesses 1,450 churches, 600,000 members, and received in 1893 voluntary contributions amounting to 156,600*l.* Its income previous to disestablishment was 600,000*l.*, and its entire capital estimated at 14,000,000*l.* By the Disestablishment Act 7,500,000*l.* were allotted to it by way of commutation (charged with the payment of annuities amounting to 596,000*l.*), and 500,000*l.* in lieu of private endowments. The Church is governed



by a General Synod—bishops, clergy, and laity having the right to vote separately. There are also 23 diocesan synods.

There were in Ireland, at the census of 1891, 444,974 Presbyterians, 55,500 Methodists, 17,017 Independents, 5,111 Baptists, 3,032 Quakers, 1,798 Jews.

### Instruction.

The following table proves progress in the diffusion of elementary education, by indicating the percentage of persons in England and Wales who signed by mark in the marriage register during each year specified:—

Year	Males	Females	Year	Males	Females
1843	32.7	49.0	1883	12.6	15.5
1853	30.4	43.9	1891	6.4	7.3
1863	23.8	33.1	1892	5.6	6.6
1873	18.8	25.4	1893	5.0	5.7

In London the proportion of men who signed with marks in 1893 was 3.4 per cent., and of women 4.3. Over most of the South-eastern, South Midland, Eastern, South-western, and West Midland counties the proportion of males who signed with marks was greater than females. In the North Midland and Northern counties and in Wales the preponderance is much in favour of the males. The most illiterate counties for men in 1893 were Monmouth 8.8, Buckingham 8.4, Cornwall 8.4, North Wales 8.4, Cambridge 8.0, Suffolk 7.8 per cent. In Scotland, the proportion in 1892 was 3.23 per cent. of men and 4.97 of women. In 1857 the proportion was 12.11 per cent. males to 24.66 females. In Kinross-shire all males and all females, and in Orkney and Peebleshire all males, signed their names. In all the divisions except the N.W., West Midland, and S.W., the proportion was comparatively low. The most illiterate counties by this test are Sutherland, 3.28 per cent. males and 11.48 per cent. females, Ross and Cromarty, 10.41 of males and 30.28 of females, and Inverness with 9.86 and 20.89 per cent. In Ireland the proportion unable to sign the marriage register in 1893 was 18.0 men and 17.3 women. In 1874 the proportion was 30.1 men and 36.4 women. The proportions varied in the various provinces from 14.9 per cent. of the men and 12.6 per cent. of the women in Leinster to 24.6 per cent. of the men and 21.2 per cent. of the women in Connaught.

The highest education is provided for in Great Britain and Ireland by a number of universities and detached colleges. With the exception of Oxford, Cambridge, Durham, Owens College, the Scotch Universities, and Trinity and Queen's Colleges, Ireland,

most of the other institutions have been founded within the last ten years. The following table gives the statistics in most cases for the last term of 1894:—

—	No. of Col-leges	Teach- ing Staff	Students	—	No. of Col-leges	Teach- ing Staff	Students
ENGLAND AND WALES.				SCOTLAND.			
<i>Universities :—</i>				<i>Universities :—</i>			
Oxford . . . . .	23	93	3,256 <sup>2</sup>	Aberdeen . . . . .	1	50	695
Cambridge . . . . .	19	93	2,839 <sup>3</sup>	Edinburgh . . . . .	1	67	2,949 <sup>16</sup>
Durham . . . . .	1	13	196	Glasgow . . . . .	1	85	1,878 <sup>17</sup>
<i>Colleges :—</i>				St. Andrews . . . . .	2	27	199
Aberystwith . . . . .	1	23	330 <sup>3</sup>	<i>College :—</i>			
Bangor . . . . .	1	28	162 <sup>4</sup>	University, Dundee . . . . .	1	19	107
Manchester . . . . .	1	99	891 <sup>5</sup>	IRELAND.			
Newcastle . . . . .	2	51	2,164 <sup>6</sup>	<i>University :—</i>			
Nottingham . . . . .	1	52	442 <sup>7</sup>	Dublin . . . . .	1	67	1,124
Sheffield . . . . .	1	18	290 <sup>8</sup>	<i>Colleges :—</i>			
Birmingham . . . . .	1	49	607 <sup>9</sup>	Queen's, Belfast	1	20	353
Bristol . . . . .	1	47	403 <sup>10</sup>	„ Cork . . . . .	1	20	253
Cardiff . . . . .	1	31	308 <sup>11</sup>	„ Galway . . . . .	1	17	108
Lampeter . . . . .	1	9	129	Total United Kingdom . . . . .			
Leeds . . . . .	1	73	705 <sup>12</sup>	68	1,361	22,347	
Liverpool . . . . .	1	55	386 <sup>13</sup>				
<i>London :—</i>							
University . . . . .	1	105	1,093 <sup>14</sup>				
King's . . . . .	1	140	480 <sup>15</sup>				

<sup>1</sup> Owens College, Manchester, University College, Liverpool, and Yorkshire College, Leeds, are associated together as the Victoria University; and a charter has been granted similarly associating together the Welsh colleges at Aberystwith, Bangor, and Cardiff.  
<sup>2</sup> Undergraduates. <sup>3</sup> Including 132 women. <sup>4</sup> Including 52 women. <sup>5</sup> Including 97 women. There were besides 322 evening students. <sup>6</sup> Numbers in 1892, including evening students. In 1894 the science college had 487 day students (130 women), and 851 evening students. <sup>7</sup> There were also 1,439 evening students. <sup>8</sup> Including evening students. <sup>9</sup> Including 223 women. There were also 426 evening students. <sup>10</sup> Exclusive of 261 evening students. <sup>11</sup> There were also about 1,500 evening students. <sup>12</sup> Exclusive of 411 evening students. <sup>13</sup> Summer term. Of the students 56 were women. <sup>14</sup> Exclusive of school. <sup>15</sup> Exclusive of evening classes, with about 4,000 students. <sup>16</sup> Of these, 140 were women. <sup>17</sup> Of these, 205 were women.

London University is only an examining body, with power to grant degrees to all candidates who pass its examinations: in 1894 it had 77 examiners, and in 1893, 5,835 candidates underwent its various examinations. The Royal University of Ireland holds a similar position in Ireland: in 1894 it had 66 fellows and examiners; in 1894, out of 2,795 who entered its various examinations, 1,578 passed. The Catholic University of Ireland includes, besides University College, Dublin, seven other Catholic colleges. It grants degrees in theology and philosophy, and sends up its students for other degrees to the examinations of the Royal University.

For medical education, besides the faculties attached to some of the universities and colleges, there are medical schools attached to the hospitals of most of the large towns in England. In a few of the colleges female students are admitted. There are, besides, 4 university colleges for ladies:—Newnham College, Cambridge, a staff of 15, and 160 students in 1894; Girton College,

Cambridge, with 6 resident and 29 outside lecturers, and 107 students; and Lady Margaret and Somerville Halls, Oxford, the former with 39 students and the latter with 65 students. There is a similar College (Bedford) for ladies in London with 19 lecturers and 146 students, and another in Edinburgh.

The City and Guilds of London Technical Institute has a Central College with 28 professors, teachers, &c., and 203 students in 1895; an Intermediate College with 30 professors, &c., and 1,008 students (800 evening). There is also a School of Technical Art with 7 teachers and 145 students, and a Leather Trades School with 12 teachers and 240 students.

Middle-class education in England is entirely unorganised, and is mainly left to private enterprise; no complete, trustworthy statistics are available. There are a number of endowed public and grammar schools but over the conduct of these schools Government has no control.

In Scotland, the burgh schools of various names, grammar schools, high schools, &c., are administered by the school boards. There are also endowed schools and schools under private management which give secondary education. In 1894 69 schools were inspected, 28 of them being under school boards, 24 endowed schools, and the remainder under private management. There were 9,833 candidates for leaving certificates, 4,352 being from 64 higher class schools, and the remainder from higher departments of state-aided schools. The total receipts of the higher class public schools in the year ended 15 May, 1894, amounted to 67,536*l.*; this included income from endowments, school fees (33,456*l.*), loans (12,750*l.*) and contributions from burgh or other funds. Under the Education and Local Taxation Account (Scotland) Act, 1892, a sum is available for secondary education.

For Ireland there is an Intermediate Education Board, with a yearly income (original endowment account) of 34,069*l.* in 1893. Its functions are to examine all candidates who present themselves. In 1893 6,974 students (5,265 boys and 1,709 girls) presented themselves for examination, as compared with 5,759 in the previous year, and 6,952 in 1881. In 1893 results fees were paid to the managers of 280 schools.

In connection with the Government Science and Art Department there were in 1893, in addition to classes in ordinary schools for science and art education, 2,754 science schools, with 193,431 pupils. The number of art schools and classes was 1,909, and the number of students 135,807. The Parliamentary vote to the Science and Art Department for 1894-95 was 692,122*l.*, against 64,675*l.* for 1856-57.

Up to the beginning of this century elementary education in England was left almost entirely to the care of the clergy of the Established Church. In 1808 the British and Foreign School Society was founded, and in 1811 the National School Society, the latter being under the authority of the Church. In 1833 Parliament for the first time voted money to aid in the building of schools. In 1839 a Committee of Council on Education was appointed to watch over the distribution of these subventions. In the same year normal schools began to be built and received aid from the Committee of Council. In 1846 subventions were first given to increase the salaries of teachers, and in 1847 Catholic schools were admitted to these benefits. In 1853 grants began to be given to schools according to the number of pupils in attendance, and in 1862 the grants were made to depend on examination results.

The Elementary Education Act of 1870 and subsequent amending Acts now regulate elementary education in England and Wales. The central administrative authority resides in the Education Department or Committee of Council on Education, consisting of Lords of the Privy Council with the President of the Privy Council as President, and a member of the Privy Council as Vice-President who represents the department in the House of

Commons. Sufficient school accommodation must be provided in every district for all the resident children between the ages of 5 and 14. The boroughs and parishes are, unless the educational requirements are otherwise supplied, formed or grouped into school districts each with its elected school board which may compel parents to send their children to school. In boroughs and parishes where school boards are not required school attendance committees are appointed to enforce the attendance of children. On April 1, 1894, there were in England and Wales 2,392 school boards embracing a population of 19,620,379, and 772 school attendance committees embracing a population of 9,382,146. The obligatory subjects are reading, writing, arithmetic, and (for boys) drawing, or (for girls) needlework. Optional subjects are singing, geography, science, algebra, modern languages, cookery, &c. In board schools unsectarian religious instruction is given; in voluntary schools sectarian doctrines may be inculcated. There are 7 standards and each pupil should pass one standard every year. The minimum age for exemption from school attendance is 11. A "code" providing in detail for the regulation of schools is annually prepared by the department and submitted to Parliament. In 1891, by a fee grant of ten shillings for each child between 3 and 15 years of age in average attendance, to be paid on certain conditions to managers of public elementary schools, education was rendered practically free in England and Wales.

The following table includes the total number of Voluntary and Board day-schools under inspection during the last 5 years;—

Years ended August 31	Schools Inspected	Accommodation	Average Attendance	Children of School Age (5—14)
1889 . . .	19,310	5,440,441	3,682,625	6,042,940
1890 . . .	19,419	5,539,285	3,717,917	6,124,519
1891 . . .	19,508	5,628,201	3,749,956	6,636,984 <sup>1</sup>
1892 . . .	19,515	5,692,975	3,870,774	6,070,202
1893 . . .	19,577	5,762,617	4,100,030	6,130,903

<sup>1</sup> Age 5—15. The numbers for 1891-93 are calculated from census results of 1891; the earlier estimates being from census results of 1881.

On August 31, 1893, there were in England and Wales 4,904 Board schools; 11,894 National Society Schools; 525 Wesleyan; 961 Roman Catholic; 1,293 British, Undenominational, and others. In the same year there were 49,340 certificated teachers, 25,123 assistant teachers, 27,288 pupil teachers. In 1894 there were 44 residential and 14 day training colleges with 4,281 students.

The School Inspectors are appointed by the Crown on the recommendation of the Education Department.

In Scotland from 1595 to 1872 elementary education was regulated by the Act of James VI. which ordained that every parish should have a school supported by revenues derived from the land, the teachers being appointed on the recommendation of the Presbyterian ministers. By the Elementary Education Act of 1872, the Scotch Education Department was instituted, and each burgh and parish or group of parishes was required to have a school board to administer both elementary and middle-class schools, and to enforce the attendance of children from 5 to 14 years of age. In 1889, by a capitation grant, education was made free for the compulsory standards; in 1891 an age limit, 5 to 14, was introduced. The following table includes the total number of day schools inspected in Scotland during the last 5 years:—

Years ended 30 September	Schools Inspected	Accommodation	Average Attendance	Children of School Age (5—14)
1889 . . .	3,116	706,085	503,100	841,982
1890 . . .	3,076	714,865	516,046	850,949
1891 . . .	3,105	732,735	538,365	835,175 <sup>1</sup>
1892 . . .	3,030	736,511	538,678	846,582
1893 . . .	3,004	737,797	542,851	853,354

<sup>1</sup> The numbers for 1891-93 are calculated from census results of 1891, earlier years from census of 1881.

In 1893 there were, in all, 3,105 schools, of which 2,679 were public schools, 46 Church of Scotland, 17 Free Church, 74 Episcopal, 177 Roman Catholic, and 112 Undenominational. In the same year there were 8,325 certificated teachers and 3,775 pupil teachers. In 1894 there were 7 training colleges with 939 students.

Elementary education in Ireland, since 1845, is under the superintendence of a body of 'Commissioners of National Education in Ireland.' The following table gives statistics of elementary schools for five years:—

Year ended Dec. 31	Schools in Operation	Average on Rolls	Average Attendance	Children of School Age (5-13) Census 1891
1889	8,251	839,603	507,865	—
1890	8,298	828,520	489,144	—
1891	8,346	824,818	506,336	939,694
1892	8,403	815,972	495,254	939,694
1893	8,459	832,545	527,060	939,694

Of 8,418 schools regarding which returns had been received, 3,833 were mixed Roman Catholic and Protestant; 3,485 were Roman Catholic; and 1,100 were Protestant. On December 31, 1893, there were 8,253 teachers and 3,333 assistants, with 690 students in the 5 training colleges.

The sums expended in Great Britain from Parliamentary grants for primary schools, and in Ireland from Parliamentary grants and rates, amounted in five years to:—

—	1890	1891	1892	1893	1894
	£	£	£	£	£
England . . .	3,333,512	3,422,628	4,280,026	5,652,139	5,989,658
Scotland . . .	501,537	536,511	558,170	872,924	886,710
Gt. Britain (var.)	424,031	432,987	453,389	471,848	491,678
Ireland . . .	902,391	955,976	969,445	1,108,753	1,194,129
United Kingdom	5,161,471	5,348,102	6,261,030	8,105,664	8,562,175

In addition to the grant these schools derive an income from endowments, school fees, local rates, voluntary subscriptions, and other sources. The total income of the elementary schools inspected in England and Wales in 1893 was 8,586,057*l.*; in Scotland, 1,286,027*l.*; and in Ireland that of the schools under the Commissioners of National Education was (1894) 1,221,506*l.*

## Justice and Crime.

### ENGLAND AND WALES.

The principal courts having criminal jurisdiction are the petty sessional courts, the general or quarter sessions, the courts of oyer and terminer and gaol delivery, more popularly known as 'assizes,' and the Central Criminal Court. Two or more justices of the peace sitting in a petty sessional court house, the Lord Mayor or any alderman of the City of London, or any metropolitan or borough police magistrate or other stipendiary magistrate sitting in a court house, constitute a petty sessional court. The courts of quarter sessions are held four times a year by the justices of the county. Similar courts can be held at other times, and are then called 'general sessions.' Two justices constitute a court, but usually a larger number attend. Certain boroughs have a court of quarter sessions, with similar jurisdiction to the county justices in quarter sessions assembled, in which the recorder of the borough is the judge. The assize courts are held four times a year in various towns throughout the country by 'commissioners' nominated by the Crown. These commissioners are generally judges of the Queen's Bench Division of the High Court of Justice, but sometimes Queen's Counsel of good standing are appointed. The trial takes place before a single commissioner. The Central Criminal Court is the court of oyer and terminer and gaol delivery for the City of London and a large surrounding district. The sessions of this court are held at least twelve times a year, and more often if necessary. The Recorder and the Common Serjeant, and, if the number of the prisoners makes it necessary, the judge of the City of London Court, sit on the first two days, after which they are joined by the judges of the High Court on the rota, for whom the more serious cases are reserved. A petty sessional court deals summarily with minor offences. Cases of a more serious nature are usually investigated by a petty sessional court before being tried at the sessions or the assizes. To every sessions, assize, and to every sitting of the Central Criminal Court the sheriff cites 24 of the chief inhabitants of the district, of whom not less than 12 and not more than 23 are sworn and constitute a grand jury. The grand jury examines the bill of indictment against the accused person, hears the evidence of witnesses for the prosecution, and if they think a *prima facie* case for trial is made out they endorse the bill 'a true bill.' All criminal trials, except those which come before a court of summary jurisdiction, take place before a judge and a petty jury of twelve men. Except on some highly technical point of procedure there is no appeal in criminal cases. No man can be tried again for the same crime after a petty jury has found him 'not guilty.' On a conviction the judge can, if he think fit, reserve a question of law (but not of fact) for the Court for Crown Cases Reserved. This Court is formed by five or more judges of the High Court, and can reverse, amend, or affirm the judgment. The only other method of securing the revision of a sentence is by the royal prerogative, exercised on the advice of the Home Secretary, by which a sentence can be modified or annulled. Nominally all the judges are appointed by the Queen, but in practice the Lord Chancellor (who is a Cabinet minister, ex-officio president of the House of Lords, and goes out with the ministry) and the Lord Chief Justice are appointed on the recommendation of the Prime Minister, and all the other judges on the recommendation of the Lord Chancellor.

### SCOTLAND.

The High Court of Justiciary is the supreme criminal court in Scotland. It consists of all the judges of the Court of Session, and sits more or less frequently, as the number of cases before it may require, in Edinburgh or in the circuit towns. One judge can, and usually does, try cases, but two or more preside in cases of difficulty or importance. It is the only competent court in

cases of treason, murder, robbery, rape, fire-raising, deforcement of messengers, and generally in all cases in which a higher punishment than imprisonment is by statute directed to be inflicted ; and it has moreover an inherent jurisdiction to punish all criminal acts, both those already established by common law or statute, and such as have never previously come before the courts and are not within any statute.

The sheriff of each county is the proper criminal judge in all crimes occurring within the county which infer only an arbitrary punishment, and if the case is tried with a jury the High Court has no power of review on the merits. Even in cases indicted to the High Court the accused is, under the Criminal Procedure (Scotland) Act of 1887, regularly asked to plead in the sheriff court, and minor objections to the indictment can be wholly or in part disposed of there. Borough magistrates and justices of the peace have jurisdiction in petty cases occurring within the burgh or county, and in a number of minor offences under various statutes.

IRELAND.

In Ireland persons charged with crime are first brought before the petty sessions court, which must consist of at least two ordinary justices of the peace, one of whom *may be* a stipendiary—commonly called a resident magistrate. Then if the charge be trifling it may be disposed of, the prisoner, if convicted, having a right of appeal to the quarter sessions or recorder's court (according as it is in a borough or in the county), provided he is fined more than twenty shillings or sentenced to a longer imprisonment than one month (Petty Sessions Act, sec. 24). If the charge be of a more serious character it must either be dismissed or sent for trial to the quarter sessions or recorder's court, or to the assizes, as in England. There is this difference, however, between quarter sessions in Ireland and in England : in England they are presided over by an unpaid chairman, who need not be a lawyer and who is elected by his fellow justices of the peace for the county ; while in Ireland they are presided over by a paid official, who must be a barrister, whose decision on points of law binds the court, who is appointed by the Crown, and who is also judge of the civil bill court of the county, which corresponds to the English county court. The assizes are presided over by one of the common law judges of the High Court of Justice. In the quarter sessions, recorder's court, and assizes the trial is by jury in all cases save appeals from petty sessions. Under the Crimes Act witnesses and persons suspected of crime may be interrogated before a secret court of inquiry ; but admissions then made are not evidence against the persons making them. Prisoners may be convicted before two resident magistrates specially appointed to hear cases under the Crimes Act, and in cases where the sentence exceeds a month, convicted persons have a right of appeal to the county chairman at quarter sessions.

The number of criminal offenders committed for trial and convicted, in each of the three kingdoms, was as follows in the years 1889-93 :—

*England and Wales.*

Year	Committed for Trial			Convicted
	Males	Females	Total	
1889	10,192	1,907	12,099	9,348
1890	10,075	1,899	11,974	9,242
1891	9,837	1,858	11,695	9,055
1892	10,492	1,724	12,216	9,607
1893	10,648	1,646	12,296	9,797

*Scotland.*

Year	Committed for Trial			Convicted
	Males	Females	Total	
1889	1,833	417	2,250	1,737
1890	1,909	403	2,312	1,825
1891	1,969	384	2,353	1,822
1892	1,871	381	2,252	1,778
1893	2,010	384	2,394	1,903

*Ireland.*

Year	Committed for Trial			Convicted
	Males	Females	Total	
1889	1,801	380	2,181	1,225
1890	1,728	333	2,061	1,193
1891	1,714	398	2,112	1,255
1892	1,761	270	2,031	1,196
1893	1,994	245	2,239	1,378

The following table shows the strength of the police force in England and Wales, Scotland, and Ireland :—

Year	England and Wales	Scotland	Ireland	Year	England and Wales	Scotland	Ireland
1880	31,488	3,484	12,579	1891	39,673	4,228	13,840
1889	37,957	4,038	13,951	1892	40,596	4,400	13,630
1890	39,221	4,103	13,921	1893	41,164	4,488	13,463

**Pauperism.**

There is a Poor Law, under a variety of statutes, applicable to the Three Kingdoms, by which paupers, under certain conditions, are to be relieved in their own houses or lodged in workhouses or poor-houses built for the purpose. The law is administered by the Local Government Board, through Boards of Guardians elected for the purpose. For the administration of the law the country is divided into a number of unions or parishes. The funds are obtained in the different parishes or unions by means of a poor-rate levied on the occupiers of property of all kinds, determined by the local authorities accordingly.

The following table shows the total amount expended in relief of the poor for the last five years (ended March 25 for England and Ireland, and May 14 for Scotland) :—



Year	England & Wales	Scotland	Ireland	Total U.K.
	£	£	£	£
1889	8,366,477	882,836	1,022,753	10,272,066
1890	8,434,345	874,389	1,029,708	10,338,442
1891	8,643,318	880,458	1,041,980	10,565,756
1892	8,847,678	912,838	1,054,400	10,814,916
1893	9,217,514	926,544	1,039,230	11,183,288

The number of paupers, exclusive of vagrants and 'casual poor' in receipt of relief in the several unions and parishes of England and Wales was as follows on January 1 of the last five years:—

January 1	Number of Unions and Parishes	Adult Able-bodied Paupers	All other Paupers	Total
1890	647	97,745	689,800	787,545
1891	648	98,794	676,111	774,905
1892	649	99,534	654,951	754,485
1893	649	107,178	669,280	776,458
1894	649	116,478	695,963	812,441

The number of registered paupers and their dependents, exclusive of casual poor, who were in receipt of relief in parishes of Scotland on January 14 of the last five years, is shown in the subjoined table:—

Year	Number of Parishes	Paupers	Dependents	Total
1890	886	61,466	33,428	94,894
1891	886	60,751	32,538	93,289
1892	886	60,482	32,569	93,051
1893	886	60,554	32,731	93,285
1894	886	61,869	33,199	95,068

The subjoined table gives the number of indoor and outdoor paupers, and the total—including others in blind and deaf and dumb asylums—in receipt of relief in unions in Ireland at the close of the first week in January in each of the last five years:—

Year (January)	Indoor Paupers	Outdoor Paupers	Total including Asylums
1890	44,653	62,213	107,774
1891	42,601	63,426	107,129
1892	42,018	60,709	103,839
1893	42,755	59,001	102,865
1894	43,685	59,170	104,031

## Finance.

## I. REVENUE AND EXPENDITURE.

The following tables show the total amounts of the estimated and actual Imperial revenue and expenditure of the United Kingdom for the year ended March 31, 1880, and the five years ended March 31, 1894 :—

Year ended March 31	REVENUE		
	Estimated in the Budgets	Actual Receipts into the Exchequer	More (+) or less (-) than Estimates
	£	£	£
1880	81,161,000	79,344,098	- 1,816,902
1890	86,150,000	89,304,316	+ 3,154,316
1891	87,610,000	89,489,112	+ 1,879,112
1892	90,430,000	90,994,786	+ 564,786
1893	90,453,000	90,395,377	- 57,623
1894	91,640,000	91,133,410	- 506,590

Year ended March 31	EXPENDITURE		
	Budget and Supplementary Estimates	Actual Pay- ments out of the Exchequer	More (+) or less (-) than Estimates
	£	£	£
1880	84,105,871	82,184,797	- 1,921,074
1890	86,723,168	86,083,314	- 639,854
1891	88,511,943	87,732,855	- 779,088
1892	90,924,036	89,927,773	- 996,263
1893	91,069,560	90,375,365	- 694,195
1894	92,056,068	91,302,846	- 753,222

The following table (derived from the two preceding) shows the differences (surplus or deficit) between revenue and expenditure in 1880 and the last five years :—

Year Ended March 31	Surplus (+) or Deficit (-)	Year Ended March 31	Surplus (+) or Deficit (-)
	£		£
1880	- 2,840,699	1892	+ 1,067,013
1890	+ 3,221,002	1893	+ 20,012
1891	+ 1,756,257	1894	- 169,436

The Imperial revenue is derived mainly from taxation (under the first six heads of the following table), which in 1893-94 produced 75,427,000*l.*, or 82·7 per cent. of the whole. The remaining sixth is subdivided into five heads as below (vii.—xi).

Sources of REVENUE	Year ending March 31, 1894.			Budget <sup>3</sup> Estimate 1894-95
	Net Receipts		Exchequer <sup>1</sup> Receipts	
	£	£	£	£
i. Customs—				
Tobacco . . . . .	10,119,952			
Tea . . . . .	3,493,094			
Rum . . . . .	1,938,181			
Brandy . . . . .	1,364,059			
Other spirits . . . . .	828,446			
Wine . . . . .	1,210,142			
Currants . . . . .	120,797			
Coffee . . . . .	165,985			
Raisins . . . . .	189,160			
Other articles . . . . .	268,882			
		19,698,698	19,707,000	20,010,000
ii. Excise—				
Spirits . . . . .	15,189,345			
Beer . . . . .	9,536,948			
Licence duties . . . . .	234,564			
Railways . . . . .	279,093			
Other sources . . . . .	6,911			
		25,246,861	25,200,000	26,240,000
iii. Stamps (excluding Fee Stamps, &c.)—				
Probate duty . . . . .	2,363,059			
Legacy duty . . . . .	2,736,564			
Estate duty—				
Personalty . . . . .	1,069,183			
Realty . . . . .	163,045			
Succession duty . . . . .	1,246,945			
Deeds . . . . .	2,277,434			
Receipts . . . . .	1,166,772			
Bills of exchange . . . . .	646,813			
Patent medicines . . . . .	213,210			
Licences, &c. . . . .	165,167			
Companies' capital duty . . . . .	131,466			
Marine insurances . . . . .	139,004			
Other sources . . . . .	464,970			
		12,783,632	12,860,000	14,080,000
iv. Land Tax . . . . .	—	1,003,111	1,035,000	1,030,000
v. House Duty . . . . .	—	1,440,628	1,425,000	1,440,000
vi. Income and Property Tax . . . . .	—	15,342,363	15,200,000	15,530,000
Total Produce of Taxes . . . . .	—	75,515,293	75,427,000	78,330,000
vii. Post Office . . . . .	—	10,472,876	10,470,000	10,570,000
viii. Telegraph service . . . . .	—	2,534,264	2,540,000	2,620,000
ix. Crown Lands . . . . .	—	519,074 <sup>2</sup>	420,000	420,000

<sup>1</sup> That is, revenue actually paid into the Exchequer between April 1, 1893, and March 31 1894.

<sup>2</sup> Gross receipts from which fall to be deducted the cost of collection and other outgoings.

<sup>3</sup> The estimates of revenue include 1,340,000*l.* from the increase of the beer and spirit duties; 1,000,000*l.* from increase of death duties; 1,780,000*l.* from additional penny in *£* to income tax, *minus* 1,450,000*l.* loss from reliefs; 260,000*l.* from Suez Canal dividends; and 280,000*l.* from payment from Naval Defence account.

Sources of REVENUE	Year ending March 31, 1894			Budget Estimate 1894-95
	Net Receipts		Exchequer <sup>1</sup> Receipts	
	£	£	£	£
x. Interest on Purchase-money of Suez Canal Shares, &c. . . . .	—	218,630	218,630	396,000
xi. Miscellaneous—				
Fee Stamps . . . . .	—		870,844	
Civil Departments . . . . .	—		484,092	
Treasury Chest . . . . .	—		314,787	
Bank of England . . . . .	—		169,767	
Post Office Savings Banks . . . . .	—		29,922	
Various . . . . .	—		188,368	
		2,005,101	2,057,780	1,839,000
Total non-tax Revenue . . . . .	—	15,749,945	15,706,410	15,845,000
Total Revenue . . . . .	—	91,265,238	91,133,410	94,175,000

<sup>1</sup> That is, revenue actually paid into the Exchequer between April 1, 1893, and March 31, 1894.

The national expenditure falls under three categories: (1) the Consolidated Fund Charges, 28,309,767*l.*, mainly bestowed on the National Debt, but including 1,428,571*l.* for the Naval Defence Fund; (2) the Army and Navy Supply Services, 31,988,000*l.*; and (3) the Civil and Miscellaneous Services, including expense of collection of the revenue, 31,005,079*l.*, for 1893-94.

Branches of EXPENDITURE	Year ending March 31, 1894		Budget Estimate 1894-95
	£	£	£
i. National Debt Services:—			
Interest of Funded Debt . . . . .	16,132,688		
Terminable Annuities . . . . .	6,393,504		
Interest of Unfunded Debt . . . . .	468,305		
Management of Debt . . . . .	178,911		
New Sinking Fund . . . . .	1,826,592		
		25,000,000	25,000,000
Suez Canal Exchequer Bonds . . . . .	—	200,000	—
ii. Naval Defence Fund . . . . .	—	1,428,571	—
iii. Other Consolidated Fund Services:—			
Civil List . . . . .	407,301		
Annuities to Roy. Fam. . . . .	187,796		
Co. of Just., Salaries, &c. . . . .	619,759		
Pensions, Annuities, and Miscellaneous . . . . .	466,339		

Branches of EXPENDITURE	Year ending March 31 1894		Budget Estimate 1894-95
	£	£	£
Total Consolidated Fund		1,681,195	1,653,000
Services . . . . .	—	28,309,767	26,653,000
iv. Army . . . . .	17,939,700		
v. Ordnance Factories . . . . .	300		
		17,940,000	18,006,000
vi. Navy . . . . .	—	14,048,000	17,296,000
vii. Civil Services . . . . .	—	18,226,091	18,688,000
viii. Customs and Inland Revenue	—	2,670,988	2,677,000
ix. Post Office . . . . .	—	6,721,000	7,038,000
x. Telegraph Service . . . . .	—	2,664,000	2,777,000
xi. Packet Service . . . . .	—	723,000	749,000
Total Supply Services . . . . .	—	62,993,079	67,231,000
Total Expenditure . . . . .	—	91,302,846	93,884,000
Surplus Income . . . . .	—	169,436	291,000

The estimates for the financial year ending March 31, 1895, have for comparison been embodied with the two preceding general tables.

#### FURTHER DETAILS OF THE BUDGET.

*Army.*—The net cost of the British army, according to the estimates for 1894-95, is 18,080,900*l.* Including appropriations in aid, amounting to 2,923,490*l.*, the gross estimate was 21,004,390*l.* The following table shows the net estimates for 1894-95, as compared with those for 1893-94 :—

#### ARMY ESTIMATES.

I. EFFECTIVE SERVICES :—	1893-94	1894-95
<i>Regular forces and army reserve :</i>	£	£
General staff and regimental pay, &c. . . . .	5,127,424	5,174,490
Chaplains' department . . . . .	58,752	58,160
Staff of military prisons, &c. . . . .	29,484	30,350
Army reserve . . . . .	660,740	718,000
<i>Medical Establishments</i> . . . . .	288,200	290,000

	1893-94 £	1894-95 £
<i>Auxiliary forces :</i>		
Militia . . . . .	560,000	600,000
Yeomanry cavalry . . . . .	74,400	74,400
Volunteer corps . . . . .	786,000	804,000
<i>Commissariat :</i>		
Transport and remounts . . . . .	623,000	631,100
Provisions, forage, &c. . . . .	2,622,400	2,732,200
Clothing . . . . .	790,600	789,600
Warlike and other stores . . . . .	1,827,400	1,807,000
<i>Works, buildings, &amp;c., with superintending</i>	789,600	832,600
<i>Various :</i>		
Military education . . . . .	114,400	114,500
Miscellaneous services . . . . .	126,300	130,600
War Office . . . . .	257,800	257,600
Total effective services . . . . .	14,736,500	15,044,600
II. NON-EFFECTIVE SERVICES :—		
<i>Officers, &amp;c. :</i>		
Rewards for distinguished services . . . . .	10,400	10,350
Half pay . . . . .	72,600	75,700
Retired pay and gratuities . . . . .	1,259,016	1,251,449
Widows' pensions and allowances . . . . .	132,359	131,295
Pensions for wounds . . . . .	12,226	12,402
Retired allowances, auxiliary forces . . . . .	37,599	35,204
<i>Non-commissioned officers and men, &amp;c. :</i>		
In-pensions . . . . .	31,697	31,760
Out-pensions . . . . .	1,345,250	1,314,900
Rewards for distinguished services . . . . .	5,740	5,510
Widows' pensions, &c. . . . .	2,713	3,030
Superannuation allowances, &c. . . . .	156,700	164,700
Total non-effective services . . . . .	3,066,300	3,036,300
Total effective and non-effective services	17,802,800	18,080,900
Net increase, 1894-95 . . . . .	—	278,100

*Navy.*—The net cost of the Navy, according to the estimates for 1894-95, is 17,366,100*l.* Including appropriations in aid, amounting to 1,005,613*l.*, the gross estimate was 18,371,713*l.* The following table shows the net estimates for 1894-95, as compared with those for 1893-94 :—

	1893-94 £	1894-95 £
<b>I. EFFECTIVE SERVICES.</b>		
Wages of Officers and Seamen and Royal Marines	3,620,800	3,918,500
Victualling and Clothing . . . . .	1,260,700	1,402,100
Medical Establishments . . . . .	133,000	143,900
Martial Law . . . . .	10,900	10,600
Educational Services . . . . .	80,500	79,100
Scientific Services . . . . .	59,300	61,600
Royal Naval Reserves . . . . .	172,000	205,800
Shipbuilding, Repairs, &c. . . . .	4,719,000	6,986,000
Naval Armaments . . . . .	1,315,200	1,383,200
Works, Buildings, &c. . . . .	380,000	650,000
Miscellaneous Services . . . . .	160,100	173,800
Admiralty Office . . . . .	231,000	231,200
<b>Total effective services . . . . .</b>	<b>12,142,500</b>	<b>15,245,800</b>
<b>II. NON-EFFECTIVE SERVICES.</b>		
Half-pay, Reserved, and Retired Pay . . . . .	768,700	757,000
Naval Pen-sions, &c. . . . .	956,400	990,400
Civil Pensions, &c. . . . .	312,220	312,600
<b>Total non-effective services . . . . .</b>	<b>2,037,320</b>	<b>2,060,000</b>
<b>III. EXTRA COLONIAL ESTIMATE.</b>		
Additional Annuity, for service in Australasian waters . . . . .	60,300	60,300
<b>Grand total . . . . .</b>	<b>14,240,100</b>	<b>17,366,100</b>
<b>Net Increase, 1894-95 . . . . .</b>		<b>3,126,000</b>

*Civil Services.*—The following is an abstract of the Civil Service estimates for 1894-95, showing the more important items of expenditure :—

	£	£
<b>I. Public Works and Buildings . . . . .</b>	<b>1,737,720</b>	Reformatories, Great Brit. 273,117
		Other expenses . . . . . 158,590
		Scotland :—
<b>II. Salaries, &amp;c., Civil Departments :</b>		Courts of Justice, &c. . . . . 81,998
U. K. and England . . . . .	1,726,276	Prisons . . . . . 91,700
Scotland . . . . .	60,233	Other expenses . . . . . 46,156
Ireland . . . . .	253,484	Ireland :—
<b>Total . . . . .</b>	<b>2,039,993</b>	Supreme Court of Judicature 115,800
		Land Commission . . . . . 66,662
		County Court Officers, &c. 118,879
		Police and Constabulary . 1,368,249
<b>III. Law and Justice :</b>		Prisons . . . . . 126,021
U. K. and England :—		Reformatories, &c. . . . . 111,095
Sup. Court of Judicature 327,874		Other expenses . . . . . 173,185
County Courts . . . . . 30,062		<b>Total . . . . .</b>
Police . . . . . 54,435		<b>3,754,962</b>
Prisons, Eng. and Col. 611,139		

IV. *Education, Science and Art:*

U. K. and England:—	£
Public Education . . . . .	6,525,589
Science and Art Dept. . . . .	692,122
British Museum . . . . .	154,279
National Galleries . . . . .	15,193
Universities and Colleges, Great Britain . . . . .	86,104
Scientific Investigation . . . . .	26,247
Scotland:—	
Public Education . . . . .	1,030,449
National Gallery . . . . .	4,050
Ireland:—	
Public Education . . . . .	1,099,792
National Gallery . . . . .	2,400
Queen's Colleges, &c. . . . .	5,955
<b>Total . . . . .</b>	<b>9,642,180</b>

V. *Foreign and Colonial Services:*

	£
Diplomatic and Consular . . . . .	431,235
Colonial . . . . .	133,925
Other services . . . . .	70,313
<b>Total . . . . .</b>	<b>635,473</b>

VI. *Non-Effective and Charitable Services . . . . .*

	£
	686,486

VII. *Miscellaneous . . . . .*

	£
	191,405

Grand Total 1894-95 . 18,688,219

Grand Total 1893-94 . 18,143,561

Net increase 1894-95 . 544,658

In addition to the ordinary expenditure above given, there were issues to meet expenditure under the Imperial Defence Act, 1888, 37,000*l.*; Barracks Act, 1890, 680,000*l.*; Telegraph Act, 1892, 160,000*l.* These issues were in the main replaced by sums borrowed under the several Acts, and paid into the Exchequer. The amount of the surplus of the previous year (the 'Old Sinking Fund'), 20,012*l.*, was issued from the Exchequer and applied in reduction of debt. Besides the foregoing items, there were a few minor receipts into and issues from the Exchequer account; which is also swollen by cross entries in respect of sums borrowed and paid off during the year. The balance in the Exchequer on April 1, 1893, was 5,082,534*l.*; the gross receipts into the Exchequer in the year 1893-94 amounted to 123,096,855*l.*; the gross issues out of the Exchequer in the year 1893-94 amounted to 122,202,270*l.*, leaving a balance on March 31, 1894, of 5,977,119*l.*

## II. TAXATION.

The revenue derived from the most important of direct taxes, that upon incomes, was as follows in the last ten years:—

Year ending March 31	Tax per £	Annual Ex- chequer Receipt	Year ending March 31	Tax per £	Annual Ex- chequer Receipt
1885	6 <i>d.</i>	12,000,000	1890	6 <i>d.</i>	12,770,000
1886	8 <i>d.</i>	15,160,000	1891	6 <i>d.</i>	13,250,000
1887	8 <i>d.</i>	15,900,000	1892	6 <i>d.</i>	13,810,000
1888	7 <i>d.</i>	14,440,000	1893	6 <i>d.</i>	13,470,000
1889	6 <i>d.</i>	12,700,000	1894	7 <i>d.</i>	15,200,000

The gross amount of the annual value of property and profits assessed to the income tax in the year ended April 5, 1893, in the United Kingdom, was 712,181,099*l.*; in 1871 it was 465,478,688*l.* Of the amount for 1893 the share of England was 608,349,961*l.*; of Scotland, 65,606,195*l.*; of Ireland, 38,224,943*l.*



The real property so assessed in the last four years was distributed as follows:—

Assessed to Income Tax		1890	1891	1892	1893
		£	£	£	£
Land	England . . . . .	41,795,594	41,378,589	41,129,907	40,804,619
	Scotland . . . . .	6,416,507	6,374,863	6,318,581	6,291,119
	Ireland . . . . .	9,941,799	9,941,368	9,943,358	9,874,202
	Total . . . . .	58,153,900	57,694,820	57,391,846	56,969,940
Houses	England . . . . .	121,907,494	123,721,189	125,945,646	127,544,201
	Scotland . . . . .	13,026,736	13,245,723	13,425,504	13,642,508
	Ireland . . . . .	3,557,392	3,617,151	3,675,851	3,636,263
	Total . . . . .	138,491,622	140,584,063	143,047,001	144,822,972

The annual value of the mines, railways, and ironworks assessed to the income tax was as follows in 1893:—

	Mines	Railways	Ironworks
	£	£	£
England . . . . .	10,469,013	38,276,366	1,700,176
Scotland . . . . .	1,567,764	4,123,230	389,051
Ireland . . . . .	10,224	1,524,856	—
Total . . . . .	12,047,001	43,924,452	2,089,227

The annual value of canals was assessed at 3,472,245*l.*; of gasworks, 4,506,082*l.*; of quarries, 1,000,011*l.*; other profits, including waterworks, salt springs, and alum works, 6,378,790*l.*

In accordance with Acts passed in the years 1888–90, various duties are collected for local authorities by Imperial officers. These are: (1) the duties on local taxation licences, the proceeds of which are distributed to the counties of England and Wales and Scotland according to the amount certified to have been collected in each; (2) the probate duties to the extent of one-half, the proceeds of which are shared by the three divisions of the United Kingdom, England receiving four-fifths, Scotland eleven-hundredths, and Ireland nine-hundredths of the moiety; (3) the additional duties of 6*d.* per gallon on spirits, and 3*d.* per 36 gallons on beer, the proceeds of which are paid into the local taxation accounts of England, Scotland, and Ireland, in the same proportion as the moiety of the probate duty. The net receipts of these duties and the payments made to local taxation accounts in the year ended March 31, 1894, were as follows:—

	Additional Beer & Spirit Duty	Licences	Moiety of Probate Duty	Total
	£	£	£	£
Net receipts . . . . .	1,358,461	3,496,942	2,363,059	7,218,462
Payments:				
England . . . . .	1,077,255	3,140,518	1,888,424	6,106,197
Scotland . . . . .	143,223	331,735	261,783	736,741
Ireland . . . . .	112,191	—	208,823	321,014
Total payments . . . . .	1,332,669	3,472,253	2,359,030	7,163,952

The following statement from a Return on Financial Relations (England, Scotland and Ireland) shows for the year ended March 31, 1895, the estimated amount which will be contributed by each of the three divisions of the United Kingdom, the expenditure on each, and the balance of revenue from each available for Imperial expenditure:—

	Imperial	England	Scotland	Ireland	Total
Revenue:—Customs :	£	£	£	£	£
Exchequer Revenue . . . . .	—	15,514,000	2,051,000	2,445,000	20,010,000
Local Taxation Revenue . . . . .	—	162,000	19,000	17,000	198,000
Excise :					
Exchequer Revenue . . . . .	—	19,512,000	3,700,000	3,028,000	26,240,000
Local Taxation Revenue . . . . .	—	3,969,000	507,000	123,000	4,599,000
Stamps :					
Exchequer Revenue . . . . .	64,000	12,138,000	1,238,000	640,000	14,080,000
Local Taxation Revenue . . . . .	41,000	2,013,000	228,000	118,000	2,400,000
Land Tax . . . . .	—	995,000	35,000	—	1,030,000
House Duty . . . . .	—	1,344,000	96,000	—	1,440,000
Income Tax . . . . .	203,000	13,126,000	1,512,000	689,000	15,530,000
Total Tax Revenue :					
Exchequer . . . . .	267,000	62,629,000	8,632,000	6,802,000	78,330,000
Local Taxation . . . . .	41,000	6,144,000	748,000	263,000	7,196,000
Total Non-tax Revenue . . . . .	1,244,000	12,248,000	1,426,000	927,000	15,845,000
Total Revenue :					
Exchequer . . . . .	1,511,000	74,877,000	10,058,000	7,729,000	94,175,000
Local Taxation . . . . .	41,000	6,144,000	748,000	263,000	7,196,000
Grand Total . . . . .	1,552,000	81,021,000	10,806,000	7,992,000	101,371,000
Per cent. . . . .	—	81·17	10·82	8·01	99,819,000 <sup>1</sup>
Expenditure :					100
Local . . . . .	—	27,381,000	4,104,000	5,766,000	37,251,000
Balance available for Imperial expenditure . . . . .	—	53,640,000	6,702,000	2,226,000	62,568,000
Local : Per cent. . . . .	—	73·50	11·02	15·48	100
Imperial : Per cent. . . . .	—	85·73	10·71	3·56	100

<sup>1</sup> Exclusive of revenue from Imperial sources.

### III. NATIONAL DEBT.

The expenditure on account of National Debt is now nearly six times the amount paid in 1775, at the beginning of the War of Independence of the United States. The total charge for interest and management was then only a little over  $4\frac{1}{2}$  millions sterling; but at the end of the war it had risen to  $9\frac{1}{2}$  millions. The twenty-two years' warfare with France, from 1793 to 1815, added 23 millions sterling to the annual charge of the debt, making it over  $32\frac{1}{2}$  millions, decreased by slightly more than a million in 1817, in the year of consolidation of the English and Irish exchequer. Since this date, the capital of the debt has on the whole been steadily decreasing, excepting for the years of the Russian war. The annual charge, after increasing to nearly 30 millions in 1883, is now less than in 1857, at the close of that war, by 3,207,039*l.* Moreover, the present figure (25,200,000*l.*) includes a large provision for repayment of the capital of the debt, amounting in 1892-93 to 6,531,844*l.*

The following table exhibits the growth of the debt from its origin to the year 1894 at various periods :—

Periods	Principal	Annual Charge
	£	£
National Debt at the Revolution in 1688 . . . . .	664,263	39,855
Increase during William III.'s reign . . . . .	12,102,962	1,175,469
Debt at the Accession of Queen Anne, in 1702 . . . . .	12,767,225	1,215,324
Increase during the War of the Spanish Succession . . . . .	23,408,235	1,847,811
At the accession of George I., 1714 . . . . .	36,175,460	3,063,135
Increase during his reign . . . . .	16,675,337	(-) 323,507
At the accession of George II., 1727 . . . . .	52,850,797	2,739,628
Decrease during 12 years' peace, ending 1739 . . . . .	6,236,914	708,744
At the commencement of the Spanish War, 1739 . . . . .	46,613,883	2,030,884
Increase during the war . . . . .	29,198,249	1,134,881
At the end of the Spanish War, 1748 . . . . .	75,812,132	3,165,765
Decrease during 8 years' peace . . . . .	1,237,107	412,199
At the commencement of the Seven Years' War, 1756 . . . . .	74,575,025	2,753,566
Increase during the war . . . . .	58,141,024	2,279,167
At the Peace of Paris, 1763 . . . . .	132,716,049	5,032,733
Decrease during 12 years' peace . . . . .	5,873,238	329,214
At the commencement of the American War, 1775 . . . . .	126,842,811	4,703,519
Increase during the war . . . . .	116,220,334	4,837,737
At the end of the American War, 1784 . . . . .	243,063,145	9,541,256
Decrease during the peace . . . . .	3,399,724	109,077
At the commencement of the French War, 1792 . . . . .	239,663,421	9,432,179
Increase during the war . . . . .	297,989,587	10,836,372
At the Peace of Amiens, 1802 . . . . .	537,653,008	20,268,551
Increase during war with Napoleon . . . . .	323,386,041	12,377,067
At the Peace of Paris, 1815 . . . . .	861,039,049	32,645,618
Decrease during 40 years . . . . .	91,956,500	4,930,415
At commencement of Crimean War, 1854 . . . . .	769,082,549	27,715,203
Increase during the war . . . . .	39,026,173	834,836

Periods	Principal	Annual Charge
	£	£
Debt in 1857 . . . . .	808,108,722	28,550,039
Decrease since the Crimean War . . . . .	141,954,428	3,350,039
Debt on March 31, 1894 . . . . .	666,154,294	25,200,000

The following statement shows the total amount of the Gross and Net Liabilities of the State on March 31, 1894.

Funded Debt . . . . .	£ 587,631,096	
Estimated Capital of Terminable Annuities . . . . .	57,076,898	
Unfunded Debt . . . . .	21,446,300	
		666,154,294
Other Capital Liabilities :		
Russian Dutch Loan . . . . .	473,353	
Imperial Defence Act, 1888 . . . . .	611,783	
Barracks Act, 1890 . . . . .	1,215,754	
Telegraph Act, 1892 . . . . .	249,887	
Savings Banks, &c., Deficiencies . . . . .	398,953	
		2,949,730
Total Gross Liabilities . . . . .		669,104,024
Sundry Assets . . . . .		4,940,883
Total Net Liabilities . . . . .		664,163,141
Exchequer Balances at the Banks of England and Ireland . . . . .		5,977,119 <sup>1</sup>

<sup>1</sup> Including £750,000 ways and means advances unpaid on 5th April, 1894.

The whole of the debt is about 48,000,000*l.* less than the gross annual value of property and profits assessed to income tax, and 17,663,000*l.* less than the total value of British imports and exports for 1893. It is about 17*l.* 2*s.* 2*d.* per head of the present population, and the annual charge is 13*s.* per head. The national wealth, public and private, of the United Kingdom was estimated by Mr. Giffen in 1885 at 10,037,436,000*l.*

#### IV. LOCAL TAXATION.

The total amount raised for local expenditure was as follows in the three divisions of the United Kingdom in the years named.

	England and Wales 1891—92	Scotland 1889—90	Ireland 1891—92
	£	£	£
Rates . . . . .	28,508,770	} 3,357,565	} 2,810,377
Gas and Water Undertakings	6,987,278		
Repayments . . . . .	743,148	—	—
Tolls, Dues, &c. . . . .	5,455,906	1,033,223	442,636
Rents, interest, &c. . . . .	1,869,270	241,872	104,741
Sales . . . . .	414,061	4,935	—
Government contributions . . . . .	8,103,561	964,525	368,974
Loans . . . . .	9,072,831	1,410,398	470,345
Miscellaneous . . . . .	2,174,070	360,986	201,761
<b>Total receipts</b> . . . . .	<b>63,328,895</b>	<b>7,573,504</b>	<b>4,398,834</b>

In the year 1891—92 the chief branches of local expenditure were :—

	Eng. & Wales	Scotland	Ireland
	£	£	£
By Town and Municipal Authorities for Police, Sanitary Works, &c. . . . .	34,933,598	2,931,849	1,239,122
By Unions and Parishes for Poor Relief	8,850,495	918,178	1,124,572
By School Boards . . . . .	6,554,256	1,671,606	—
By County Authorities for Police, &c.	3,892,305	—	1,232,601
By Harbour Authorities . . . . .	3,061,315	1,346,149	401,563
<b>Total (including other expenditure)</b>	<b>63,315,104</b>	<b>—</b>	<b>4,534,305</b>

The estimated expenditure of the London County Council for the year ending March 31, 1895, was 4,965,352*l.*. The amount of the consolidated stock of the Council in 1894 was returned at 31,511,638*l.*

## Defence.

### I. ARMY.

The maintenance of a standing army in time of peace, without the consent of Parliament, is prohibited by the Bill of Rights of 1689. From that time to the present, the number of troops as well as the cost of the different branches of the service in detail, have been sanctioned by an annual vote of the House of Commons. The Secretary of State for War frames the 'Army Estimates,' which are submitted in 'votes' for the approval of the House of Commons.

Parliament exercises another important means of control over the army—viz., by passing at the commencement of every session an Act called the 'Army (Annual) Bill,' investing the Crown with large powers to make regulations for the good government

of the army, and to frame the Articles of War, which form the military code.

According to the army estimates laid before the House of Commons in the session of 1894, the regular army of the United Kingdom—exclusive of India—during the year ending March 31, 1895, is to consist of 7,496 commissioned officers, 1,027 warrant officers, 15,989 sergeants, 3,673 drummers, trumpeters, &c., and 127,162 rank and file, a total of 155,347 men of all ranks, being a total increase of 905 over the previous year. This force is to be composed of the following staff, regiments, and miscellaneous establishments:—

Branches of the Military Service.	Officers	Non-commissioned Officers, Drummers, &c.	Rank and File
<b>GENERAL AND DEPARTMENTAL STAFF.</b>			
General staff . . . . .	332	125	5
Army accountants . . . . .	209	—	—
Chaplains' department . . . . .	87	—	—
Medical department . . . . .	620	—	—
Veterinary department . . . . .	68	7	1
Total staff . . . . .	1,316	132	6
<b>REGIMENTS.</b>			
Cavalry, including Life and Horse Guards . . . . .	553	1,371	11,392
Royal Artillery . . . . .	850	2,017	20,546
Royal Engineers . . . . .	588	1,222	5,413
Infantry, including Foot Guards . . . . .	2,817	6,659	79,295
Colonial Corps . . . . .	161	372	4,695
Departmental Corps . . . . .	139	1,299	2,924
Army Service Corps . . . . .	237	920	2,729
Total regiments . . . . .	5,345	13,860	126,994
Staff of Yeomanry, Militia, and Volunteers . . . . .	600	6,199	10
<b>MISCELLANEOUS ESTABLISHMENTS.</b>			
Instruction in gunnery and musketry . . . . .	35	100	98
Royal Military Academy, Woolwich . . . . .	18	21	5
Royal Military College, Sandhurst . . . . .	30	22	18
Other colleges and schools . . . . .	39	109	1
Regimental schools . . . . .	14	183	—
Other establishments . . . . .	99	63	30
Total miscellaneous . . . . .	235	498	152
Total regular army . . . . .	7,496	20,689	127,162

The total number of horses provided for this establishment was 14,556.

For total cost of the British army, with details of the expenditure, see under *Finance*.

The following table exhibits, after official returns, the number of officers, rank and file, maintained for service in the United Kingdom at decennial periods since the year 1810 up to 1890, and during the last two years, on the 1st of January in every year:—

Year	Cavalry	Artillery	Engineers	Infantry and Special Corps	Total
1810	20,405	16,814	974	74,325	112,518
1820	9,900	4,046	371	46,799	61,116
1830	8,036	4,037	682	35,339	48,094
1840	7,190	4,118	544	38,624	50,476
1850	8,108	7,353	1,201	50,415	67,077
1860	11,389	14,045	1,707	62,366	89,507
1870	10,910	14,469	2,890	56,092	84,361
1890	12,470	17,584	5,370	68,682	104,116
1893	13,431	18,231	5,449	70,793	107,904
1894	12,931	18,267	5,293	69,599	105,550

The following is the official return of the number and distribution of the effectives of the British army (including drafts on passage to the Colonies, India, and Egypt), in the beginning of 1894:—

		Officers and Men	Horses and Mules			Officers and Men	Horses and Mules
England	.	75,435	9,892	Egypt	.	5,015	758
Scotland	.	3,689	327	The Colonies	.	31,577	606
Ireland	.	26,426	3,102	India	.	77,258	12,445
Total home	.	105,550	13,321	Total abroad	.	113,850	13,809
				General total	.	219,400	27,130

There are, besides, four classes of reserve, or auxiliary forces—namely, the Militia, the Yeomanry Cavalry, the Volunteer corps, and the Army Reserve force. The following is the official return of the number of men in the regimental establishments of the various forces, with the effectives, for 1894-95:—

—	Establishments all Ranks, 1894-95	Effectives by latest Returns
Regular Forces, Home and Colonial	145,309	143,788
Army Reserve, 1st Class	84,300	80,381
"    "    2nd    "	150	178
Militia	140,506	126,273
Yeomanry	11,790	10,424
Volunteers	262,520	227,741
Total Home and Colonial	644,575	588,785
Regular Forces on Indian Establishments	73,125	-76,721
Total	717,700	665,506

The following table shows the number of men in the British Army serving in India during the years noted, according to Budget estimates:—

Years	Soldiers in India	Years	Soldiers in India
1889-90	72,424	1892-93	72,648
1890-91	72,429	1893-94	72,858
1891-92	72,496	1894-95	73,125

The number of men enrolled in the Volunteer corps of Great Britain has increased from 119,146 in 1860, to 193,893 in 1870 206,537 in 1880, 221,048 in 1890, and 227,741 in 1893.

Under various laws of army organisation, Great Britain and Ireland are partitioned into 14 military districts. For the infantry there are 102 sub- or regimental districts, commanded by line colonels; for the artillery there are 12 sub-districts, commanded by artillery colonels; and for the cavalry there are two districts, commanded by cavalry colonels. The brigade of an infantry sub-district, consists, as a rule, of two line battalions, two militia battalions, the brigade depôt, rifle volunteer corps, and infantry of the army reserve. Of the two line battalions one is generally abroad and the second at one of the home stations. An artillery sub-district contains, in addition to the royal artillery, the militia artillery and that of the volunteers and of the army reserve; and a cavalry colonel similarly has command, not merely over the cavalry regiments within his district, but over the yeomanry, volunteers, and reserve cavalry.

The General Annual Return gives as follows the numbers of non-commissioned officers and men, natives of each of the three divisions of the United Kingdom, composing the army on January 1, 1894:—English, 159,631; Scotch, 16,747; Irish, 25,941; born in India and the colonies, 8,035; foreigners, 135; and 374 not reported.



The establishments for military educational purposes comprise the Council of Military Education, Royal Military Academy at Woolwich, Royal Military and Staff College at Sandhurst, Royal Military Asylum and Normal School at Chelsea, Royal Hibernian Military School at Dublin, Department for Instruction of Artillery Officers, Military Medical School, and a varying number of Garrison Schools and Libraries. In the army estimates for 1894-95, the sum provided for military education is 175,500*l.* (including the appropriation in aid). The two principal educational establishments for officers are the Royal Military Academy at Woolwich, and the Royal Military and Staff Colleges at Sandhurst. In the army estimates of 1894-95 the cost of the Woolwich Academy was set down at 34,400*l.*, and of the Sandhurst College at 43,700*l.*

## II. NAVY.

The British Navy is a permanent establishment, governed by statutes and orders fixed with much precision by the Legislature. Its administration was formerly in the hands of a Lord High Admiral, but by the Act 2 Will. and Mary, c. 2, this office was vested in a Commission. With the exception of various periods in which the office has been revived—in the person of the Earl of Pembroke in the reign of William III., of Prince George of Denmark (1702-8), and of the Duke of Clarence (May, 1827—August, 1828)—it has continued to be held in commission by the Board of Admiralty. The Board now consists of the First Lord of the Admiralty, who is always a member of the Cabinet, and five other commissioners.

The First Lord is responsible for the general direction and supervision of all naval business, and deals with promotions, appointments, nominations to cadetships, and other matters. The First Naval Lord advises upon questions of maritime defence, strategy, and naval policy, and is charged with business relating to ships in commission, the distribution and organization of the Fleet, the supervision of the Intelligence and Hydrographic Departments, ships' complements, discipline, courts martial, signals, collisions, gunnery, torpedoes, &c. The Second Naval Lord is responsible for the manning and officering of the Fleet, and for mobilization, naval education and training, the Royal Naval Reserve, and many other matters concerning the *personnel*. The special work of the Third Naval Lord and Controller of the Navy is chiefly in relation to *matériel*. He has charge of the dockyards, the steam reserves, shipbuilding

and repairs, machinery, the purchase, disposal and loan of ships, questions relating to inventions and discoveries, naval ordnance and stores, and the dockyard *personnel*. The Junior Naval Lord is concerned with the transport, medical and victualling services, and with hospitals, the coaling of the fleet, questions of pay, allowances, prize money, uniform, pensions, and other like matters. The Civil Lord is responsible for the Works Department, and for buildings and establishments, questions concerning Greenwich Hospital, dockyard schools, and other business. The Admiralty Board is assisted by a Parliamentary and Financial Secretary, who has charge of all matters of account and of questions involving reference to the Treasury financially; and by a Permanent Secretary, who is responsible for the discipline of the Admiralty departments, and appointments in the office, and has charge of correspondence and maritime papers. The administration of the Navy is thus conducted under the direction and supervision of the Board through a number of independent departments.

For the details of Naval expenditure see under *Finance*. The number of officers, seamen and marines provided for in the estimates for 1894-95, and also for the previous year, was as follows:—

	1893-94	1894-95
<i>Available for Sea Service—</i>		
For the Fleet (including Indian troop ships):		
Officers and seamen . . . . .	46,831	52,532
Boys . . . . .	4,594	4,494
Coast Guard . . . . .	4,200	4,200
Marines afloat and ashore . . . . .	14,865	15,365
<i>Other Services (training and various)—</i>		
Officers and seamen . . . . .	2,366	2,468
Boys . . . . .	3,701	4,201
Royal Marines . . . . .	140	140
 Total of all ranks . . . . .	 76,700	 83,400

Included in the number of 52,532 officers and seamen of the fleet are 14 flag officers and 2,905 commissioned officers on active service.

With the year 1893-4 closed the quinquennial period governed by the Naval Defence Act of 1889, which provided for

the construction of 70 vessels at a cost originally estimated at £21,500,000. In March, 1894, the First Lord of the Admiralty estimated that the expenditure then necessary to complete the ships built under the Naval Defence Act would be about £292,000. The gross excess of expenditure upon the original estimate is, in round figures, £722,000. That Act provided for the laying down of 10 first-class battleships (the *Royal Sovereign*, *Empress of India*, *Ramillies*, *Repulse*, *Resolution*, *Revenge*, *Royal Oak*, *Hood*, *Centurion*, and *Barfleur*), 9 first-class cruisers, 29 second-class cruisers, 4 third-class cruisers, and 18 torpedo-gunboats. Save certain gunboats all these have been completed. The First Lord, in the statement issued with the Naval estimates of the current financial year, estimated that most of the vessels not yet finished would be ready early in the next financial year, but, in certain cases, in order to secure continuity of work at the dockyards, a longer period has been given for completion.

In addition to the battleships built under the Act of 1889, one other battleship, the *Renown* (which is described on p. 64), was laid down in 1892-93, and is now considerably advanced. The shipbuilding programme of 1893-94 included, in the dockyards, two first-class battleships, the *Majestic* and *Magnificent*, three second-class cruisers, *Eclipse*, *Minerva*, and *Talbot*, and two sloops, *Torch* and *Alert*; and, in private yards, by contract, two large first-class cruisers—the *Powerful* and *Terrible*. The total number of torpedo-boat destroyers has been increased to 42. The more important of these vessels are described on page 65.

In the financial year 1894-95 it was decided to commence—as part of a complete five years' programme, of which the details have not been disclosed—seven battleships of the first class, six cruisers of the second class, and two sloops. The main features of the new battleships will follow generally the designs of the *Majestic* and *Magnificent*. It was proposed to build five of the battleships in dockyards—two at Portsmouth, two at Chatham, and one at Pembroke. Two of the battleships will be built by contract. The six second-class cruisers are of the *Talbot* type, and to be built by contract. It is proposed to build at Devonport two twin-screw sloops. These vessels are specially adapted for service on the China Station, and will take the place of gunboats like the *Swift* and *Linnet*.

The following table shows the effective strength of the British Navy, ships in course of construction or planned being

included. Unfortunately, no uniform classification of the vessels of various navies exists, but the table given is based upon a system which will enable comparisons to be made; and a statement, upon the same system, will be found under each of the naval powers. The more important of these results have been collected in an introductory table, and with that table is an account in detail of the method of classification adopted.

Battleships, 1st Class . . . . .	29	}	44
„ 2nd Class . . . . .	8		
„ 3rd Class . . . . .	7		
Port defence ships . . . . .			17
Cruisers, 1st Class ( <i>a</i> ) . . . . .	29	}	41
„ „ ( <i>b</i> ) . . . . .	12		
„ 2nd Class . . . . .			59
„ 3rd Class ( <i>a</i> ) . . . . .	105	}	192
„ „ ( <i>b</i> ) . . . . .	87		
Torpedo-craft, 1st Class <sup>1</sup> . . . . .	85	}	136
„ 2nd Class . . . . .	33		
„ 3rd Class . . . . .	18		
			489

<sup>1</sup> Including 42 “Destroyers.”

Briefly, the table has been constructed on the following principle. No 1st class battleship is more than 12 years old, nor of less displacement than 6,000 tons. Battleships of the 2nd class are not more than 20 years old, nor of less than 5,000 tons displacement. Third-class battleships do not exceed 27 years in age, and those with not more than 11 knots sea-speed are relegated to the category of port-defence vessels. First-class cruisers *a* are of more than 5,000 tons, with a sea-speed of 15 knots or more; those marked *b* are slower, but are armoured, and admitted as first-class cruisers for convoying purposes. They include the older ironclads, steaming more than 11 knots, which are assumed to be no longer fit for the line of battle. (The distinction between these and the port-defence vessels is often small.) Cruisers of the 2nd class are of 2,000 tons or more, with not less than 12 knots sea-speed. In the 3rd class of cruisers are included, for convenience of comparison, sloops, gun vessels, gunboats and torpedo-cruisers and catchers. Those marked *a* steam 10 knots or more at sea; those marked *b* have less than this speed. First-class torpedo craft exceed

125 feet in length; 2nd class boats are from 100 feet to 125 feet; third-class boats are from 80 feet to 99 feet. Boats of less than 80 feet are not included, as being useful only for local port defence except under very favourable circumstances. Transports, store ships, tenders, and vessels of no fighting value are excluded.

There are 10 vessels which are subsidized by the Admiralty as "Reserved Merchant Cruisers," in addition to many others which are held at disposition, and marked for preferential employment, without subvention. The subsidized vessels are the *Etruria* and *Umbria* (Cunard Company), *Victoria*, *Britannia*, and *Oceana* (P. & O. Company), *Majestic* and *Teutonic* (White Star Line), and *Empress of India*, *Empress of China*, and *Empress of Japan* (Canadian Pacific Railway Company).

In November, 1894, there were 189 ships in commission, 75 in the Fleet Reserve, 28 in the Dockyard Reserve, and 21 building and completing at the Government dockyards.

The vessels on foreign service were thus distributed in January, 1895—

Mediterranean and Red Sea . . . . .	31	Australia . . . . .	12
Channel Squadron . . . . .	9	South-east coast of America. . . . .	4
North America and West Indies . . . . .	12	Particular Service . . . . .	12
East Indies . . . . .	9	Surveying Service . . . . .	8
China . . . . .	25	Training Squadron . . . . .	4
Cape of Good Hope and West			
Africa . . . . .	18	Total . . . . .	151
Pacific . . . . .	7		

The number of 151 includes 5 vessels attached temporarily to the squadron on the China station.

The following tabulated list of battleships, coast and port defence vessels, and first-class cruisers of the British Navy, built, building and projected, requires a few words of explanation. The order of ships is chronological. In the first list, the ships of which the names are in italics are port defence or floating battery ships. The numbers following the names of the others indicate the classes to which they have been assigned in the foregoing table. The letters in the first column signify the character of the ships:—*b.* broadside; *c.b.* central battery; *t.* turret; *bar.* barbette. In the particulars of guns, "Q.F." means quick-firing. Machine-guns are not given. The first-class cruisers (5,000 tons or more) have a sea-speed of not less than 15 knots, the sea-speed being estimated at 2 knots less than the nominal speed. An exception to this rule regarding speed is that certain armour-clads are counted first-class as for convoying purposes, if with lower speed. The names of these are printed in italics.

Description	Name	Launched	Displacement, Tons	Extreme Armouring, Inches	Armament	Torpedo Ejectors	Indicated Horse-power	Nominal Speed
<i>c b</i>	<i>Penelope</i>	— 1867	4,470	6	8 9-ton; 4 3-pr. Q.F.	—	4,700	12·7
<i>t</i>	<i>Monarch</i>	3 1868	8,320	10	{ 4 25-ton; 2 12-ton; 1 6½-ton; 4 12-pr. and 12 3-pr. Q.F. }	2	8,000	14·0
<i>c b</i>	<i>Hereules</i>	3 1868	8,680	9	{ 8 18-ton; 2 12½-ton; 4 6½-ton; 28 Q.F. guns }	4	8,500	14·6
<i>c b</i>	<i>Audacious</i>	— 1869	6,010	8	10 12-ton; 8 4-in.; 4 6-pr., & 63-pr. Q.F.	4	4,830	11·6
<i>c b</i>	<i>Invincible</i>	— 1869	6,010	8	10 12-ton; 6 4-in.; 4 6-pr. Q.F.	4	4,830	12·5
<i>c b</i>	<i>Iron Duke</i>	— 1870	6,010	8	10 12-ton; 4 5-in.; 4 20-pr.; 4 6-pr. Q.F.	4	3,520	12·4
<i>t</i>	<i>Ho spur</i>	— 1870	4,010	11	2 25-ton; 2 5-ton; 4 6-pr. Q.F.	2	3,060	12·8
<i>c b</i>	<i>Swiftsure</i>	— 1870	6,910	8	10 12-ton; 8 4-in.; 4 6-pr. & 43-pr. Q.F.	4	4,910	12·6
<i>c b</i>	<i>Triumph</i>	— 1870	6,640	8	10 12-ton; 4 5-in.; 8 6-pr. & 8 3-pr. Q.F.	4	5,110	12·6
<i>c b</i>	<i>Sultan</i>	3 1870	9,290	9	8 18-ton; 4 12½-ton; 7 20-pr., 4 6-pr. Q.F.	4	8,000	13·7
<i>t</i>	<i>Devastation</i>	3 1871	9,330	14	4 29-ton; 6 6-pr. & 8 3-pr. Q.F.	4	7,000	14·0
<i>t</i>	<i>Cyclops</i>	— 1871	3,560	10	4 18-ton; 4 3-pr. Q.F.	—	1,660	9·9
<i>t</i>	<i>Glattton</i>	— 1871	4,910	14	2 25-ton; 3 6-pr. Q.F.	2	2,870	11·0
<i>t</i>	<i>Gorgon</i>	— 1871	3,560	10	4 18-ton; 4 3-pr. Q.F.	—	1,670	9·9
<i>t</i>	<i>Hecate</i>	— 1871	3,560	10	4 18-ton; 4 3-pr. Q.F.	—	1,750	9·9
<i>t</i>	<i>Hydra</i>	— 1871	3,560	10	4 18-ton; 4 3-pr. Q.F.	—	1,470	9·9
<i>t</i>	<i>Thunderer</i>	3 1872	9,330	14	4 29-ton; 6 6-pr. & 8 3-pr. Q.F.	2	7,000	13·4
<i>t</i>	<i>Rupert</i>	3 1872	5,440	14	2 22-ton; 2 6-in.; 4 6-pr. & 6 3-pr. Q.F.	4	6,000	14·0
<i>t</i>	<i>Neptune</i>	3 1874	9,310	13	4 38-ton; 2 12-ton; 6 6-pr. & 8 3-pr. Q.F.	2	8,000	14·2
<i>c b</i>	<i>Superb</i>	2 1875	9,170	12	16 18-ton; 6 4-in.; 6 6-pr. & 10 3-pr. Q.F.	4	6,000	15·0
<i>c b</i>	<i>Alexandra</i>	2 1875	9,490	12	{ 8 18-ton; 4 22-ton; 6 4-in.; 4 6-pr. & 6 3-pr. Q.F. }	4	8,610	14·3
<i>t</i>	<i>Dreadnought</i>	2 1875	10,820	14	4 38-ton; 6 6-pr. & 2 3-pr. Q.F.	2	8,210	13·7
<i>t</i>	<i>Inflexible</i>	— 1876	11,880	24	4 80-ton; 8 4-in.; 4 6-pr. & 2 3-pr. Q.F.	4	8,010	12·8
<i>bar</i>	<i>Téméraire</i>	2 1876	8,540	11	{ 4 25-ton; 4 18-ton; 6 4-in.; 4 6-pr. & 2 3-pr. Q.F. }	2	7,000	13·8
<i>c b</i>	<i>Belleisle</i>	— 1876	4,870	12	4 25-ton; 6 6-pr. Q.F.	2	3,200	11·9
<i>c b</i>	<i>Orion</i>	— 1879	4,870	12	4 25-ton; 6 6-pr. Q.F.	4	3,900	11·9
<i>t</i>	<i>Agamemnon</i>	— 1879	8,660	18	4 38-ton; 2 5-ton; 6 6-pr. & 8 3-pr. Q.F.	2	6,360	12·1
<i>t</i>	<i>Ajax</i>	— 1880	8,660	18	4 38-ton; 2 5-ton; 6 6-pr. Q.F.	2	6,000	12·1
<i>t</i>	<i>Conqueror</i>	2 1881	6,200	12	2 45-ton; 4 5-ton; 6 6-pr. Q.F.	6	6,000	15·5
<i>t</i>	<i>Edinburgh</i>	2 1882	9,420	18	4 45-ton; 5 5-ton; 4 6-pr. & 10 3-pr. Q.F.	2	7,500	15·5
<i>t</i>	<i>Colossus</i>	2 1882	9,420	18	4 45-ton; 5 5-ton; 4 6-pr. & 10 3-pr. Q.F.	2	7,500	15·5
<i>bar</i>	<i>Collingwood</i>	2 1882	9,500	18	4 45-ton; 5 5-ton; 4 6-pr. & 10 3-pr. Q.F.	2	9,500	16·5
<i>bar</i>	<i>Rodney</i>	1 1884	10,300	18	{ 1 69-ton; 3 67-ton; 6 5-ton; 12 6-pr. & 2 3-pr. Q.F. }	4	11,500	16·7
<i>t</i>	<i>Hero</i>	1 1885	6,200	12	2 45-ton; 4 5-ton; 7 6-pr. & 5 3-pr. Q.F.	6	6,000	15·5
<i>bar</i>	<i>Benbow</i>	1 1885	10,600	18	2 111-ton; 10 5-ton; 8 6-pr. & 7 3-pr. Q.F.	5	11,500	16·7
<i>bar</i>	<i>Camperdown</i>	1 1885	10,600	18	4 67-ton; 6 5-ton; 12 6-pr. & 7 3-pr. Q.F.	5	11,500	16·7
<i>bar</i>	<i>Howe</i>	1 1885	10,300	18	4 67-ton; 6 5-ton; 12 6-pr. & 7 3-pr. Q.F.	5	11,500	16·7
<i>bar</i>	<i>Anson</i>	1 1886	10,600	18	4 67-ton; 6 6-in.; 12 6-pr. & 7 3-pr. Q.F.	5	11,500	16·7
<i>t</i>	<i>Sans Pareil</i>	1 1887	10,470	18	{ 2 111-ton; 1 29-ton; 12 5-ton; 12 6-pr. & 9 3-pr. Q.F. }	6	14,000	16·7
<i>t</i>	<i>Trafalgar</i>	1 1887	11,940	20	{ 4 67-ton; 6 4·7-in. Q.F.; 8 6-pr. & 9 3-pr. Q.F. }	6	12,000	16·7
<i>t</i>	<i>Nile</i>	1 1888	11,940	20	{ 4 67-ton; 6 4·7-in. Q.F.; 8 6-pr. & 9 3-pr. Q.F. }	4	12,000	16·7
<i>t</i>	<i>Hood</i>	1 1891	14,150	18	{ 4 67-ton; 10 6-in. Q.F.; 10 6-pr. & 12 3-pr. Q.F. }	7	13,000	17·5
<i>bar</i>	<i>Royal Sovereign</i>	1 1891	14,150	18	{ 4 67-ton; 10 6-in. Q.F.; 16 6-pr. & 12 3-pr. Q.F. }	7	13,312	17·5
<i>bar</i>	<i>Empress of India</i>	1 1891	14,150	18	Do.	Do.	13,000	17·5
<i>bar</i>	<i>Repulse</i>	1 1892	14,150	18	Do.	Do.	13,000	17·5
<i>bar</i>	<i>Royal Oak</i>	1 1892	14,150	18	Do.	Do.	13,000	17·5
<i>bar</i>	<i>Ramillies</i>	1 1892	14,150	18	Do.	Do.	13,000	17·5
<i>bar</i>	<i>Resolution</i>	1 1892	14,150	18	Do.	Do.	13,000	17·5
<i>bar</i>	<i>Revenge</i>	1 1892	14,150	18	Do.	Do.	13,000	17·5
<i>bar</i>	<i>Centurion</i>	1 1892	10,500	12	{ 4 29-ton; 10 4·7-in. Q.F.; 8 6-pr. & 12 3-pr. Q.F. }	—	13,000	18·2

Description	Name	Launched	Displacement, Tons	Extreme Armouring, Inches	Armament	Torpedo Ejectors	Indicated Horse-power	Nominal Speed
bar	Barfleur . . .	1 1892	10,500	12	{ 4 29-ton; 10 4·7-in. Q.F.; 8 6-pr. & 12 } 3-pr. Q.F.	7	13,000	18·2
bar	Renown . . .	1 —	12,350		{ 4 29-ton; 10 6-in. Q.F.; 8 12-pr., 10 } 6-pr. & 12 3-pr. Q.F.	5	10,000	17·0
bar	Magnificent . . .	1 1894	14,900		4 12-in.; 12 6-in. Q.F.; 28 smaller Q.F.	5	12,000	18·0
bar	*Majestic . . .	1 —	14,900		Do. Do.	5	12,000	18·0
bar	*Prince George . . .	1 —	14,900		Do. Do.	5	12,000	18·0
bar	*Cæsar . . .	1 —	14,900		Do. Do.	5	12,000	18·0
bar	*Hannibal . . .	1 —	14,900		Do. Do.	5	12,000	18·0
bar	*Victorious . . .	1 —	14,900		Do. Do.	5	12,000	18·0
bar	*Illustrious . . .	1 —	14,900		Do. Do.	5	12,000	18·0
bar	*Mars . . .	1 —	14,900		Do. Do.	5	12,000	18·0
bar	*Jupiter . . .	1 —	14,900		Do. Do.	5	12,000	18·0

\* Programme of 1894-95.

Also the port-defence vessels *Magdala* (3,340 tons), *Abyssinia* (2,910 tons), *Scorpion* (2,750 tons), *Wivern* (2,750 tons), *Cerberus* (3,480 tons), *Viper* (1,230 tons), and *Vixen* (1,230 tons), on Indian and Colonial stations.

### FIRST CLASS CRUISERS.

Description	Name	Launched	Displacement, Tons	Armament	Torpedo Ejectors	Indicated Horse-Power	Nominal Speed
Armoured cruisers	<i>Warrior</i> . . .	1860	9,210	4 9-ton; 28 6½-ton	—	5,270	12·7
	<i>Black Prince</i> . . .	1861	9,210	4 9-ton; 22 6½-ton; 2 6-in.; 4 3-pr. Q.F.	2	5,770	12·7
	<i>Minotaur</i> . . .	1863	10,690	17 12-ton; 4 4·7-in., and 8 3-pr. Q.F.	2	5,000	12·0
	<i>Achilles</i> . . .	1863	9,820	14 12-ton; 2 5-ton; 8 3-pr. Q.F.	2	5,000	12·7
	<i>Bellerophon</i> . . .	1865	7,550	10 14-ton; 4 6-in.; 6 4-in.; 4 6-pr. Q.F.	2	6,000	12·4
	<i>Agincourt</i> . . .	1865	10,690	17 12-ton	2	5,000	12·0
	<i>Northumberland</i> . . .	1866	10,780	7 12-ton; 20 9-ton; 12 smaller	4	6,560	12·0
	<i>Shannon</i> . . .	1875	5,390	2 18-ton; 7 12-ton	2	3,370	11·2
	<i>Nelson</i> . . .	1876	7,630	{ 4 18-ton; 8 12-ton; 4 4·7-in. Q.F.; 6 } 6-pr. & 14 3-pr. Q.F.	2	6,640	14·4
	<i>Northampton</i> . . .	1876	7,630	{ 4 18-ton; 8 12-ton; 6 6-pr. & 8 3-pr. } Q.F.	2	6,070	12·6
<i>Impérieuse</i> . . .	1883	8,400	{ 4 24-ton; 10 6-in.; 4 6-pr. & 4 3-pr. } Q.F.	6	10,000	16·7	
<i>Warspite</i> . . .	1884	8,400	{ 4 22-ton; 10 6-in.; 4 6-pr. & 4 3-pr. } Q.F.	6	10,000	16·7	

Description	Name	Launched	Displacement, Tons	Armament	Torpedo Ejectors	Indicated Horse-power	Nominal Speed
Belted cruisers	Undaunted . . .	1886	5,600	{ 2 22-ton; 10 6-in.; 6 6-pr. & 10 3-pr. Q.F. }	4	8,500	18·5
	Aurora . . .	1886	5,600	Do.	Do.	8,500	18·5
	Australia . . .	1887	5,600	Do.	Do.	8,500	18·5
	Galatea . . .	1887	5,600	Do.	Do.	8,500	18·5
	Innortalité . . .	1887	5,600	Do.	Do.	8,500	18·5
	Narcissus . . .	1887	5,600	Do.	Do.	8,500	18·5
	Orlando . . .	1887	5,600	Do.	Do.	8,500	18·5
	Blake . . .	1889	9,000	2 22-ton; 10 6-in.; 16 3-pr. Q.F.	4	20,000	22·0
	Blenheim . . .	1890	9,000	Do.	Do.	20,000	22·0
	Edgar . . .	1890	7,350	{ 2 22-ton; 10 6-in. Q.F.; 12 6-pr. & 5 3-pr. Q.F. }	4	12,000	19·7
Deck protected	Endymion . . .	1891	7,350	Do.	Do.	12,000	19·7
	Hawke . . .	1891	7,350	Do.	Do.	12,000	19·7
	Royal Arthur . . .	1891	7,700	{ 1 22-ton; 12 6-in. Q.F.; 12 6-pr. & 5 3-pr. Q.F. }	4	12,000	19·5
	Crescent . . .	1891	7,700	Do.	Do.	12,000	19·5
	St. George . . .	1892	7,700	{ 2 22-ton; 10 6-in. Q.F.; 12 6-pr. & 5 3-pr. Q.F. }	Do.	12,000	19·5
	Gibraltar . . .	1892	7,700	Do.	Do.	12,000	19·5
	Grafton . . .	1892	7,350	Do.	Do.	12,000	19·7
	Theseus . . .	1892	7,350	Do.	Do.	12,000	19·7
	Eclipse . . .		5,600	5 6-in. Q.F.; 6 4·7-in.; and smaller Q.F.		9,600	19·5
	Minerva . . .		5,600	Do.		9,600	19·5
	Talbot . . .		5,600	Do.		9,600	19·5
	*Diana . . .		5,600	Do.		9,600	19·5
	*Dido . . .		5,600	Do.		9,600	19·5
	*Doris . . .		5,600	Do.		9,600	19·5
	*Isis . . .		5,600	Do.		9,600	19·5
	*Juno . . .		5,600	Do.		9,600	19·5
	*Venus . . .		5,600	Do.		9,600	19·5
Powerful . . .		14,000	{ 29·2-in.; 12 6-in. Q.F.; 18 12-pr. & 12 3-pr. Q.F. }	4	25,000	22·0	
Terrible . . .		14,000	Do.	4	25,000	22·0	

\* Programme of 1894-95.

Of the ten battleships built under the Naval Defence Act, seven are of the *Royal Sovereign* type, which is a much improved development of the 'Admiral' class, with better protection, higher freeboard, and more powerful armament. The *Hood* is the only one of these new battleships which carries her heavy guns in closed turrets. The *Barfleur* and *Centurion* are examples of the tendency to combine the chief qualities of the largest ironclads in a rather smaller and less expensive compass. In them the protection and arrangement of the quick-firing armament have been even more highly elaborated than in the *Royal Sovereign* class, and their speed is at least equal. Their heavy armament, however, is less powerful, and their armour is reduced in thickness.

The *Renown*, now in course of construction at Pembroke, as part of the programme of 1892-93, represents one of the latest types in the Navy. She is described as an improved *Centurion*, and has a greater displacement (12,350 tons) than that type. She is to be armed with four 10-in. breechloading guns, carried in two barbettes and mounted similarly to those in the *Centurion*. Her secondary armament will be extremely powerful, including ten 6-in. quick-firing guns, eight 12-pounder quick-firers, and a considerable



number of smaller quick-firing guns. In the protection of this secondary armament the arrangements in the *Renown* are more efficient than those in any preceding battleship. The armament of submerged torpedoes will also be more extensive than that in any other battleship. The barrette armour will be somewhat thicker than that in the *Centurion*. The hull armour will be arranged on an entirely different principle from that which has been adopted in the *Centurion*, and associated with a different arrangement of the protective deck. This point has received the most careful attention; and it is considered that the disposition and thickness of hull armour adopted, together with the improved qualities of armour now obtainable, will make the ship well adapted for close action. With natural draught on the eight hours' contractor's trial, a mean speed of 17 knots is anticipated; with moderate forced draught a *maximum* speed of about 18 knots will be reached. Like the *Centurion* and the *Barfleur* the *Renown* will be wood sheathed and coppered, and will be capable of passing through the Suez Canal.

The *Majestic* and *Magnificent*, with the seven battleships of the new programme, present the largest type of battleship afloat. The following are the characteristics of these colossal ships drawn from a Parliamentary Paper. The length is 390 feet, the extreme beam 78 feet, the mean draught 28 feet, and the displacement 14,900 tons. With natural draught on the eight hours' contractor's trial, a mean speed of 16½ knots is anticipated; with moderate forced draught a *maximum* speed of 17½ to 17½ knots will be obtained. The armament will include four 12-inch B.L. guns of new type mounted in pairs; twelve 6-inch Q.F.; sixteen 12-pounders Q.F. new type; and twelve 3-pounders Q.F. There will also be five torpedo discharges for 18-inch torpedoes, four of these being submerged. In the general disposition of the armament the arrangement of the *Royal Sovereign* class has been followed. There are, however, certain important differences. The 12-inch guns mounted in strongly armoured barbets will have their mountings so arranged that they can be loaded in any position by manual power, while the proved advantages obtainable with hydraulic power and fixed loading stations will be retained. Strong armoured shields will also be fitted to the turntables and revolve with the guns. The protection of the 6-inch Q.F. guns is to be carried out more thoroughly than in the *Royal Sovereign* class, involving considerable additional weight. Two more 6 inch Q.F. are carried in the new ships, and 12-pounders have been adopted instead of 6-pounders as in the *Royal Sovereign*. The armour-plating will be hardened by the Harvey process, and the protection of the hull is more extended.

Of the best type of first-class cruisers is the *Royal Arthur*, built under the Naval Defence Act, and launched in 1891, of 7,700 tons, 12,000 horse-power, and a speed of 20 knots. The class consists of nine vessels of from 7,350 to 7,700 tons, heavily armed, and with large coal endurance. All of them are now afloat.

The *Powerful* and *Terrible*, first-class cruisers, will be formidable ships of about 14,000 tons, and will certainly be far superior to any other like cruisers afloat. They are intended to have a smooth-water speed of 20 knots and a trial speed of 22 knots. Their armament will be very strong and carefully protected, and they will have high freeboard, the bow and stern chasers being well above the water. Their vital parts will be beneath a 4in. curved steel deck, which will be associated with many watertight compartments. Their coal-bunker capacity will be 3,000 tons.

The new second-class cruisers, built under the Naval Defence Act (of which there are 29), are described as improved *Medeas*, and are of two types—*Apollo* (3,400 tons) and *Astruc* (4,360 tons)—with 9,000 horse-power; speed

19½ to 20 knots. The programme of 1893-94 provided for three other second-class cruisers, described as improved *Astræas*, and the programme of 1894-95 includes six 19½-knot cruisers of the *Talbot* type. The torpedo boat destroyers are very swift boats, having a contract speed of 27 knots. The *Decoy* has steamed 27·77 knots on a three hours' run. They are armed severally with one of the new 12-pounder quick-firing guns and five 6-pounders, except that six boats have but three of the last-named guns. Several of them are now afloat.

## Production and Industry.

### I. AGRICULTURE.

In 1876 the number of owners of less than an acre of land in the United Kingdom, exclusive of the metropolis, was officially returned at 852,408; of owners of more than an acre at 321,386; total number of owners, 1,173,794. The whole extent of land accounted for in the returns was, however, five-and-a-half millions of acres less than the area of the United Kingdom, all common and waste lands, as well as the metropolis and the lands of owners of less than an acre, having been excluded from the survey.

The following table shows the distribution of the surface in each section of Great Britain in percentages of the total acreage of each section :—

—	England	Wales	Scotland	Ireland	Average
Cultivable and pasture area	77	60	25	72	58·5
Woods, coppice, &c.	4·8	3·5	4·5	1·6	3·6
Mountain, heath, water, &c.	18·2	36·5	70·5	26·4	37·9
	100·0	100·0	100·0	100·0	100·0
Total area (in 1,000 acres)	32,527	4,712	19,085	20,820	77,144

The following table shows the distribution of the cultivable area :—

	1874	1891	1892	1893	1894
<i>Great Britain :</i>					
	Acres	Acres	Acres	Acres	Acres
Corn crops . . .	9,431,490	7,924,823	7,808,031	7,655,739	7,854,974
Green crops . . .	3,581,276	3,297,569	3,269,577	3,286,906	3,300,769
Flax . . .	9,394	1,801	1,421	1,258	1,760
Hops . . .	65,805	56,148	56,259	57,564	59,535
Small fruit . . .	—	58,704	62,148	65,487	68,415
Bare fallow, &c.	660,206	429,040	457,162	514,558	375,701
Clover and ma- ture grasses . .	4,340,742	4,716,582	4,672,802	4,569,630	4,503,632
Permanent pas- ture . . .	13,178,412	16,433,850	16,358,150	16,492,567	16,465,069
<i>Live stock :—</i>					
	Number	Number	Number	Number	Number
Horses . . .	1,311,739	1,488,403	1,518,082	1,524,527	1,529,461
Cattle . . .	6,125,491	6,852,821	6,944,783	6,700,676	6,347,113
Sheep . . .	30,313,941	28,732,558	28,734,704	27,280,334	25,861,500
Pigs . . .	2,422,832	2,888,773	2,137,859	2,113,530	2,390,026
<i>Ireland :</i>					
	Acres	Acres	Acres	Acres	Acres
Corn crops . . .	1,901,508	1,492,763	1,494,816	1,489,393	1,484,041
Green crops . . .	1,353,362	1,191,424	1,174,861	1,153,527	1,163,277
Flax . . .	106,886	74,665	70,642	67,444	100,851
Bare fallow, &c.	12,187	21,626	26,936	22,038	19,639
Clover, & mature grasses . . .	12,378,244	1,248,604	1,252,979	1,300,168	1,312,198
Permanent pasture . . .	—	11,100,317	11,142,287	11,175,844	11,081,919
<i>Live stock :—</i>					
	Number	Number	Number	Number	Number
Horses . . .	468,089	592,819	539,788	545,180	553,091
Cattle . . .	4,118,113	4,448,511	4,531,025	4,464,026	4,392,194
Sheep . . .	4,437,613	4,722,613	4,827,702	4,421,593	4,105,250
Pigs . . .	1,096,494	1,367,712	1,115,886	1,152,365	1,389,310

The following table shows the area (in acres) under each of the heavy corn and green crops in the years named :—

Year	Wheat	Barley	Oats	Beans	Peas	Potatoes	Turnips
<i>Great Britain</i>	Acres	Acres	Acres	Acres	Acres	Acres	Acres
1874	3,630,300	2,287,987	2,596,384	559,044	310,547	520,430	2,133,336
1890	2,386,336	2,111,178	2,902,998	358,413	219,382	529,661	1,947,598
1891	2,307,277	2,112,798	2,899,129	354,702	204,277	532,794	1,918,535
1892	2,219,839	2,036,810	2,997,545	311,310	194,424	525,361	1,937,163
1893	1,897,524	2,075,097	3,171,756	244,954	210,479	527,821	1,975,235
1894	1,927,962	2,095,771	3,253,401	244,180	243,043	504,454	1,956,573

Year	Wheat*	Barley	Oats	Beans	Peas	Potatoes	Turnips
<i>Ireland :</i>	Acres	Acres	Acres	Acres	Acres	Acres	Acres
1874	183,711	212,230	1,480,186	9,646	1,756	892,421	333,487
1890	93,208	182,218	1,220,241	3,714	655	780,801	295,361
1891	80,870	177,966	1,215,396	4,142	589	753,332	300,326
1892	75,344	175,612	1,226,307	3,973	460	739,942	300,445
1893	54,998	168,776	1,248,338	3,280	326	723,735	302,774
1894	49,342	164,780	1,254,813	2,784	401	717,120	311,294

The following table shows the total produce of each of the principal crops in Great Britain and Ireland in thousands of bushels and tons for the years named:—

Description of Crops	Great Britain				Ireland			
	1891	1892	1893	1894	1890	1891	1892	1893
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.
Wheat . . . . .	72,127	58,561	49,247	59,173	2,639	2,615	2,214	1,666
Barley and Bere . . . .	72,129	70,485	59,535	72,295	6,860	7,426	6,454	6,211
Oats . . . . .	112,386	116,295	112,877	135,463	51,167	54,086	51,886	55,701
Beans . . . . .	10,514	6,905	4,745	—	162	180	149	118
Peas . . . . .	5,759	5,017	4,750	—	19	18	11	6
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
Potatoes . . . . .	3,053	3,049	3,476	—	1,810	3,037	2,585	3,064
Turnips and Swedes . .	25,392	27,348	26,262	—	4,256	4,349	4,071	4,848

The following table shows the estimated average yield per acre of the principal crops:—

Description of Crops	Great Britain				Ireland			
	1891	1892	1893	1894	1890	1891	1892	1893
	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.	Bushls.
Wheat . . . . .	31.26	26.38	25.95	30.69	28.58	32.34	29.36	30.28
Barley and Bere . . . .	34.14	34.61	28.69	34.50	37.60	41.64	36.76	36.76
Oats . . . . .	38.77	38.80	35.59	41.64	41.86	44.50	42.31	44.62
Beans . . . . .	29.66	22.19	19.30	—	43.61	43.58	37.51	35.85
Peas . . . . .	28.23	25.85	22.61	—	29.30	30.48	24.97	19.68
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
Potatoes . . . . .	5.73	5.80	6.59	—	2.32	4.03	3.49	4.23
Turnips and Swedes . .	13.24	14.12	13.36	—	14.40	14.48	13.55	16.01

For the quantities of cereals and live stock imported, see under *Commerce*.

The following table shows the distribution of live stock among the different parts of the United Kingdom in 1893:—

	England	Wales	Scotland	Ireland	United Kingdom <sup>1</sup>
Horses .	1,173,809	147,344	203,374	545,180	2,079,587
Cattle .	4,744,059	738,608	1,218,009	4,464,026	11,207,554
Sheep .	16,805,280	3,101,890	7,373,164	4,421,593	31,774,824
Pigs .	1,793,456	200,676	119,398	1,152,365	3,278,030

<sup>1</sup> Including the Isle of Man and Channel Islands.

The following table shows the number of holdings or farms of various sizes in each of the three kingdoms in June, 1885 (latest return) :—

Number of Agricultural Holdings in each Class					Proportional Number per Cent. of Holdings			
Classification of Holdings	Eng-land	Wales	Scot-land	Great Britain	Eng-land	Wales	Scot-land	Great Britain
	No.	No.	No.	No.	%	%	%	%
From $\frac{1}{4}$ acre to 1 acre	21,069	1,083	1,360	23,512	5·08	1·80	1·69	4·23
" 1 acre to 5 acres	103,229	11,044	21,463	135,736	24·88	18·35	26·59	24·42
" 5 " 20 "	109,285	17,389	22,132	148,806	26·34	28·89	27·42	26·77
" 20 " 50 "	61,146	12,326	10,677	84,149	14·74	20·48	13·23	15·14
" 50 " 100 "	44,893	10,044	9,778	64,715	10·82	16·69	12·11	11·64
" 100 " 300 "	59,180	7,844	12,549	79,573	14·26	13·03	15·55	14·31
" 300 " 500 "	11,452	389	2,034	13,875	2·76	0·65	2·52	2·50
" 500 " 1,000 "	4,131	63	632	4,826	0·99	0·10	0·78	0·87
" 1,000 . . . . .	565	8	90	663	0·13	0·01	0·11	0·12
Total . . . . .	414,950	60,190	80,715	555,855	100·00	100·00	100·00	100·00

Acreage of Agricultural Holdings in each Class					Average size of Holdings			
Classification of Holdings	England	Wales	Scot-land	Great Britain	Eng-land	Wales	Scot-land	Great Britn.
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
From $\frac{1}{4}$ acre to 1 ac.	9,988	530	677	11,195	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$
" 1 ac. to 5 acrs.	286,526	34,532	68,619	389,677	$2\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{1}{4}$	$2\frac{3}{4}$
" 5 " 20 "	1,219,663	200,169	236,995	1,656,827	$11\frac{1}{4}$	$11\frac{1}{2}$	$10\frac{1}{4}$	$11\frac{1}{4}$
" 20 " 50 "	2,042,370	420,482	361,675	2,824,527	$33\frac{1}{2}$	$34$	$33\frac{1}{4}$	$33\frac{1}{2}$
" 50 " 100 "	3,285,350	735,671	725,499	4,746,520	$73\frac{1}{4}$	$73\frac{1}{4}$	$74\frac{1}{4}$	$73\frac{1}{4}$
" 100 " 300 "	10,285,988	1,233,374	2,139,133	13,658,495	$173\frac{3}{4}$	$157\frac{1}{4}$	$170\frac{1}{4}$	$171\frac{1}{4}$
" 300 " 500 "	4,328,722	143,623	768,823	5,241,168	$378$	$369\frac{1}{4}$	$378$	$377\frac{1}{4}$
" 500 " 1,000 "	2,697,794	39,793	409,641	3,147,228	$653$	$631\frac{3}{4}$	$648\frac{1}{4}$	$652\frac{1}{4}$
" 1,000 . . . . .	735,138	10,373	137,104	882,615	$1,301\frac{1}{4}$	$1,296\frac{1}{4}$	$1,523\frac{1}{4}$	$1,331\frac{1}{4}$
Total . . . . .	24,891,539	2,818,547	4,848,166	32,558,252	60	$46\frac{3}{4}$	60	$58\frac{1}{4}$

A return made in 1890 gives statistics of holdings from  $\frac{1}{4}$  acre to 50 acres, but does not deal with those of 50 acres and upwards. The figures in the following table which relate to 1889 allow of a partial comparison with the return of 1885:—

Small Holdings not exceeding 50 Acres (1889)					Proportional Number per Cent. of Holdings in each Class			
Classification of Holdings	Eng-land	Wales	Scot-land	Great Britain	Eng-land	Wales	Scot-land	Great Britain
From $\frac{1}{4}$ acre to 1 acre	No. 25,680	No. 1,672	No. 1,800	No. 28,652	% 8.33	% 3.74	% 2.31	% 7.00
„ 1 acre to 5 acres	109,528	12,298	22,359	144,185	35.52	27.54	39.66	35.22
„ 5 „ 20 „	111,039	18,211	22,122	151,372	36.00	40.78	39.23	36.97
„ 20 „ 50 „	62,131	12,480	10,602	85,213	20.15	27.94	18.80	20.81
Total . . .	308,378	44,661	56,883	409,422	100.00	100.00	100.00	100.00

In the same return obtained for the Board of Agriculture it is stated that the number of allotments under one acre detached from cottages in Great Britain in 1889 was 455,005, and that the total number of separate instances in which *petite culture* in one form or another exists in Great Britain is estimated to be 1,300,000.

The following table shows the number of holdings, by classes, for each county and province of Ireland, in 1892 and 1893, and the increase or decrease in the latter year:—

Provinces		Number and Classification of Holdings				
		Not exceeding 1 acre	Above 1 and not exceeding 5 acres	Above 5 and not exceeding 15 acres	Above 15 and not exceeding 30 acres	Above 30 and not exceeding 50 acres
Leinster .	{ 1892	16,920	17,863	25,686	22,191	15,169
	{ 1893	18,183	17,786	25,711	22,161	15,174
Munster .	{ 1892	14,836	11,113	19,159	24,059	22,232
	{ 1893	15,378	11,138	19,234	24,265	22,359
Ulster .	{ 1892	16,648	21,099	64,693	53,859	24,823
	{ 1893	16,274	21,128	64,396	53,785	24,819
Connaught .	{ 1892	5,797	12,750	46,487	33,505	11,308
	{ 1893	6,062	12,830	46,584	33,231	11,491
Total of Ireland	{ 1892	54,201	62,825	156,025	133,614	73,532
	{ 1893	55,897	62,882	155,925	133,442	73,843
Increase or decrease in 1893 . . .	{	Increase	Increase	Decrease	Decrease	Increase
	{	1,696	57	100	172	311

Provinces		Above 50 and not exceeding 100 acres	Above 100 and not exceeding 200 acres	Above 200 and not exceeding 500 acres	Above 500 acres	Total
Leinster . . .	{ 1892	13,883	6,883	2,778	408	121,781
	{ 1893	13,925	6,886	2,787	406	123,019
Munster . . .	{ 1892	22,131	9,209	2,715	373	125,827
	{ 1893	22,169	9,272	2,736	378	126,929
Ulster . . .	{ 1892	14,202	3,647	1,044	254	200,269
	{ 1893	14,137	3,667	1,029	275	199,510
Connaught . .	{ 1892	6,457	3,187	1,756	530	121,777
	{ 1893	6,398	3,144	1,718	526	121,984
Total of Ireland	{ 1892	56,673	22,926	8,293	1,565	569,654
	{ 1893	56,629	22,969	8,270	1,585	571,442
Increase or decrease in 1893 . . .	{	Decrease 44	Increase 43	Decrease 23	Increase 20	Increase 1,788

In 1892 the total number of occupiers was 525,275 ; in 1893, 527,364.

## II. FISHERIES.

From the preliminary report on the sea-fisheries we tabulate the following results for 1894 :—

	Excluding Shell-Fish		Value includ- ing Shell-Fish
	Weight (tons)	Value on Landing	
England . . . . .	351,182	£ 4,981,958	£ 5,291,035
Scotland . . . . .	308,604	1,565,184	1,634,816
Ireland . . . . .	42,508	260,464	274,039
Total . . . . .	702,294	6,807,606	7,199,890

This statement does not include salmon. The weight of fish caught in 1893 was 674,000 tons, valued at 6,732,000*l.*, or including shell-fish, 7,166,000*l.*

Of the fish landed in England, 261,030 tons (value 3,820,924*l.*) were landed on the east coast.

The number of men employed in the British fisheries (1892) was approximately 120,356, of whom 41,222 were English, 50,663 Scotch, and 24,962 Irish. There were 27,157 registered boats. The total value of fish (produce of the United Kingdom) exported in 1893 was 1,769,773*l.*, besides 549,885*l.* re-exported, while the value of that imported was 2,681,953*l.*

The following table shows the quantity of fish (in tons) conveyed inland by railway from the ports of the United Kingdom in each of the last five years.

—	1889	1890	1891	1892	1893
England and Wales .	286,058	283,344	294,883	323,360	327,824
Scotland .	91,271	93,681	94,062	93,506	102,626
Ireland .	9,864	7,853	7,709	8,938	9,404
Total .	387,193	385,378	396,654	425,804	439,854

### III. MINING AND METALS.

The total quantities raised, and value of the coal and iron ore of the United Kingdom, were as follows in 1878 and the last five years:—

Year	Coal		Iron Ore	
	Quantities	Value	Quantities	Value
	Tons	£	Tons	£
1878	132,654,887	46,429,210	15,726,370	5,609,507
1889	176,916,724	56,175,426	14,546,105	3,848,268
1890	181,614,288	74,953,997	13,780,767	3,926,445
1891	185,479,126	74,099,816	12,777,689	3,355,860
1892	181,786,871	66,050,451	11,312,675	2,970,632
1893	164,325,795	55,809,808	11,203,476	2,827,947

The following tables give a general summary of the mineral produce of the United Kingdom for 1893. The first table relates to the metallic minerals:—

Metallic Minerals	Minerals raised	Values	Metals contained in the Ores.	Values of Metals
	Tons	£	Tons	£
Iron ore . . . . .	11,203,476	2,827,947	3,978,694	9,333,797
Lead ore . . . . .	40,808	280,539	29,698	292,402
Tin ore . . . . .	13,689	637,053	8,838	785,741
Copper ore . . . . .	5,346	12,961	426	20,522
Zinc ore . . . . .	23,754	81,270	9,284	167,770
Bog iron ore . . . . .	10,747	2,686	—	—
Copper precipitate . . . . .	230	2,210	—	—
Silver . . . . .	—	—	Ounces 274,100	40,687
Gold ore . . . . .	4,489	7,657	2,309	8,691
Iron pyrites . . . . .	15,837	7,292	—	—
Value of chief metallic minerals . . . . .		3,859,615		
Total value of metals from British ores . . . . .				10,649,610



The following table relates to the non-metallic minerals :—

—	Tons	Value	—	Tons	Value
		£			£
Coal . . .	164,325,795	55,809,808	Gypsum . .	143,486	59,369
Stone . . .	—	7,773,743	Arsenic ore, &c. . . . .	9,012	60,642
Slates and slabs . . .	438,993	1,107,626	Barytes . .	22,343	25,363
Clays . . .	3,065,208	817,419	Other mine- rals . . .	—	19,936
Salt . . .	1,924,029	735,222			
Oil shale .	1,956,520	489,130			
Phosphate of lime . .	3,300	5,771	Total non-metallic minerals . .		66,904,029
			Total mineral produce		70,767,651

This shows a decrease of 11,583,109*l.* on 1892 in the value of the total mineral produce, and of 1,252,761*l.* in that of metals produced.

The total number of persons employed in and about all mines in the United Kingdom in 1893 was 718,747 ; of this number, 570,978 were employed underground.

The following table shows the British coal produce for 1893, arranged in districts :—

District	Tons of Coal	District	Tons of Coal
Durham, N. and S. .	30,819,070	Northumberland . .	9,112,788
Scotland . . . . .	25,482,918	Derbyshire . . . . .	7,882,779
Glamorgan . . . . .	21,835,431	Monmouthshire . . .	7,309,207
Yorkshire . . . . .	15,955,817	Nottinghamshire . .	5,328,838
Lancashire . . . . .	15,909,195	Smaller coal-fields .	11,572,306
Staffordshire . . . .	13,011,768	Ireland . . . . .	105,678
Total, United Kingdom . . . . .			164,325,795

The following table shows the progress of the exports of coal, coke, and patent fuel at intervals since 1851 :—

Year	Quantity	Value	Year	Quantity	Value
	Tons	£		Tons	£
1851	3,347,607	1,280,341	1891	31,084,116	18,895,078
1871	12,747,989	6,246,133	1892	30,453,973	16,810,758
1881	19,587,063	8,785,950	1893	29,031,955	14,375,476

Of the coal exports of 1893, 4,709,050 tons valued at 2,226,048*l.*, went to France; 3,793,484 tons, valued at 1,760,619*l.*, to Italy; 3,720,581 tons, valued at 1,559,233*l.*, to Germany; and about a million and a half tons each to Russia, Sweden, Denmark, Spain, and Egypt.

From the principal ports the export of coal, coke, and fuel in 1893 was as follows:—

Ports	Tons	Value	Ports	Tons	Value.
		£			£
Cardiff . .	10,085,848	5,376,569	Swansea . .	1,289,861	670,210
Newcastle .	4,376,008	1,895,096	Grangemouth	1,016,455	482,594
N. Shields .	2,537,802	1,176,789	Glasgow . .	665,462	313,510
Newport . .	1,859,518	972,601	S. Shields . .	537,153	264,144
Sunderland	1,741,417	717,272	Leith . . .	431,727	289,942
Kirkcaldy .	1,472,055	595,267	Hull . . .	400,622	222,929

The following table shows the production in thousands of tons of various forms of iron and steel in the United Kingdom in the years named, with the imports of iron ore and manufactured iron and steel:—

Year	Pig-iron	Manufd. Iron	Bessemer Steel	Open-hearth Steel	Iron Ore Imports	Bar Iron Imports	Manf. Iron Imports
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1868	4,970	—	110	—	114	65	16
1878	6,300	—	807	175 <sup>1</sup>	1,174	102	105
1886	6,870	1,616	1,570	694	2,876	106	177
1887	7,442	1,701	2,064	981	3,762	112	199
1888	7,998	2,031	2,012	1,292	3,562	113	227
1889	8,322	2,254	2,140	1,429	4,031	111	231
1890	7,904	1,923	2,015	1,564	4,472	93	223
1892	6,709				3,780	76	218
1893	6,977				4,065	66	217

<sup>1</sup> 1879.

The total consumption of pig-iron in the United Kingdom was in 1888, 7,052,433 tons; in 1889, 7,692,230; and in 1890, 7,294,684 tons. The average number of furnaces in blast in 1890 was 414; in 1891, 373; in 1892, 362. The number of puddling furnaces for the manufacture of puddled bar iron in operation in 1883 was 4,651; in 1888, 3,008; in 1889, 3,346; in 1890, 3,015.

The number of Bessemer steel converters at work in 1880 was 79 ; in 1886, 78 ; in 1887 and 1888, 87 ; in 1889, 83 ; in 1890, 82. The number of open-hearth steel furnaces at work in 1880 was 99 ; in 1886, 187 ; in 1887, 222 ; in 1888, 230 ; in 1889, 247 ; in 1890, 252.

The following table shows the quantities of the leading un-manufactured metals and minerals imported, in tons :—

—	1889	1890	1891	1892	1893
	Tons	Tons	Tons	Tons	Tons
Iron ore . . .	4,031,265	4,471,790	3,180,543	3,780,503	4,065,864
Copper ore . . .	250,567	215,935	212,327	226,087	199,608
Lead . . .	145,203	158,649	169,724	182,782	188,249
Tin . . .	30,092	27,038	28,207	29,468	33,553

Of the iron ore imported in 1893, 3,624,083 tons, valued at 2,417,034*l.*, came from Spain.

#### IV. TEXTILE INDUSTRY.

The quantity of raw cotton imported into the United Kingdom has been as follows :—

In 1820 . . .	152,000,000 lbs.	In 1880 . . .	1,628,664,576 lbs.
„ 1840 . . .	592,000,000 „	„ 1890 . . .	1,793,495,200 „
„ 1850 . . .	663,577,000 „	„ 1891 . . .	1,994,885,312 „
„ 1860 . . .	1,390,939,000 „	„ 1892 . . .	1,775,236,288 „
„ 1870 . . .	1,338,306,000 „	„ 1893 . . .	1,416,780,064 „

The subjoined table gives the total cotton imports, exports, and the home consumption in the last five years :—

Year	Total Imports of Cotton	Total Exports of Cotton	Retained for Home Consumption
	Lbs.	Lbs.	Lbs.
1889	1,937,462,240	277,602,304	1,659,859,936
1890	1,793,495,200	214,641,840	1,578,853,360
1891	1,994,885,312	182,008,064	1,812,877,284
1892	1,775,236,288	232,903,888	1,542,332,400
1893	1,416,780,064	224,621,488	1,192,158,576

The subjoined table exhibits the total quantities of wool—sheep, lamb, and alpaca—imported, exported, and retained for home consumption in 1874 and during the last five years :—

Year	Total Imports of Wool	Total Exports of Wool	Retained for Home Consumption
	Lbs.	Lbs.	Lbs.
1874	344,470,897	144,294,663	200,166,234
1889	700,903,057	363,647,360	337,255,697
1890	633,028,131	340,712,303	292,315,828
1891	720,014,070	384,224,656	335,789,414
1892	743,046,104	430,828,993	312,217,111
1893	677,947,464	346,369,110	331,578,354

Of the total quantity imported in 1893, 472,367,225 lbs. came from Australasia.

The following tabular statement gives a summary of the statistics of textile factories in each of the three divisions of the United Kingdom in 1890:—

—	Number of Factories	Total Number of Spindles	Number of Power Looms	Children working Half Time		Males under 18 Years working Full Time	Females above 13 Years working Full Time.	Males above 18 Years	Total Number Employed		
				Males	Females				Males	Females	Total
England and Wales	6,180	50,211,216	722,406	35,166	38,653	72,517	461,751	250,165	357,848	500,404	858,252
Scotland	747	2,413,735	71,471	2,915	3,862	10,532	104,343	32,939	46,386	108,205	154,591
Ireland	263	1,016,111	28,612	2,477	3,426	5,647	44,514	15,724	23,848	47,940	71,788
Total of the United Kingdom	7,190	53,641,062	822,489	40,558	45,941	86,968	610,608	298,828	428,082	656,549	1,084,631

With regard to the material manufactured, the factories were distributed as follows:—cotton 2,538, wool 1,793, shoddy 125, worsted 753, flax 375, hemp 105, jute 116, hair 42, cocoanut fibre 24, silk 623, lace 403, hosiery 257, elastic 54.

Of the spindles, 48,409,733 were spinning or throwing spindles and 5,321,329 doubling spindles.

Of the total number of persons employed there were 40,558 male, 45,941 female children, working half time. There were 88,696 males between thirteen and eighteen years of age, and 610,608 females over thirteen.

Comparing the return of 1890 with that of 1885, we find a decrease in the number of factories of 275, but an increase in the number of spindles of 560,950, and an increase of power-loom of 48,785. There is an increase in the whole number of persons employed of 49,720.

The following information is furnished by Mr. Thomas Ellison, of Liverpool :—

A century ago the value of cotton, woollen, and linen yarns and piece-goods produced in Great Britain and Ireland was about 22,000,000*l.*—say, woollen 17,000,000*l.*, linen 4,000,000*l.*, and cotton 1,000,000*l.* Of recent years the value has been about 170,000,000*l.*—say, cotton 100,000,000*l.*, woollen 50,000,000*l.*, and linen 20,000,000*l.* The total amount of capital employed is about 200,000,000*l.*, and at least 5,000,000 people—men, women, and children—are dependent upon these industries for their livelihood. Moreover, one-half of the value of British and Irish products exported consists of textiles. The progress made by each branch is shown in the sub-joined statement of the weight of raw material used and the value of yarns and goods exported :—

Average Periods of Three Years	Weight consumed in Millions of lbs.				Value of Products exported in Thousands of £'s			
	Cotton	Wool	Flax	Total	Cotton	Woollen	Linen	Total
1798-1800	41·8	109·6	108·6	260·0	5·088	6·846	1·010	12·944
1829-1831	243·2	149·4	193·8	586·4	18·077	4·967	2·138	25·182
1859-1861	1,022·5	260·4	212·0	1,494·9	49·000	15·041	6·119	70·060
1889-1891	1,618·0	564·0	220·0	2,402·0	72·114	24·176	3·377	102·667
1892-1893	1,510·2	575·0	215·0	2,300·2	61·816	21·4·0	5·918	92·184

The following table gives the principal variations in the movements since 1860. Figures in millions of lbs., yards, and pounds sterling.

—	1860	1877	1883	1888	1891	1893
<i>Cotton.</i>	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.
Imported . . . . .	1,391	1,355	1,734	1,732	1,995	1,417
Exported . . . . .	250	169	249	271	182	225
Retained for consumption . . . . .	1,141	1,186	1,485	1,461	1,813	1,192
Actual consumption . . . . .	1,083	1,237	1,498	1,529	1,670	1,482
<i>Wool.</i>	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.
Sheep, lamb, &c., imported . . . . .	148	410	495	639	720	678
From sheepskins imported . . . . .	3	15	14	18	22	28
Produced at home . . . . .	145	152	129	134	148	151
Goats' hair imported . . . . .	3	8	13	22	20	20
Woollen rags imported . . . . .	13	75	81	71	83	74
Total . . . . .	312	660	732	884	993	951

—	1860	1877	1883	1888	1891	1893
Foreign wool exported . . . . .	31	187	277	339	384	346
Domestic wool exported . . . . .	11	10	19	24	17	16
Total . . . . .	42	197	296	363	401	362
Retained for consumption . . . . .	270	463	436	521	592	589
Actual consumption . . . . .	270	435	455	528	600	580
<i>Flax and Tow.</i>	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.
Imported . . . . .	164	259	185	205	188	170
Produced at home . . . . .	53	49	47	46	28	27
Total . . . . .	217	308	232	251	216	197
Exported . . . . .	6	3	7	9	14	9
Retained for consumption . . . . .	211	305	225	242	202	188
Actual consumption . . . . .	211	305	230	235	200	200
<i>Piece-Goods Exported.</i>	mil. yds.	mil. yds.	mil. yds.	mil. yds.	mil. yds.	mil. yds.
Cotton . . . . .	2,776	3,838	4,539	5,038	4,912	4,652
Woollen . . . . .	191	261	256	271	223	194
Linen . . . . .	144	178	162	177	159	158
Total . . . . .	3,111	4,277	4,957	5,486	5,294	5,004
<i>Yarn Exported.</i>	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.	mil. lbs.
Cotton . . . . .	197	228	265	256	245	206
Woollen . . . . .	26	27	33	43	41	50
Linen . . . . .	31	19	18	15	15	16
Total . . . . .	254	274	316	314	301	272
<i>Value all Kinds Exported.</i>	mil. £	mil. £	mil. £	mil. £	mil. £	mil. £
Cotton . . . . .	52·0	69·2	76·4	72·0	71·4	63·7
Woollen . . . . .	15·7	21·0	21·6	24·0	22·3	20·9
Linen . . . . .	6·6	7·1	6·5	6·4	5·9	5·8
Total . . . . .	74·3	97·3	104·5	102·4	99·6	90·4

### Commerce.

The United Kingdom is a free trading country, the only imports on which customs duties are levied being chicory, cocoa, coffee, dried fruits, spirits, tea, tobacco, and wine—spirits, tobacco, tea, and wine yielding the bulk of the entire levies. In 1893 the imports free of duty amounted to 376,279,263*l.*, and those subject to duty to 28,408,915*l.*, duty-free articles forming

about 93 per cent. and articles subject to duty about 7 per cent. of the total imports.

The declared value <sup>1</sup> of the imports and exports of merchandise of the United Kingdom was as follows during ten years :—

Year	Total Imports	Exports of British Produce	Exports of Foreign and Colonial Produce	Total Imports and Exports
	£	£	£	£
1885	370,967,955	213,115,114	58,359,194	642,442,263
1886	349,863,472	212,725,200	56,234,263	618,822,935
1887	362,227,564	221,913,910	59,348,975	643,490,449
1888	387,635,743	234,534,912	64,042,629	686,213,284
1889	427,637,595	248,935,195	66,657,484	743,230,274
1890	420,691,997	263,530,585	64,721,533	748,944,115
1891	435,441,264	247,235,150	61,878,568	744,554,982
1892	423,793,882	227,077,053	64,563,113	715,434,048
1893	404,688,178	218,094,865	59,043,405	681,826,448
1894	408,505,718	216,194,239	57,966,484	682,666,441

The following table exhibits the average share, per head of population of the United Kingdom, in the imports, the exports of British produce, and the total, during ten years :—

Year	Imports	Exports of British Produce	Total Imports and Exports
	£ s. d.	£ s. d.	£ s. d.
1884	10 18 4	6 10 6	19 4 1
1885	10 6 0	5 18 4	17 16 9
1886	9 12 8	5 17 2	17 0 10
1887	9 17 11	6 1 3	17 11 8
1888	10 10 3	6 7 2	18 12 2
1889	11 10 1	6 13 11	19 19 10
1890	11 4 6	7 0 7	19 19 7
1891	11 10 5	6 10 10	19 14 0
1892	11 2 5	5 19 2	18 15 6
1893	10 10 7	5 13 6	17 14 9

<sup>1</sup> In the United Kingdom the valuation of both imports and exports is made according to the bills of entry and the shipping bills, false declarations being punishable by fine. In case of imports, the control of the Customs administration, at least in so far as regards those articles which are subject to duty, is a guarantee of accuracy in the returns, but, as regards the exports, merchants are only required to furnish their declarations within a period of six days after the sailing of the vessel, and the only proof of their accuracy, if proof be needed, lies in an inspection of the bills of lading, the production of which the authorities have the right to demand. The valuation of imports and exports is checked in the Statistical Office of the Customs (to which a copy of the entry is sent), where the officials possess a knowledge of current values and where market reports and lists of prices current are readily available to detect any departures from substantial accuracy. It should be noted that the important difference between the system of the United Kingdom and other systems is that the former shows the values at the time of import and export, whilst in most other countries the values are computed at the prices of a year or more before. For goods imported the practice adopted is generally to take the value at the port of entry, including all incidental expenses up to the landing on the quay. For goods consigned to the English market for sale, the market value in England is required and

The share of each division of the United Kingdom in the trade of the country is shown in the following table in thousands of pounds (sterling) :—

—		1889	1890	1891	1892	1893
		£1,000	£1,000	£1,000	£1,000	£1,000
England and Wales	Imports . . .	382,547	376,427	391,468	377,740	363,470
	Exports . . .	224,925 <sup>1</sup>	237,464 <sup>1</sup>	223,309 <sup>1</sup>	204,243 <sup>1</sup>	194,478 <sup>1</sup>
		65,655 <sup>2</sup>	63,845 <sup>2</sup>	61,142 <sup>2</sup>	63,919 <sup>2</sup>	58,122 <sup>2</sup>
Total . . . . .		673,127	677,736	675,919	645,902	616,070
		36,771	35,165	34,104	35,945	32,279
Scotland	Imports . . .	22,310 <sup>1</sup>	24,750 <sup>1</sup>	22,576 <sup>1</sup>	21,565 <sup>1</sup>	22,247 <sup>1</sup>
	Exports . . .	989 <sup>2</sup>	864 <sup>2</sup>	729 <sup>2</sup>	637 <sup>2</sup>	901 <sup>2</sup>
Total . . . . .		60,070	60,779	57,409	58,147	55,427
		8,319	9,100	9,869	10,110	8,939
Ireland	Imports . . .	813 <sup>1</sup>	316 <sup>1</sup>	254 <sup>1</sup>	268 <sup>1</sup>	327 <sup>1</sup>
	Exports . . .	13 <sup>2</sup>	12 <sup>2</sup>	8 <sup>2</sup>	7 <sup>2</sup>	20 <sup>2</sup>
Total . . . . .		9,145	9,428	10,131	10,385	9,386

<sup>1</sup> British.

<sup>2</sup> Foreign and Colonial.

Thus of the total trade, 90·4 per cent. falls to England and Wales; 8·1 per cent. to Scotland; 1·4 per cent. to Ireland.

The following table gives the total value of the imports of foreign and colonial merchandise, and of the exports of British produce and manufactures from and to foreign countries and British possessions in the years 1892 and 1893 :—

Countries	Imports of Merchandise		Exports of Produce and Manufactures of U.K.	
	1892	1893	1892	1893
British Possessions :	£	£	£	£
India . . . . .	30,513,106	26,233,949	27,902,572	28,776,001
Australasia . . . .	30,542,630	29,874,362	19,275,793	15,083,490
British North America . . . . .	14,566,464	13,343,596	7,428,482	7,200,352
South Africa . . . .	5,463,278	5,550,153	7,929,484	8,584,388

recorded in the returns. This is ascertained from the declaration made by the importers, and is checked by the expert knowledge available in the Statistical Office, and by the price-lists and market reports of the day. For exports the value at the port of shipment is taken. English statistics take cognisance only of the immediate point of origin and destination, and do not record the prime origin and ultimate destination of the goods.



Countries	Imports of Merchandise		Exports of Produce and Manufactures of U.K.	
	1892	1893	1892	1893
	£	£	£	£
Straits Settlements . . .	4,868,289	4,518,387	2,092,486	1,756,537
Hong Kong . . .	836,705	885,634	1,799,812	1,822,047
British West Indies . . .	1,945,373	1,740,580	2,184,349	2,384,251
Ceylon . . .	3,945,209	4,252,794	945,051	899,739
British Guiana . . .	948,444	772,681	752,275	819,861
Channel Islands . . .	1,169,200	1,226,204	767,551	780,965
West Africa . . .	1,786,990	2,162,247	1,388,972	1,624,019
Malta . . .	103,627	76,771	772,538	721,618
Mauritius . . .	230,127	250,497	270,087	305,127
All other Possessions.	846,862	881,599	1,120,717	1,256,706
<b>Total British Possessions . . .</b>	<b>97,766,304</b>	<b>91,769,454</b>	<b>74,630,169</b>	<b>72,015,101</b>
<b>Foreign Countries :</b>				
United States . . .	108,186,317	91,783,847	26,547,234	23,957,352
France . . .	43,519,130	43,658,090	14,686,894	13,365,444
Germany . . .	25,726,738	26,364,849	17,583,412	17,698,457
Holland . . .	28,820,921	28,851,490	8,836,020	9,248,678
Belgium . . .	17,013,967	16,848,979	6,942,667	7,128,862
Russia . . .	15,122,677	18,574,565	5,357,081	6,372,236
Spain . . .	10,916,636	10,353,932	4,672,938	3,614,516
Egypt . . .	10,525,230	8,845,426	3,192,592	3,363,745
China . . .	3,583,248	3,894,258	5,776,055	4,612,885
Brazil . . .	3,511,941	4,636,102	7,910,326	7,773,433
Italy . . .	3,284,486	2,948,336	5,564,487	5,206,758
Sweden . . .	8,230,064	8,416,252	2,861,952	2,698,558
Turkey . . .	5,551,798	4,978,721	6,190,114	5,768,747
Argentine Republic . . .	4,540,358	4,836,682	5,651,605	5,535,754
Denmark . . .	8,041,662	8,936,835	2,622,435	2,539,799
Portugal . . .	3,440,822	2,377,892	1,395,191	1,739,090
Roumania . . .	2,973,794	4,218,174	1,332,590	1,397,449
Chile . . .	3,871,399	3,797,429	3,734,697	2,385,621
Japan . . .	804,003	1,046,598	2,992,068	3,485,770
Norway . . .	3,576,615	3,570,592	1,706,111	1,756,813
Java . . .	1,534,726	1,352,512	1,957,831	1,901,401
Greece . . .	1,826,984	1,420,167	921,872	604,905
Foreign West Africa . . .	413,646	382,795	1,070,516	741,073
Austria . . .	1,237,634	1,627,036	1,142,638	1,095,150
Peru . . .	1,573,813	1,399,287	763,508	790,693
Central America . . .	1,089,255	1,198,127	829,152	694,512
Uruguay . . .	288,307	131,362	1,280,829	1,499,030
Spanish West Indies . . .	90,894	130,612	1,478,171	1,321,926

Countries	Imports of Merchandise		Exports of Produce and Manufactures of U.K.	
	1892	1893	1892	1893
	£	£	£	£
Mexico . . . . .	454,070	584,235	1,298,293	1,152,847
Philippine Islands . . . . .	2,130,915	2,179,696	725,981	723,736
Colombia . . . . .	457,094	629,736	1,105,487	957,608
Venezuela . . . . .	256,739	89,684	368,915	919,261
Algeria . . . . .	674,087	477,854	333,774	225,444
Morocco . . . . .	755,404	549,687	583,386	494,908
Ecuador . . . . .	128,032	201,137	257,632	300,114
Hayti, St. Domingo . . . . .	40,971	67,706	247,971	332,810
Tunis and Tripoli . . . . .	371,378	294,604	116,027	132,321
Foreign East Africa . . . . .	20,184	42,977	193,446	318,437
Persia . . . . .	243,984	119,001	311,169	251,382
Siam . . . . .	52,205	46,995	110,120	85,961
Bulgaria . . . . .	50,824	100,188	158,001	169,711
Madagascar . . . . .	120,610	124,816	87,471	96,708
Cochin China and Tonquin . . . . .	196,421	32,017	29,822	234,799
All other Countries . . . . .	777,595	797,444	1,518,403	1,385,060
Total Foreign Countries . . . . .	326,027,578	312,918,724	152,446,884	146,079,764
Grand Total . . . . .	423,793,882	404,688,178	227,077,053	218,094,865

The following table shows the value of the imports and exports of gold and silver bullion and specie in five years :—

Year	Gold		Silver	
	Imports	Exports	Imports	Exports
	£	£	£	£
1890	23,568,049	14,306,688	10,385,659	10,863,384
1891	30,275,620	24,167,925	9,315,598	13,060,866
1892	21,583,232	14,832,122	10,746,382	14,078,568
1893	24,834,727	19,502,273	11,913,395	13,589,745
1894	27,580,926	15,647,551	11,005,507	12,171,449

The following is a summary of the imports and exports of the United Kingdom for the years ended December 31, 1893 and 1894. The figures for 1894 are those of the preliminary report :—

Imports	1893	1894	Exports of British Produce	1893	1894
	£	£		£	£
1. Animals, living (for food)	6,351,704	9,098,796	1. Animals, living	629,991	665,353
2. (a) Articles of food and drink duty free	144,267,798	139,411,601	2. Articles of food and drink	10,619,408	10,698,194
(b) Articles of food and drink dutiable	24,726,172	24,383,880	3. Raw materials	17,035,372	19,816,100
Tobacco, dutiable	3,549,162	3,512,601	4. Articles manufactured and partly manufactured, viz.:		
3. Metals	20,629,506	19,062,612	(a) Yarns and textile fabrics	96,554,056	96,090,032
4. Chemicals, dye-stuffs and tanning substances	6,353,119	6,318,268	(b) Metals and articles manufactured therefrom (except machinery)	30,837,175	28,045,527
5. Oils	7,409,905	7,505,703	(c) Machinery and mill work	13,917,543	14,265,122
6. Raw materials for textile manufactures	68,007,487	70,623,485	(d) Apparel and articles of personal use	9,548,516	8,740,732
7. Raw materials for sundry industries and manufactures	40,988,806	43,091,143	(e) Chemicals, and chemical and medicinal preparations.	8,680,313	8,496,333
8. Manufactured articles	65,854,296	68,958,531	(f) All other articles, either manufactured or partly manufactured	29,230,140	28,267,710
9. (a) Miscellaneous articles	15,958,085	15,730,266	(g) Parcel post	1,042,351	1,109,136
(b) Parcel post	619,118	808,892			
Total imports	404,688,178	408,505,718	Total British produce	218,094,865	216,194,239
			Foreign and Colonial produce	59,043,405	57,966,484
			Total exports	277,138,270	274,160,723

The imports of wheat (excluding flour), in quarters (1 quarter = 8 bushels) have been as follows in the years indicated :—

Year	Quarters	Year	Quarters	Year	Quarters
1870	7,131,100	1880	12,752,800	1890	14,063,760
1875	11,971,500	1885	14,192,000	1894	16,310,315

The following exhibits the quantities of the leading food imports enumerated at the dates noted :—

Articles	1892	1893	1894
Cereals and flour . . . Cwts.	159,432,857	161,835,574	178,477,173
Potatoes . . . . . „	3,008,336	2,828,125	2,703,803
Rice . . . . . „	6,271,699	5,449,597	5,194,652
Bacon and hams . . . „	5,134,510	4,187,298	4,846,387
Fish . . . . . „	2,550,617	2,319,838	2,556,929
Refined sugar . . . . . „	10,620,671	11,550,540	13,916,642
Raw sugar . . . . . „	16,295,647	16,032,113	14,306,739
Tea . . . . . Lbs.	239,445,467	249,546,451	244,474,625
Butter . . . . . Cwts.	2,183,009	2,327,473	2,576,063
Margarine . . . . . „	1,305,350	1,299,970	1,109,313
Cheese . . . . . „	2,232,817	2,077,462	2,263,287
Beef . . . . . „	2,355,031	2,008,566	2,346,405
Preserved meat . . . „	799,501	590,800	554,346
Fresh mutton . . . . . „	1,699,966	1,971,500	2,295,065
Sheep and lambs . (number)	79,048	62,682	484,764
Cattle . . . . . „	502,237	340,045	476,021
Eggs . . . (great hundreds)	11,139,419	11,045,986	11,876,968
Spirits . . . Proof Gallons	11,836,961	10,801,617	11,989,863
Wine . . . . . „	17,319,477	14,675,201	14,362,171

In 1894 the United Kingdom imported 12,054,989 cwt. of wheat from her own possessions, and the remainder from foreign countries. The great wheat sources in 1894 were:—

United States . . . . .	24,658,245 cwt.	Australasia . . . . .	3,877,418 cwt.
Russia . . . . .	16,775,881 „	Canada . . . . .	2,828,515 „
Argentina . . . . .	13,272,152 „	Chile . . . . .	1,764,413 „
India . . . . .	5,349,056 „	Germany . . . . .	715,043 „

The quantity of flour imported in 1894 was 19,134,605 cwt., of which 15,925,486 cwt. came from the United States.

The following table shows the quantities of tea imported into the United Kingdom from different countries in thousands of pounds:—

Country	1878	1891	1892	1893	Proportion from each Country			
					1878	1891	1892	1893
					per cent.	per cent.	per cent.	per cent.
	1000 lbs.	1000 lbs.	1000 lbs.	1000 lbs.	per cent.	per cent.	per cent.	per cent.
Holland . . . . .	3,145	1,145	1,558	2,412	1·54	·48	·65	·97
China, Hong Kong . . .	165,656	62,155	56,836	55,999	80·85	25·81	23·73	22·44
India . . . . .	35,423	110,122	110,711	115,023	17·29	45·73	46·24	46·09
Ceylon . . . . .	1	61,900	66,042	72,631	—	25·71	27·58	29·11
Other countries . . . . .	647	5,457	4,298	3,481	·32	2·27	1·80	1·39
Total . . . . .	204,872	240,779	239,445	249,546	100·00	100·00	100·00	100·00

The subjoined tables exhibit the value of the great articles of commerce imported for consumption and home produce exported in each of the last three years :—

THE PRINCIPAL ARTICLES OF IMPORT.

Principal Articles Imported	1892	1893	1894
	£	£	£
Grain and flour . . . . .	58,733,092	51,180,371	48,223,785
Cotton, raw . . . . .	37,888,356	30,684,942	32,944,346
Wool, sheep and lambs . . . . .	26,839,319	24,438,898	24,791,160
Dead meat . . . . .	22,359,070	22,331,503	22,724,273
Sugar, raw and refined . . . . .	19,768,857	22,062,438	19,149,576
Butter and margarine . . . . .	15,678,074	16,408,937	16,515,200
Wood and timber . . . . .	17,152,522	15,387,166	17,146,896
Silk manufactures . . . . .	11,289,692	11,728,406	12,749,035
Flax, hemp, and jute . . . . .	9,097,534	8,306,153	9,040,101
Tea . . . . .	10,047,354	10,124,810	9,840,206
Woollen manufactures . . . . .	9,469,038	9,875,181	9,261,316
Animals . . . . .	9,362,135	6,351,704	9,098,796
Oils . . . . .	7,076,462	7,400,905	7,505,703
Chemicals, dye stuffs, &c. . . . .	6,680,539	6,335,119	6,318,268
Seeds . . . . .	7,044,335	7,020,737	7,125,534
Fruits and hops . . . . .	5,779,686	5,540,409	6,270,824
Currants and raisins . . . . .	2,328,529	1,614,782	1,761,948
Leather . . . . .	6,397,821	6,581,142	7,094,156
Wine . . . . .	6,019,559	5,302,202	5,020,097
Cheese . . . . .	5,416,784	5,160,918	5,467,137
Metals—			
Copper, ore, &c. . . . .	3,877,479	3,318,962	2,260,590
,, part wrought, &c. . . . .	1,665,942	1,914,317	2,364,318
Iron ore . . . . .	2,716,820	2,792,028	2,983,597
,, in bars . . . . .	692,259	593,033	555,558
,, manufactures . . . . .	3,034,692	2,965,022	3,061,035
Lead . . . . .	1,976,436	1,855,215	1,511,855
Tin . . . . .	2,743,814	2,892,107	2,718,499
Zinc and its manufactures . . . . .	1,565,671	1,405,750	1,194,771
Eggs . . . . .	3,794,718	3,875,647	3,786,320
Coffee . . . . .	3,935,759	3,987,406	3,525,016
Tobacco . . . . .	3,538,444	3,549,182	3,512,601

THE PRINCIPAL ARTICLES OF EXPORT (HOME PRODUCE).

Principal Articles Exported	1892	1893	1894
	£	£	£
Cotton manufactures . . . . .	56,265,468	54,699,367	57,297,120
Cotton yarn . . . . .	9,693,351	9,055,502	9,289,078
Total of cotton . . . . .	65,958,819	63,754,869	66,586,198

Principal Articles Exported	1892	1893	1894
	£	£	£
Woollen manufactures . . . . .	17,906,608	16,404,035	14,035,544
Woollen and worsted yarn . . . . .	4,059,778	4,531,832	4,721,874
<b>Total of woollen and worsted . . . . .</b>	<b>21,966,386</b>	<b>20,935,867</b>	<b>18,757,418</b>
Linen manufactures . . . . .	5,165,902	4,775,140	4,504,639
„ yarn . . . . .	890,142	1,005,102	938,419
Jute manufactures . . . . .	2,593,759	2,391,461	2,093,625
„ yarn . . . . .	285,882	298,418	382,382
Apparel and haberdashery . . . . .	6,604,911	5,751,829	5,372,952
<b>Metals :</b>			
Iron, pig . . . . .	1,974,745	1,971,518	1,912,350
„ bar, angle, bolt, and rod . . . . .	1,147,682	929,552	822,557
„ railroad, of all sorts . . . . .	2,247,222	2,511,014	1,885,568
„ wire . . . . .	793,915	647,461	621,422
„ tin plates . . . . .	5,330,216	4,991,300	4,350,217
„ hoops, sheets, and plates . . . . .	3,340,675	3,264,977	2,999,777
„ cast and wrought, of all sorts . . . . .	4,362,289	3,765,025	3,438,065
„ old, for re-manufacture . . . . .	327,616	334,274	226,873
Steel, wrought and unwrought . . . . .	2,241,408	2,177,456	2,474,311
<b>Total of iron and steel . . . . .</b>	<b>21,765,768</b>	<b>20,592,577</b>	<b>18,731,140</b>
Hardwares and cutlery . . . . .	2,194,726	2,046,606	1,838,126
Copper . . . . .	3,763,529	3,021,767	2,367,433
Machinery . . . . .	13,887,357	13,917,543	14,265,122
Coals, cinders, fuel, &c. . . . .	16,810,758	14,375,476	17,375,807
Chemicals . . . . .	8,584,893	8,680,313	8,496,333

The following table shows the quantity of the principal food imports retained for home consumption per head of population in each of the last five years:—

Article	1889	1890	1891	1892	1893
Bacon and hams . lbs.	12·67	13·55	13·11	14·10	11·73
Butter . . . . .	5·60	5·83	6·14	6·23	6·59
Cheese . . . . .	5·57	6·23	5·86	6·39	5·87
Eggs . . . . .	30·37	32·91	33·68	35·03	34·39
Wheat and flour . lbs.	219·03	226·38	244·06	252·73	247·65
Sugar . . . . .	77·19	73·21	80·17	77·84	78·85
Tea . . . . .	4·99	5·17	5·36	5·43	5·41
Rice . . . . .	10·74	9·38	8·85	8·91	8·54
Tobacco . . . . .	1·51	1·55	1·61	1·64	1·63

The total value of goods transhipped for transit in 1889 was 10,181,012*l.*; 1890, 9,772,227*l.*; 1891, 9,923,480*l.*; 1892, 10,580,716*l.*; 1893, 11,546,204*l.*

## Shipping and Navigation.

The number and tonnage of registered sailing and steam (exclusive of river steamers) vessels of the United Kingdom engaged in the home trade—the expression ‘home trade’ signifying the coasts of the United Kingdom, or ‘ports between the limits of the river Elbe and Brest’—with the men (exclusive of masters) employed thereon was as follows in each of the last five years:—

Year	Sailing Vessels			Steam Vessels		
	Number	Tons	Men	Number	Tons	Men
1889	8,985	571,438	38,314	1,841	289,245	21,015
1890	8,894	575,147	37,618	2,004	325,082	22,850
1891	8,675	556,968	36,714	2,211	354,714	25,107
1892	8,428	539,326	35,495	2,344	371,530	26,611
1893	8,211	518,264	34,659	2,446	372,527	27,809

The number and tonnage of those engaged partly in the home and partly in the foreign trade was as follows:—

Year	Sailing Vessels			Steam Vessels		
	Number	Tons	Men	Number	Tons	Men
1889	500	66,619	2,856	260	118,407	4,092
1890	381	50,991	2,219	250	133,563	4,386
1891	312	40,248	1,796	286	166,813	5,169
1892	283	37,200	1,655	306	206,660	6,228
1893	263	32,345	1,467	345	224,562	6,438

The number and tonnage of those engaged in the foreign trade alone was as follows:—

Year	Sailing Vessels			Steam Vessels		
	Number	Tons	Men	Number	Tons	Men
1889	2,484	2,338,289	46,595	3,484	4,257,156	117,391
1890	2,295	2,267,434	44,381	3,601	4,563,119	124,654
1891	2,127	2,250,285	42,679	3,632	4,795,513	129,015
1892	2,082	2,388,800	43,639	3,577	4,905,996	128,107
1893	1,994	2,348,584	42,180	3,569	5,045,106	128,421

A summary of the total shipping of the United Kingdom, sailing and steam, engaged in the home and foreign trade, during the last ten years is given in the following table:—

Year	Number of Vessels	Tons	Men	Year	Number of Vessels	Tons	Men
1884	18,744	7,083,944	199,654	1889	17,554	7,641,154	230,263
1885	18,791	7,209,163	198,781	1890	17,425	7,915,336	236,108
1886	17,917	7,144,097	204,470	1891	17,243	8,164,541	240,480
1887	17,723	7,123,754	202,543	1892	17,020	8,449,512	241,735
1888	17,584	7,351,888	223,673	1893	16,828	8,541,388	240,974

The following table shows the total number and net tonnage of vessels registered as belonging to the United Kingdom (with the Isle of Man and Channel Islands) at the end of each year:—

—	Sailing Vessels		Steam Vessels		Total	
	No.	Tons	No.	Tons	No.	Tons
1889	14,640	3,041,278	7,139	4,717,730	21,779	7,759,008
1890	14,181	2,936,021	7,410	5,042,517	21,591	7,978,538
1891	13,823	2,972,093	7,720	5,307,204	21,543	8,279,297
1892	13,578	3,080,272	7,950	5,564,482	21,528	8,644,754
1893	13,239	3,038,260	8,088	5,740,243	21,327	8,778,503

Of the men employed (1893) 29,549 were foreigners. The total number of vessels belonging to the British Empire in 1893 was 36,078 of 10,365,567 tons.

The number and tonnage of vessels built and first registered in the United Kingdom<sup>1</sup> in each of the last five years was as follows:—

Year	Sailing Vessels		Steamers		Total	
	Number	Tons	Number	Tons	Number	Tons
1889	277	75,696	582	554,024	859	671,505
1890	277	117,481	581	528,789	858	652,013
1891	308	191,917	622	478,682	903	670,599
1892	322	258,700	521	434,091	843	692,791
1893	333	114,895	448	380,393	781	495,288

The following is the tonnage of sailing and steam vessels (foreign trade) that entered the ports of the United Kingdom in the last five years:—



Year	Entered			Cleared			Total		
	British	Foreign	Total	British	Foreign	Total	British	Foreign	Total
	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.
1889	25,945	9,578	35,524	26,524	9,841	36,365	52,469	19,420	71,889
1890	26,777	10,057	36,835	27,195	10,253	37,448	53,973	20,310	74,283
1891	26,637	10,222	36,859	27,320	10,633	37,954	53,957	20,855	74,813
1892	27,040	10,633	37,673	27,333	10,862	38,194	54,373	21,495	75,868
1893	26,919	10,223	37,142	27,229	10,262	37,491	54,148	20,485	74,633

The total number of vessels that entered in the foreign trade in 1893 was 59,916 (23,329 foreign), and cleared, 59,918 (23,407 foreign).

The following is the tonnage of vessels with cargoes only that entered from and cleared for foreign countries and British possessions :—

Year	Entered			Cleared			Total		
	British	Foreign	Total	British	Foreign	Total	British	Foreign	Total
	1,000tns.	1,030tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.	1,000tns.
1889	21,077	7,440	28,517	24,766	8,282	33,048	45,843	15,723	61,566
1890	21,139	7,839	28,979	25,267	8,590	33,857	46,406	16,430	62,836
1891	20,347	7,754	28,101	25,188	9,026	34,213	45,375	16,780	62,154
1892	21,356	8,174	29,530	25,064	8,880	33,944	46,420	17,054	63,474
1893	20,962	7,834	28,796	24,496	8,457	32,953	45,458	16,291	61,749

Of the foreign tonnage for 1893 entered and cleared at British ports, total 20,484,183,

Norway had	5,013,533	France had	1,787,538	Russia had	617,583
Germany „	3,789,702	Denmark „	1,772,837	U.S. (Am.) „	464,468
Holland „	2,155,707	Spain „	1,165,551	Italy „	358,108
Sweden „	1,848,856	Belgium „	1,022,546	Austria „	191,136

The total tonnage entered and cleared, excluding those coastwise, was as follows at the ports named in 1893 :—

London .	13,418,056	Sunderland .	1,979,733	Bristol . .	928,274
Liverpool .	9,839,801	Newport .	1,838,928	Hartlepool .	752,738
Cardiff . .	9,408,044	Middlesbro' .	1,749,532	Belfast . .	442,969
Newcastle .	4,487,523	Leith . . .	1,569,432	Greenock .	367,748
N. & S. Shields	3,540,869	Grimsby . .	1,341,273	Dublin . . .	335,791
Hull . . . .	3,415,330	Swansea . .	1,320,144	Dundee . . .	337,038
Glasgow . .	2,748,599	Grangemouth	1,269,767	Cork . . . .	164,137
Southampton	2,130,753				

The total number of vessels that entered coastwise in 1893 was 320,372, of 51,822,530 tons; and cleared, 286,257 vessels, of 45,725,482 tons. The total number of vessels that entered the ports of the Kingdom in 1893 was 380,288, of 88,964,468 tons; and cleared, 346,175 of 83,216,391 tons.

## Internal Communications.

### I. RAILWAYS.

The following table shows the total length of British railways open at the end of the years given, and the average yearly increase in miles:—

Year	Line Open	Av. Yearly Increase	Year	Line Open	Av. Yearly Increase
	Miles	Miles		Miles	Miles
1850	6,621	265	1880	17,933	240
1860	10,433	381	1890	20,073	214
1870	15,537	510	1893	20,646	191

Of the total length of lines open January 1, 1894, there belonged to England and Wales 14,440 miles, to Scotland 3,215 miles, and to Ireland 2,991 miles.

The following table gives the length of lines open, the capital paid up, the number of passengers conveyed, and the traffic receipts of all the railways of the United Kingdom in 1878, and each of the last five years:—

Year	Length of lines open at the end of each year	Total Capital paid up (shares and loans) at the end of each year	Number of Passengers conveyed (exclusive of season-ticket holders)	Receipts		Total, including Miscellaneous
				From Passengers	From Goods Traffic	
	Miles	£	No.	£	£	£
1878	17,333	698,545,154	565,024,455	26,889,614	33,564,761	62,862,674
1889	19,943	876,595,166	775,183,073	32,630,724	41,086,333	77,025,017
1890	20,073	897,472,026	817,744,046	34,327,965	42,220,382	79,948,702
1891	20,191	919,425,121	845,463,668	35,130,916	43,230,717	81,860,607
1892	20,325	944,357,320	864,435,388	35,662,816	42,866,498	82,092,040
1893	20,646	971,323,353	873,177,052	35,849,449	40,994,637	80,631,892

Of the total capital at the end of 1893 the English railways had 800,680,677*l.*, Scottish 131,884,101*l.*, and Irish 38,758,575*l.* In the division of the receipts of 1893, England and Wales took 68,252,504*l.*, Scotland 9,130,718*l.*, and Ireland 3,248,670*l.* The working expenditure amounted to 45,695,119*l.* on all the railways, being 57 per cent. of the total receipts.

On June 30, 1894, there were in the United Kingdom 975 miles of street and road tramways open, from which, during the year 1893-94, 3,615,837*l.* had been received, and upon which 2,859,056*l.* had been expended. This left a balance of receipts of 756,781*l.* Total paid up capital 14,112,573*l.* The total number of passengers who travelled during the year on the tramways was 616,972,830.

## II. CANALS AND NAVIGATIONS.

The following table shows, for 1888 (the latest date available), the length, traffic, revenue, and expenditure of the canals and navigations in England and Wales, Scotland, and Ireland, which do not, and of those which do, belong to railway companies :—

—	Length	Traffic	Revenue	Expenditure
	Miles	Tons	£	£
Canals not belonging to railways :—				
England and Wales .	2,026	27,715,875	1,439,343	861,068
Scotland . . . .	69	69,744	12,011	16,086
Ireland . . . .	513	489,194	89,369	71,541
United Kingdom .	2,608	28,274,813	1,540,723	948,695
Canals belonging to railways :—				
England and Wales .	1,024	6,609,304	437,080	335,503
Scotland . . . .	84	1,386,617	57,178	26,599
Ireland . . . .	96	30,386	6,495	4,456
United Kingdom .	1,204	8,026,307	500,753	366,558
Total . . . .	3,813	36,301,120	2,041,476	1,315,253

The paid-up capital (from all sources) of the canals, &c., not belonging to railway companies was, in 1888 :—in England and

Wales 20,959,820*l.*; in Scotland 1,254,047*l.*; in Ireland 2,071,308*l.*; total 24,285,175*l.*

### III. POST AND TELEGRAPHS.

The number of post-offices in the United Kingdom at the end of March, 1894, was 20,016; there were besides 25,989 road and pillar letter-boxes. The staff of officers then forming part of the Post Office department was 74,819 (including 10,908 females), besides 61,000 persons (17,000 females) who do not hold permanent positions.

The following tabular statement gives the number of letters, in millions, delivered in each of the three divisions of the United Kingdom, and the average number for each individual of the population, in 1879 and the last five years:—

Year ending March 31	Number of Letters delivered (in Millions)				Number of Letters per head of the Population			
	England and Wales	Scotland	Ireland	Total U.K.	England and Wales	Scotland	Ireland	Total U.K.
	Millions	Millions	Millions	Millions				
1879	922	99	76	1,097	37	27	14	32
1890	1,413	140	96 $\frac{3}{4}$	1,650	50	35	20	44
1891	1,462 $\frac{3}{4}$	143	99 $\frac{3}{4}$	1,705 $\frac{1}{2}$	51	36	21	45
1892	1,516	146 $\frac{1}{2}$	105	1,767 $\frac{1}{2}$	52	36	23	47
1893	1,532 $\frac{1}{4}$	152 $\frac{1}{4}$	105 $\frac{3}{4}$	1,790 $\frac{1}{4}$	52	37	23	47
1894	1,549 $\frac{1}{2}$	154	108 $\frac{1}{2}$	1,812	52	37	24	47

The following are the statistics of post-cards, book-packets, newspapers, and parcels delivered in 1893–94, showing increase per cent. on the previous year:—

	England & Wales	Increase per cent.	Scotland	Increase per cent.	Ireland	Increase per cent.	United Kingdom	Increase per cent.
	Millions		Millions		Millions		Millions	
Post-cards .	209·1	1·4	27·4	2·2	12·0	6·2	248·5	1·6
Book-packets	489·7	7·4	56·2	9·8	28·4	1·9	574·3	7·3
Newspapers.	129·8	1·6	17·7	0·6	17·4	—	164·9	1·3
Parcels .	44·6	2·9	5·9	5·2	3·7	3·0	54·0	3·1

The number and value of money orders issued by the Post Office in 1880 (ending March 31) and during the last five years were as follows :—

—	Inland Orders		Total <sup>1</sup>	
	Number	Amount	Number	Amount
		£		£
1880	16,774,354	24,776,331	17,307,573	26,371,020
1890	9,027,750	23,333,417	10,374,144	27,165,905
1891	8,864,483	23,897,767	10,260,852	27,867,887
1892	8,906,576	24,383,569	10,346,630	28,429,634
1893	8,963,032	24,618,809	10,442,918	28,683,951
1894	9,027,934	24,575,036	10,524,774	28,720,829

<sup>1</sup> Including colonial and foreign orders.

The inland orders in 1893–94 were as follows :—

—	Number	Value	Number per cent. of Population
		£	
England . . .	7,483,054	20,647,160	24·9
Scotland . . .	1,008,662	2,564,601	24·4
Ireland . . .	536,218	1,363,275	11·6
Total, U.K.	9,027,934	24,575,036	23·3

The number and value of 'postal orders' were as follows :—

Year ending March 31	Number	Amount
		£
1890	44,712,548	17,737,802
1891	48,841,765	19,178,367
1892	52,659,545	20,563,750
1893	56,590,668	21,345,153
1894	57,232,939	21,768,793

The postal revenue and expenditure (exclusive of telegraphs) in the last five years (ending March 31) have been as follows :—

—	1890	1891	1892	1893	1894
	£	£	£	£	£
Gross revenue .	9,474,774	9,851,078	10,183,000	10,344,000	10,472,875
Working expenses	6,266,263	6,687,089	7,134,000	7,518,000	7,738,602
Net revenue .	3,208,511	3,163,989	3,049,000	2,826,000	2,734,273

The telegraphs were transferred to the State on February 5, 1870 ; in April, 1894, there were 35,286 miles of line and 214,804 miles of wire (including 22,741 miles of private wires, but excluding railway companies' wires).

The revenue and expenditure of the Post Office in respect of the telegraphs were as follows for the years (ending March 31) indicated :—

—	1876	1891	1892	1893	1894
	£	£	£	£	£
Gross revenue .	1,276,662	2,416,691	2,508,138	2,487,000	2,534,264
Working expenses	1,031,526	2,265,338	2,507,012	2,568,000	2,641,518
Net revenue .	245,136	151,353	1,126	- 81,000	- 107,254

There is an annual interest of 298,888*l.* to pay on capital invested in the telegraphs.

The following table gives the number of telegraphic messages forwarded from postal telegraph stations in 1879 and in each of the last five years :—

Year ending March 31	England and Wales	Scotland	Ireland	United Kingdom
1879	20,422,918	2,477,003	1,559,854	24,459,775
1890	52,416,779	6,539,289	3,411,966	62,368,034
1891	55,658,088	7,077,388	3,673,735	66,409,211
1892	58,766,105	7,155,180	3,764,195	69,685,480
1893	58,936,184	7,100,514	3,871,150	69,907,848
1894	59,631,752	7,279,894	3,987,852	70,899,498

The total number of telegraph offices at post offices was (31 March, 1894), 7,028, at railway stations, 2,182 ; total, 9,210.

The telegraph department has 28 telephone exchanges open in various country towns, with 1,370 subscribers. There are now over 46 miles of pneumatic tubing in London, connecting the Central Office with others.

### Money and Credit.

The following table shows the value of the money issued from the Royal Mint in the years named, and of the imports and exports of British gold and silver coin :—

Year	Gold Money issued	Silver Money issued	Bronze Money issued	British Gold Coin		British Silver Coin	
				Imported	Exported	Imported	Exported
	£	£	£	£	£	£	£
1878	2,265,100	567,328	39,205	6,566,001	3,544,882	151,139	184,494
1889	7,500,700	2,178,888	66,950	6,511,295	10,389,699	147,635	528,581
1890	7,680,156	1,694,688	90,285	9,242,787	8,256,129	84,186	506,996
1891	6,723,648	1,000,548	89,535	15,348,919	11,674,454	100,888	369,408
1892	13,907,840	849,932	58,556	8,128,368	6,467,076	162,528	199,084
1893	9,266,251	1,008,971	46,664	9,405,544	7,168,665	173,916	354,889

There is no State bank in the United Kingdom, but the Bank of England, the Bank of Scotland, and the Bank of Ireland have royal charters, and the first and the last lend money to the Government. The following are some statistics of the Bank of England for December of the years stated :—

Year	Issue Department			Banking Department				
	Notes issued	Securities	Bullion	Capital and "Rest"	Deposits and Post Bills	Securities	Notes in the "Reserve"	Coin in the "Reserve"
	£1,000	£1,000	£1,000	£1,000	£1,000	£1,000	£1,000	£1,000
1844	28,152	14,000	14,152	17,664	16,391	24,304	8,960	791
1864	28,036	14,650	13,386	17,910	22,078	30,611	8,663	714
1874	35,784	15,000	20,784	17,646	26,761	34,056	9,642	709
1889	33,519	16,200	17,319	17,681	28,822	36,913	9,104	486
1890	39,193	16,450	22,743	17,796	39,991	42,985	14,079	723
1891	38,099	16,450	21,649	17,720	36,216	40,843	12,447	646
1892	39,616	16,450	23,166	17,669	34,206	36,514	14,129	1,232
1893	38,955	16,450	22,505	17,745	33,898	36,156	13,504	1,983
1894	47,065	16,800	30,265	17,720	37,223	31,272	21,389	2,282

The following are some statistics of the joint-stock banks (including the national banks) of England, Scotland, and Ireland for October of the years stated :—

—	1890 <sup>1</sup>	1891 <sup>1</sup>	1892	1893	1894
	£1,000	£1,000	£1,000	£1,000	£1,000
England and Wales :—					
Deposits . . . . .	352,100	408,477	435,345	432,670	445,158
Cash in hand and at call	97,410	107,421	120,264	119,550	132,999
Reserve Notes in Bank of England . . . . .	8,643	14,079	16,298	18,169	28,220
Scotland :—					
Deposits . . . . .	88,264	91,610	92,520	92,413	92,091
Notes . . . . .	6,207	6,467	6,557	6,465	6,553
Cash and at call . . . . .	21,412	21,427	19,542	20,662	21,005
Ireland :—					
Deposits . . . . .	37,843	38,520	40,316	40,538	41,670
Notes . . . . .	6,664	6,642	5,752	5,882	5,812
Cash and at call . . . . .	9,903	9,086	8,185	8,850	10,051

<sup>1</sup> May.

There were in October, 1894, 99 joint-stock banks, making returns in England and Wales, with 2,577 branches; 4 in the Isle of Man and Channel Islands with 13 branches; 10 in Scotland, 1,006 branches; and 9 in Ireland, 486 branches. There were 32 offices in London of colonial joint-stock banks, with 1,693 branches; and 24 of foreign banks, with 146 branches. Of 41 private banks which made returns in England and Wales, the deposits amounted to 63,908,289*l.*, cash in hand and at call, 17,632,241*l.*, partners' capital and reserve, 11,982,113*l.*

The following are some statistics of the joint-stock banks, mainly for October, 1894 :—

—	English	Scotch	Irish	Colonial	Foreign
	£1,000	£1,000	£1,000	£1,000	£1,000
Subscribed capital . . . . .	208,236	29,135	25,299	46,102	32,111
Paid-up do. . . . .	58,416	9,302	7,101	27,269	20,373
Market value of do. . . . .	168,419	26,346	18,753	—	27,493
Reserve fund, dividend, &c. . . . .	30,893	6,692	3,480	8,795	7,666
Notes in circulation . . . . .	26,335	6,553	5,812	7,158	2,970
Deposit and current ac- counts . . . . .	445,158	92,091	41,670	161,590	58,250
Total liabilities <sup>1</sup> . . . . .	579,228	119,545	58,596	235,373	121,125
Cash in hand and at call . . . . .	132,999	21,005	10,051	40,059	23,145
Investments . . . . .	122,934	30,640	16,054	13,312	10,596
Discounts, advances, &c. . . . .	302,881	61,117	31,478	174,495	85,078
Total assets <sup>1</sup> . . . . .	579,228	119,545	58,596	235,373	121,125

<sup>1</sup> Including other items besides those preceding.

The following are statistics of the Post-office savings-banks for five years :—



	England and Wales	Scotland	Ireland	United Kingdom <sup>1</sup>	
	£	£	£	£	
1889	Received . . .	19,572,041	500,607	1,184,845	21,257,493
	Paid . . .	15,494,852	375,869	943,546	16,814,267
	Capital . . .	58,147,393	1,377,206	3,475,021	62,999,620
1890	Received . . .	20,769,803	558,307	1,215,937	22,544,047
	Paid . . .	16,495,202	436,429	977,229	17,909,860
	Capital . . .	62,421,994	1,499,084	3,713,729	67,635,807
1891	Received . . .	21,170,281	560,964	1,261,805	22,993,050
	Paid . . .	17,574,047	445,242	1,000,566	19,019,855
	Capital . . .	66,018,228	1,614,806	3,974,968	71,608,002
1892	Received . . .	22,653,356	635,287	1,302,651	24,591,294
	Paid . . .	18,798,013	481,227	1,066,977	20,346,217
	Capital . . .	69,873,571	1,768,866	4,210,642	75,853,079
1893	Received . . .	24,352,782	741,479	1,414,867	26,509,128
	Paid . . .	19,949,093	530,120	1,285,353	21,764,566
	Capital . . .	74,277,260	1,980,225	4,340,156	80,579,641

<sup>1</sup> Including Islands in the British Seas.

The following are statistics of trustees' savings-banks :—

	England	Wales	Scotland	Ireland	United Kingdom <sup>1</sup>	
	£	£	£	£	£	
1889	Received . . .	6,359,557	112,453	2,678,340	407,581	9,557,931
	Int. cred. . .	823,470	21,281	221,705	48,249	1,114,705
	Paid . . .	8,765,323	151,071	2,596,041	437,069	11,949,504
	Capital . . .	32,816,323	872,921	9,372,745	2,065,862	45,127,820
1890	Received . . .	6,234,996	124,055	2,824,391	380,965	9,564,407
	Int. cred. . .	788,333	20,976	227,242	48,174	1,084,725
	Paid . . .	8,607,201	165,502	2,870,407	483,290	12,126,400
	Capital . . .	31,232,451	852,455	9,553,971	2,011,675	43,650,552
1891	Received . . .	5,916,495	122,654	2,832,427	381,894	9,253,470
	Int. cred. . .	760,605	20,766	232,959	46,906	2,061,236
	Paid . . .	7,694,740	144,537	2,798,920	451,496	11,089,693
	Capital . . .	30,214,811	851,338	9,820,437	1,988,979	42,875,565
1892	Received . . .	5,830,193	107,614	2,830,666	372,727	9,141,200
	Int. cred. . .	741,122	20,536	237,929	47,191	1,046,778
	Paid . . .	7,238,846	145,486	2,870,979	422,783	10,678,094
	Capital . . .	29,547,230	834,002	10,018,053	1,986,114	42,385,449
1893	Received . . .	5,677,539	91,639	2,973,494	355,457	9,098,129
	Int. cred. . .	730,752	19,100	249,086	45,703	1,044,641
	Paid . . .	6,819,089	203,111	2,761,860	500,552	10,284,612
	Capital . . .	29,136,482	741,630	10,478,773	1,886,722	42,243,607

<sup>1</sup> Including Channel Islands.

The payments include purchases of Government Stock for depositors, and the capital is exclusive of Government Stock held for depositors.

### Money, Weights, and Measures.

The sovereign weighs 123·274 grains, or 7·9881 grammes, ·916 (or eleven-twelfths) fine, and consequently it contains 113·001 grains or 7·3224 grammes of fine gold.

The shilling weighs 87·27 grains or 5·6552 grammes, ·925 (or thirty-seven-fortieths) fine, and thus contains 80·727 grains or 5·231 grammes of fine silver.

Bronze coins consist of a mixture of copper, tin, and zinc. The penny weighs 145·83 grains, or 9·45 grammes.

The standard of value is gold. Silver is legal tender up to 40 shillings; bronze up to 12*d.*, but farthings only up to 6*d.* Bank of England notes are legal tender.

Standard units are : of length the standard *yard*, of weight the standard *pound* of 7,000 grains (the pound troy having 5,760 grains), of capacity the standard *gallon* containing 10 pounds avoirdupois of distilled water at 62° F., the barometer at 30 inches. On these units all other legal weights and measures are based.

### Statistical and other Books of Reference concerning Great Britain and Ireland.

#### 1. OFFICIAL PUBLICATIONS.

- Agricultural Returns of Great Britain. Annual. 8. London.  
 Agricultural Statistics, Ireland. Annual. 8. Dublin.  
 Army Estimates. Annual. London.  
 Army : General Annual Return. London.  
 Births, Deaths, and Marriages in England and Wales ; in Scotland ; in Ireland. Annual Reports by the respective Registrars-General.  
 Canals and Navigations : Returns made to the Board of Trade for 1888. Fol. London, 1890.  
 Census of England and Wales, 1891. Preliminary Report. London, 1891. General Report and Detailed Returns. 4 vols. London, 1893. Of Scotland, 1891. Report, with Supplement. 2 vols. Edinburgh, 1893. Of Ireland, 1891. Report. Dublin, 1892.  
 Consolidated Fund : Abstract Account. Annual. London.  
 Customs : Report of the Commissioners of H.M.'s Customs. Annual. 8. London.  
 Debt, National Sinking Fund Accounts. Annual. London.  
 Duchy of Cornwall : Accounts of Receipts and Disbursements. Annual. London.  
 Duchy of Lancaster : Accounts of Receipts and Disbursements. Annual. London.  
 Education : Elementary Schools in England and Scotland. Annual Return showing Education Expenditure upon Grants, and Results of Inspection and Examination. 8. London. Annual Reports of Committee of Council on Education in England and Wales ; in Scotland. Annual Report of the Science and Art Department. Annual Report of the Intermediate Education Board for Ireland. Annual Report of the Commissioners of National Education in Ireland.  
 Electoral Statistics, Annual Return of, in County and Borough Constituencies in England and Wales, Scotland and Ireland. Annual Return of the number of Electors on the Register of each County in England and Wales, in Scotland, and in Ireland.  
 Emigration : Annual Statistical Tables relating to Emigration and Immigration. Annual Emigration Statistics of Ireland.  
 Factories and Workshops Act : Return of the Number of Factories Authorised to be Inspected, Persons Employed, &c., for 1890. London, 1891.  
 Finance Accounts of the United Kingdom of Great Britain and Ireland. Annual. Financial Statement. Annual. Financial Estimates. Annual.  
 Fish Conveyed Inland by Railway : Annual Return. London.  
 Income and Property Tax : Return of the Amount of Income and Property Tax in Great Britain and Ireland for 1814, and in each of the years 1842 to 1880. London, 1880.  
 Inland Revenue : Report of the Commissioners on the Duties under their Management for the years 1856 to 1869, with some Retrospective History and complete Tables of Accounts of the Duties from their first Imposition. 2 vols. Fol. pp. 168 and 219. London, 1870.  
 Inland Revenue : Report of the Commissioners. Annual. 8. London.  
 Judicial Statistics of England and Wales ; of Ireland. Annual.  
 Local Taxation Returns : England. Annual. London.  
 Merchant Shipping : Tables showing the Progress of British Merchant Shipping. Annual. London.  
 Militia : Return showing Establishment of each Regiment. Annual. London.

- Mineral Statistics of Great Britain and Ireland. Annual. London.  
 Navigation and Shipping of the United Kingdom, Annual Statement of. Imp. 4. London.  
 Navy: Statistical Report on the Health of the Navy. Annual. Navy List. Quarterly.  
 8. London.  
 Poor Law, England: Annual Report of Local Government Board. 8. London.  
 Poor Rates and Pauperism, Annual Returns Relating to. London.  
 Poor Relief, Scotland: Annual Report of Commissioners. 8. Edinburgh. Ireland:  
 Report of Local Government Board for Ireland. Annual. 8. Dublin,  
 Post Office: Report of the Postmaster-General. Annual. 8. London.  
 Public Accounts: Report from the Committee. Fol. London, 1892.  
 Railway Companies of the United Kingdom. Annual Report to the Board of Trade.  
 Fol. London.  
 Railway Returns for England and Wales, Scotland, and Ireland. Annual. Fol. London.  
 Reformatory and Industrial Schools: Annual Report of Commissioners. 8. London.  
 Roll of the Lords Spiritual and Temporal. Annual. London.  
 Statistical Abstract for the United Kingdom. Annual. 8. London.  
 Statistical Abstract for the Principal Foreign Countries. Annual. 8. London.  
 Trade of the United Kingdom with Foreign Countries and British Possessions, Annual  
 Statement of. Imp. 4. London.  
 Volunteer Corps: Annual Returns. London.  
 Woods, Forests, and Land Revenues: Annual Report of the Commissioners. Fol.  
 London.  
 Yeomanry Cavalry Training Return. Annual. London.

## 2. NON-OFFICIAL PUBLICATIONS.

- Acworth* (W. M.), The Railways of England, 1889. The Railways of Scotland. 8.  
 London, 1890.  
*Anson* (Sir W. R.), Law and Custom of the Constitution. 8. London, 1892.  
*Baernreither* (I. M.), English Associations of Working Men. Eng. Trans. 8. London,  
 1889.  
*Bagehot* (W.), The English Constitution. 2nd Ed. 8. London, 1872. Lombard Street:  
 a Description of the Money Market. 10th Ed. 8. London, 1892.  
*Bevan* (C. P.), Editor, British Manufacturing Industries. A series by various writers.  
 8. London.  
*Birkbeck* (W. L. C.), Historical Sketch of the Distribution of Land in England. 8.  
 London, 1886.  
*Booth* (C.), Life and Labour of the People of London. 4 vols. London, 1889, &c. The  
 Aged Poor in England and Wales. 8. London, 1894.  
*Brabner* (J. H. F.), Gazetteer of England and Wales. Vols. I, II. London, 1894.  
*Brassey* (Lord), The British Navy. 5 vols. London, 1882-83.  
*Brassey* (T. A.), The Naval Annual. 1894.  
 Catholic Directory for 1895. London, 1894.  
*Clarke* (Major G. S.), Fortification. 8. London, 1890.  
*Clode* (Charles M.), History of the Administration and Government of the British  
 Army, from the Revolution of 1688. 2 vols. 8. London, 1869-70.  
*Colomb* (Admiral P. H.), Naval Warfare. 8. London, 1891.  
*Creasy* (Sir Edward), The Imperial and Colonial Constitutions of the Britannic Empire,  
 including Indian Institutions. 8. London, 1872.  
*Cunningham* (W.), The Growth of English Industry and Commerce during the Early and  
 Middle Ages, and in Modern Times. 2 vols. 8. London, 1890-92.  
*Dilke* (Sir Charles), Greater Britain. 2 vols. London, 1889.  
*Dilke* (Sir Charles) and *Wilkinson* (H. S.), Imperial Defence. 8. London, 1892.  
*Dowell* (Stephen), A History of Taxation and Taxes in England. 4 vols. London, 1888.  
*Eardley-Wilmot* (Captain S.), The Development of Navies. 8. London, 1892.  
*Economist*, The, Banking Supplements, published May and October annually. London.  
*Ellis's* Irish Education Directory for 1895. Dublin, 1894.  
*Findlay* (Sir G.), Working and Management of an English Railway. 5th Ed. 8. London,  
 1894.  
*Fowle* (J. W.), The Poor Law. London, 1881.  
*Freeman* (E. A.), The Growth of the English Constitution from the Earliest Times. *New*  
*Ed.* 8. London, 1873.  
*Garnier* (R. M.), History of the English Landed Interest. 2 vols. 8. London, 1893.  
*Gibbins* (H. de B.), The Industrial History of England. 8. London, 1890.  
*Giffen* (R.), Essays in Finance. 2 series. London, 1880 and 1886.  
*Gneist* (Rudolph), Das Englische Verwaltungsrecht der Gegenwart, in Vergleichung mit  
 dem Deutschen Verwaltungssystem. 2 vols. Berlin, 1884.  
*Gneist* (Rudolph), History of the English Constitution. *New Ed.* London, 1891.  
*Gneist* (Rudolph), History of the English Parliament. *Third Ed.* 1891.  
*Goodenough* (Lieut.-Col. W. H.) and *Dalton* (Lieut.-Col. J. C.), The Army Book of the  
 British Empire. 8. London, 1893.

- Green* (J. R.), History of the English People. 4 vols. London, 1877-80.
- Gross* (C.), The Guild Merchant: a Contribution to British Municipal History. 2 vols. London, 1890.
- Hertslet* (Sir E.), Treaties of Commerce and Navigation, &c., between Great Britain and Foreign Countries. London.
- Holdsworth* (E. W. H.), The Sea Fisheries of Great Britain and Ireland. 8. London, 1883.
- Hunt* (Robert), British Mining. London, 1884.
- Journal of the Royal Statistical Society of London. Quarterly. London.
- Joyce* (H.), History of the Post Office down to 1836. London, 1893.
- Lloyd's Register*, Particulars of the Warships of the World. London, 1894.
- Lloyd and Hadcock*, Artillery: its Progress and Present Position. 8. 1893.
- Mahan* (Capt. A. T.), The Influence of Sea-Power upon History. London, 1890.
- Mahan* (Capt. A. T.), The Influence of Sea-Power upon the French Revolution and Empire. 2 vols. 8. London, 1892.
- Maitland* (F. W.), Justice and Police. 8. London, 1885.
- May* (Thomas Erskine), Constitutional History of England. 2 vols. 8. London, 1861-63.
- Molesworth* (Rev. W. N.), History of England, 1830-74. 5th Edition. 3 vols. 8. London, 1874.
- O'Meara* (J. J.), Municipal Taxation at Home and Abroad. 8. London, 1894.
- Palgrave* (Reginald), The House of Commons. 8. London, 1869.
- Palgrave* (R. H. Inglis), The Local Taxation of Great Britain and Ireland. 8. London, 1871.
- Pattinson* (J. P.), British Railways. London, 1893.
- Pike* (L. O.), A Constitutional History of the House of Lords. 8. London, 1894.
- Rankin* (J.), Handbook of the Church of Scotland. 4th Ed. London, 1888.
- Robinson* (Commander C. N.), The British Fleet. 8. London, 1894.
- Rogers* (J. E. Thorold), Industrial and Commercial History of England. 8. London, 1892.
- Secley* (Prof. J. R.), The Expansion of England. London, 1883.
- Shaw-Lefevre* (G. J.), Agrarian Tenures. 8. London, 1893. English Commons and Forests. 8. London, 1893.
- Stephen* (Sir J. F.), History of the Criminal Law of England. 3 vols. London, 1883.
- Stubbs* (Professor), A Constitutional History of England, in its Origin and Development. 2 vols. 8. London, 1877.
- The English Citizen, his Rights and Responsibilities. 13 vols. London, 1881-85.
- Todd* (Al.), On Parliamentary Government in England. 2 vols. 8. London, 1887-89.
- Torrans* (W. M.), History of Cabinets. 2 vols. 8. London, 1894.
- Webb* (S. and B.), History of Trade Unionism. [Contains Bibliography.] 8. London, 1894.
- Wells* (L. B.), Map of the Canals and Navigable Rivers in England and Wales. London, 1894.
- Williams* (H.), The Steam Navy of England. 8. London, 1894.
- Williams* (H.), A Short History of the Growth of the British Navy, from the Earliest Times to Trafalgar. London, 1894.
- White* (W. H.), Naval Architecture. 8. London, 1882.

## ISLE OF MAN AND THE CHANNEL ISLANDS.

- Ansted* (D. T.) and *Latham* (R. G.), The Channel Islands. 3rd Ed. 8. London, 1893.
- Caine* (Hall), The Little Manx Nation. 8. London.
- Moore* (A. W.), Sodor and Man. [Diocesan History.] 8. London, 1893
- Walpole* (Spencer), The Land of Home Rule. 8. London, 1893.

## II. INDIA, THE COLONIES, PROTECTORATES, AND DEPENDENCIES OF THE BRITISH EMPIRE.

In the following pages the various sections of the British Empire outside the United Kingdom are arranged in alphabetical order under the divisions of the world to which they belong:— 1. Europe; 2. Asia; 3. Africa; 4. America; 5. Australasia and Oceania.

The Colonies proper form three classes:—(1) The *Crown Colonies*, which are entirely controlled by the home government; (2) those possessing *Representative Institutions*, in which the Crown has no more than a veto on legislation, but the home government retains the control of public officers; and (3) those possessing *Responsible Government*, in which the home government has no control over any public officer, though the Crown appoints the Governor and still retains a veto on legislation.

The total expenditure of the Mother Country in connection with the Colonies (exclusive of India) amounts to about 2 millions sterling annually, mainly for military and naval purposes.

According to the Army Estimates for the year 1894-95, the total effective strength of the British forces in the colonies, exclusive of India, was 32,102 of all ranks. The number of troops in the various colonies having British garrisons was as follows:—Malta, 9,040 men; Gibraltar, 4,921; Cape of Good Hope and Natal, 3,328; Ceylon, 1,656; Bermuda, 1,481; Jamaica, 1,561; Barbados and St. Lucia, 1,359; Canada (Halifax), 1,480; Hong Kong, 3,050; Straits Settlements, 1,553; Mauritius, 886; West Coast of Africa, 1,068; Cyprus, 499; St. Helena, 220; besides 73,125 in India and 5,050 in Egypt.

The contributions from colonial revenues in aid of military expenditure for 1894-95 are estimated to amount to 249,500*l.*, as follows:—Natal, 4,000*l.*; Mauritius, 18,750*l.*; Hong Kong, 40,000*l.*; Straits Settlements, 100,000*l.*; Ceylon, 81,750*l.*; Malta, 5,000*l.* India contributes 545,000*l.* in respect of effective home charges for regular forces serving in India. 260,000*l.* in respect of deferred pay of soldiers on Indian establishment, and 320,699*l.* in respect of non-effective services.

## EUROPE.

## GIBRALTAR.

*Governor.*—General Sir Robert Biddulph, R.A., G.C.M.G., C.B., salary, 125,000 pesetas (nominally 5,000*l.*). *Colonial Secretary.*—H. M. Jackson, C.M.G.

The Rock of Gibraltar is a Crown colony, situated in 36° 6' N. latitude and 5° 21' W. longitude, in the Province of Andalusia, in Spain, commanding the entrance to the Mediterranean. The Governor, who is also Commander-in-Chief, exercises all the functions of government and legislation. Area,  $1\frac{1}{10}$  square mile; greatest elevation, 1,439 feet. Population (1892), 26,050, including garrison of 5,305 men. Settled population mostly descendants of Genoese settlers. Average births per 1,000 of civil population, 25·27. Deaths per 1,000 of civil population, 15·68. Religion of fixed population mostly Roman Catholic; one Protestant cathedral and three Roman Catholic churches; annual subsidy to each communion, 500*l.* Several private English schools; elementary schools, 14 (6 Roman Catholic). Pupils, 1,805 in 1893. Government grant, 1,393*l.* One magistrate's court and a supreme court.

Chief sources of revenue:—Port dues, rent of Crown estate, excise, post-office, &c. Branches of expenditure:—Government civil establishments, administration of justice, public works, &c. Contribution by Home Government, *nil.* Industries unimportant.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Revenue . . . . .	63,674	62,461	61,136	56,735	60,919
Expenditure . . . . .	57,594	59,043	62,885	72,183	58,405

Military expenditure by Imperial Government (1893), 269,105*l.*

Government savings-bank, with 3,440 depositors and 159,844*l.* deposits (1893).

Gibraltar is a naval base and position of great strategic importance, but there is a deficiency of dock-accommodation, and of machine shops for ship-repairs. In 1893 the total tonnage of vessels entered was 4,637,454, of which 3,553,099 was British. Three miles of internal telegraph under military, and about one mile under colonial, management. Postal communication daily with England. Branch post-offices at Tangier, Lاراiche, Rabat, Casa blanca, Mazagan, Mogador, Taffi Fez, and Tetuan. There is cable communication with the Continent, the Mediterranean, Eastern ports, and England, *via* Post Office and Eastern Telegraph Company's lines.

The legal currency is that of Spain, the peseta = 1 franc; 25 pesetas nominally = 1*l.*, but exchange is generally over 29 pesetas to the £.

## Books of Reference.

Colonial Report. Annual. London.

*Drinkwater* (J.), *The Siege of Gibraltar*. 4. London, 1785.

*Field* (H. M.) *Gibraltar*. 8. London, 1889.

*Gilbard* (G. J.), *Popular History of Gibraltar*. 8. Gibraltar, 1881.

*Stoddard* (C. A.), *Spanish Cities*. 8. London, 1892.

## MALTA.

*Governor.*—Lieut. General Sir Arthur James Lyon Fremantle, K.C.M.G., C.B. (salary 5,000*l.*)

*Chief Secretary to Government.*—Count G. Strickland, C.M.G.

An island in the Mediterranean, 58 miles from Sicily, with an excellent harbour. It is one of the most important posts of call in the world, and is the base and resort for repair and refitment of our fleet in the Mediterranean. Malta is 17 miles long; area, 95 miles; and the neighbouring island, Gozo, 20 miles; total area (with Comino), 119 square miles. Population for 1893, 168,105 (Maltese, 164,564; English, 1,773; foreigners, 1,768). Local military, viz.: Royal Malta Artillery, 390, and Royal Malta Militia, 1,121. Chief town and port, Valetta. Education—91 public schools, with 13,310 pupils in 1893; Government grant, 19,632*l.* There are a university, 1 lyceum, and 2 secondary schools. In 1893, 7,357 persons were committed to prison.

The government is to some extent representative. The Governor is assisted by an executive council and a council of government, according to the Constitution of 1887, of 6 official and 14 elected.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Revenue . . .	251,175	261,254	275,125	289,231	291,158
Expenditure . .	229,703	266,900	281,870	297,371	304,993

Estimated revenue (1893), 282,407*l.*, and expenditure, 295,385*l.*

Chief sources of revenue, 1893: Customs, 159,842*l.*; land, 13,867*l.*; rents, 26,421*l.*; postage, 10,869*l.*; interest, 26,685*l.*; licences, 5,455*l.* Branches of expenditure: Establishments, 111,642*l.*; other services, 193,351*l.* Contribution from Home Government, *nil.* Public debt, 78,368*l.* Savings-bank with, for 1893, 6,259 depositors, deposits 502,747*l.*

Chief products: cotton, potatoes, oranges, figs, honey, and corn. Manufactures: cotton, filigree, lucifer-matches. Chief industry, farming; (in 1893) horses, 7,141; cattle, 7,358; sheep, 23,932.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports . . .	24,287,112	23,679,321	35,591,999	12,633,038	13,732,030
Exports . . .	23,627,082	22,144,067	34,955,979	11,742,579	12,275,141

The trade is mainly transit—Imports (1893): grain, 12,219,441*l.*; pulse, 308,281*l.*; wine, 770,506*l.*; cattle, 147,077*l.*; beer, 124,121*l.*; oil, 56,310*l.* Exports: grain, 11,966,463*l.*; pulse, 264,996*l.* British imports, 189,808*l.*, exports, 1,876,402*l.*

Vessels entered (1893), 3,851, of 3,472,285 tons; cleared, 3,748, of 3,459,378 tons. Of the total entered and cleared 4,458 were British.

Railway, 7½ miles; telegraph, 65 miles. The Post-office traffic in 1893 was: Received 792,061 Letters. 42,045 Postcards. 781,552 Newspapers. Despatched 1,603,837 ,, 79,666 ,, 985,599 ,,

## Books of Reference.

Colonial Report. Annual. London.

Ballou (M. M.), The Story of Malta. 8. Boston, 1893.

Lucas (C. P.), Historical Geography of the British Colonies. Vol. I. 8. London, 1888.

Page (G. A.), Guide to the Laws and Regulations of Malta. 8. Malta, 1892.

## A S I A.

---

### ADEN, PERIM, SOMALILAND AND SOCOTRA.

ADEN is a volcanic peninsula on the Arabian coast, about 100 miles east or Bab-el-Mandeb. It forms an important coaling-station on the highway to the East, and is strongly fortified. The settlement includes Little Aden, a peninsula very similar to Aden itself, and the settlement and town of Shaikh Othmán on the mainland with the villages of Imad, Hiswa, and Bir Jabir. It also includes the island of Perim at the entrance to the Red Sea, and is subject to the Bombay Government. The Government is administered by a Political Resident, who is also commander of the troops. The only Government revenue is from duty on liquor, opium, and salt; local taxes go to the Municipality. There is a Port Trust; the harbour is being dredged.

Area 75 square miles, of Perim 5 square miles. Population, in 1891, 41,910 against 34,860 in 1881. Imports (1893-94), by sea, 34,908,810 rupees; by land, 3,181,030 rupees; treasure, 6,420,240 rupees. Exports, by sea, 29,377,900 rupees; by land, 1,680,450 rupees; treasure, 5,815,370 rupees. 1,289 and 590 steamers visited the ports of Aden and Perim respectively, being a decrease of 75 vessels, but showing an increase of 30,435 in tonnage, against 1892-93. 1,513 dhows entered Aden in 1893-94. No public debt.

Chief exports: Coffee, gums, hides and skins, piece goods, tobacco. Chief imports: Cotton twist, piece goods, grain, hides and skins, tobacco. Aden itself is non-productive, and the trade is a purely transshipment one, except that from the interior of Arabia.

The **Somali Coast** from Wahadu, west of Zaila, to Bandar Ziyada, 49° E. long., became a British Protectorate in 1884, and is administered by a Political Agent and Consul. The area is about 75,000 square miles; no trustworthy estimate can be formed of the population, which is Mohammedan and mostly nomadic. By an arrangement with Italy in 1894, the limits of the British Protectorate were definitely defined. The line proceeds in a southerly direction from Wahadu to Jildessa, thence S.E. to 80° N. lat. E. to 48° E. long., then N.W. and N. to Bandar Ziyada. The chief town, Berbera, has about 30,000 inhabitants in the trading season; Zaila, 6,000; Bálhar, 5,000. At these three ports there are British officers and Indian troops. Revenue (1893-4), 231,460 rupees; expenditure, 140,515 rupees. Imports (1893-94), 3,601,280 rupees; exports, 3,911,398 rupees. The imports are chiefly rice, piece-goods, shirtings, and dates; the exports, skins and hides, ostrich feathers, cattle, sheep, and gum. Transport is by camels and donkeys; there are no porters.

The island of **Socotra** off the coast of Africa, and the **Kuria Muria** islands off the coast of Arabia, are also attached to Aden. Area of former, 1,382 square miles. Population, 10,000. It came under British protection in 1886, by treaty with the Sultan. Chief products, aloes; sheep, cattle, and goats are plentiful. The Kuria Muria Islands, five in number, were ceded by the Sultan of Muscat for the purpose of landing the Red Sea cable. The group is leased for the purpose of guano collection.

### BAHREIN ISLANDS.

Group of islands in the Persian Gulf, 20 miles off the coast of El Hasa, in Arabia. Bahrein, the largest, is 27 miles long by 10 wide. Moharek, on the north of Bahrein, 4 miles long,  $\frac{1}{2}$  mile wide. There are about half-a-dozen others, mere rocks. Manameh, the commercial capital, extends 10 miles



along the shore ; 8,000 inhabitants. The population is Mohammedan of the Sunni and Shiite sects. The seat of government is Moharek on the island of that name ; population about 8,000. There are about 50 villages in the islands.

The chief belongs to the ruling family of Al Kalifah ; the present chief of Bahrein is Sheikh Esau, who owes the possession of his throne entirely to British protection, which was instituted in 1837. Sheikh Esau was again formally placed under British protection in 1870, when his rivals were deported to India.

The great industry is pearl fishery, in which 400 boats, of from 8 to 20 men each, are engaged. The trade of the Bahrein Islands for 1893, including specie, was as follows : Imports, 445,192*l.*, the chief articles being pearls, 79,385*l.* ; grain and pulse, 92,671*l.* ; cotton goods, 34,661*l.* ; coffee, 15,923*l.* ; dates, 14,353*l.* ; tobacco, 5,483*l.* ; cattle, 5,996*l.* ; provisions, 6,361*l.* ; specie, 132,000*l.* Exports, 398,972*l.*, the chief articles being pearls, 227,307*l.* ; grain and pulse, 30,396*l.* ; cotton goods, 22,843*l.* ; coffee, 10,592*l.* ; dates, 8,621*l.* ; canvas, 6,289*l.* ; shells, 4,867*l.* ; specie, 62,830*l.* Of the total imports in 1893, 258,508*l.* were from British India and colonies, 121,028*l.* from Turkey ; of the exports, 323,276*l.* were to British India and colonies, 129,809*l.* to Turkey. In 1893, 728 vessels of 67,656 tons entered, and 721 vessels of 67,235 tons cleared, the port of Bahrein.

*Political Resident.*—Col. F. A. Wilson.

*See Bent (J. Th.)*, The Bahrein Islands in the Persian Gulf. Proc. R. G. Soc. (N. S. xii. 1. 8. London, 1890.

## BORNEO (BRITISH).

**British North Borneo.**—*Governor.*—Charles Vandeleur Creagh, C.M.G. ; salary, 9,000 dollars. Richard B. Martin is Chairman of the Court of Directors in London.

The territory of British North Borneo is a territory occupying the northern part of the island of Borneo, and situated nearly midway between Hong Kong and Port Darwin in Australia. The interior is mountainous, one point being 13,700 feet high, but most of the surface is jungle.

Area, 31,106 square miles, with a coast-line of over 900 miles. Population, 175,000, consisting mainly of Mohammedan settlers on the coast and aboriginal tribes inland, with some Chinese traders and artisans. Chief town, Sandakan, on the east coast.

The territory is under the jurisdiction of the British North Borneo Company, being held under grants from the Sultans of Brunei and Sulu. The cession was confirmed by Royal Charter in 1881, and the territory is administered by a Governor in Borneo and a Board of Directors in London, appointed under the Charter. On May 12, 1888, the Government proclaimed a formal protectorate over the State of North Borneo. The appointment of the Governor is subject to the approval of the Secretary of State. For administrative purposes the whole district is divided into nine provinces.

In 1889 the colony of Labuan was placed under the government of the British North Borneo Company.

About 1,000,000 acres have been alienated by the Government on leases of 999 years for tobacco planting, pepper, coffee, and other jungle products. There are 13 estates planting tobacco.

The laws are based on the Indian penal, criminal, and civil procedure codes, and local proclamations and ordinances. There is an Imaum's Court for Mohammedan law.

	1889	1890	1891	1892	1893
	Dollars	Dollars	Dollars	Dollars	Dollars
Revenue proper . . .	251,602	358,461	417,028	357,823	289,220
Land sales . . .	256,183	239,655	7,212	67,488	818
Expenditure . . .	290,189	373,139	439,664	349,398	280,050
Exports . . .	761,433	901,290	1,238,277	1,762,246	1,780,593
Imports . . .	1,799,620	2,018,289	1,936,547	1,355,864	1,116,714

The expenditure in salaries in the colony is over 100,000 dollars. Sources of revenue: Opium, spirit farms, birds'-nests, court fees, stamp duty, licences, import duties, royalties, land sales, &c. No public debt.

Most of the trade is carried on through Singapore with Great Britain and the colonies. The chief products are timber, sago, rice, gums, coffee, pepper, gambier, gutta-percha, tapioca, sweet potatoes, and tobacco, which is being planted on a large scale. Coal and gold have been found. The exports comprise mostly jungle and sea produce, wax, birds'-nests (edible), coco-nuts, gutta-percha, sago, tobacco, rattans, india-rubber, seed pearls, bêche-de-mer, &c. A flourishing timber trade is stated to have been opened with China. Exports of leaf tobacco, 1890, 2,535 bales, value 396,314 dollars; 1891, value 677,473 dollars; 1892, 1,040,674 dollars; 1893, 973,220 dollars. Shipping entered, 1893, 50,623 tons; cleared, 49,019 tons, nearly all British.

The Government issues its own copper coinage (cents and half-cents); also notes of one, five, ten, and twenty-five dollars to the extent of 100,000 dollars. Accounts are kept in U.S.A. currency.

Borneo is now connected by cable with the outer world by a branch of the cable between Labuan and Singapore. A telegraph line is being laid from Menumbok, where the cable reaches land, to Sandakan.

Native military force of 315 men under European officers. There are two Missions, one Protestant and the other Roman Catholic; and the Protestant community has a church and school at Sandakan, with a branch at Kudat.

Brunei and Sarawak.—In 1888 the neighbouring territories on the north-west coast of Borneo, Brunei and Sarawak, were placed under British protection. The area of Brunei, which is under a Sultan, is about 3,000 square miles, and its products are of the same character as those of British North Borneo.

Sarawak has an area of about 50,000 square miles, with a coast line of about 400 miles. The government of part of the present territory was obtained in 1842 by Sir James Brooke from the Sultan of Brunei. Various accessions were made between 1861 and 1885, and the Limbang River district was annexed in 1890. The Rajah, H. H. Sir Charles Johnson Brooke, nephew of the late Rajah, born June 3, 1829, succeeded in 1868. The population is about 300,000, consisting of native races, Malays, Dyaks, Kayans, and Muruts, with Chinese and other settlers. The chief towns are the capital, Kuching, about 23 miles inland, on the Sarawak River, and Sibü, 90 miles up the Rejang River, which is navigable by large steamers. Timber trade is carried on from the river mouth with Hong Kong. Brooketon is a settlement in the coal district opposite Labuan. At Kuching are Church of England and Catholic missions with schools. The revenue for 1893 was 457,122 dollars, and expenditure 478,198 dollars. The revenue is derived chiefly from the opium, gambling, arrack and pawn farms, exemption tax payable by Malays, and from Dyak revenue. There are import duties on tobacco, salt, kerosine oil, wines (duty imposed July 1894), and spirits;

export duties on sago, gambier, &c. The produce in general resembles that of North Borneo. Coal exists in large quantities, as well as gold, silver, diamonds, antimony, and quicksilver. In 1893 the imports amounted to 2,858,095 dollars (including 1,162,995 dollars, coasting trade); and the exports, 3,097,555 dollars (including 891,352 dollars, coasting trade). There are military and police forces, the former with 250 men.

### Books of Reference concerning Borneo.

- Handbook to British North Borneo. London, 1890.  
 Colonial Office List. Annual. London.  
 Boyle (Frederick), Adventures among the Dyaks of Borneo. 8. London, 1865.  
 Clutterbuck (W. J.), About Ceylon and Borneo. 8. London, 1891.  
 Hatton (Frank), North Borneo. 8. London, 1886.  
 Hatton (Joseph), The New Ceylon, a Sketch of British North Borneo. 8. London, 1886.  
 Posewitz (Th.), Borneo: Its Geology and Mineral Resources. [Translation.] 8. London, 1892.  
 Pryer (Mrs. W. B.), A Decade in Borneo. 8. London. 1894.  
 St. John (Sir S.), Life in the Forests of the Far East. 2 vols. London, 1862: Life of Sir James Brooke, Rajah of Sarawak. 8. London, 1879.  
 Wallace (A. R.), The Malay Archipelago. London, 1869.  
 Whitehead (J.), Exploration of Mount Kina Balu, North Borneo. London, 1893.

**Perim.** See ADEN, *supra*.

## CEYLON.

### Constitution and Government.

THE island of Ceylon was first settled in 1505 by the Portuguese, who established colonies in the west and south, which were taken from them about the middle of the next century by the Dutch. In 1795-96 the British Government took possession of the foreign settlements in the island, which were annexed to the Presidency of Madras; but in 1798 Ceylon was erected into a separate colony. In 1815 war was declared against the native Government of the interior, and the whole island fell under British rule.

The present form of government (representative) of Ceylon was established by Letters Patent of April 1831, and supplementary orders of March 1833. According to the terms of this Constitution, the administration is in the hands of a Governor, aided by an Executive Council of five members—viz. the Lieut.-Governor and Colonial Secretary, the Officer commanding the Troops, the Attorney-General, the Auditor-General, and the Treasurer; and a Legislative Council of 17 members, including the members of the Executive Council, four other office-holders, and eight unofficial members, representative of different races and classes in the community.

*Governor*—Hon. Sir Arthur Elibank Havelock, K.C.M.G.; President of Nevis, 1877; Chief Civil Commissioner Seychelles, 1879; Governor of West African Settlements, 1881; Governor

of Trinidad, 1884; Governor of Natal, 1885–89. Appointed to Ceylon, March 12, 1890.

The Governor has a salary of 80,000 rupees, and the Colonial Secretary, 24,000 rupees.

For purposes of general administration, the island is divided into nine provinces, presided over by Government Agents, who, with their assistants and subordinate headmen, are the channel of communication between the Government and the natives. There are three municipalities and thirteen local boards mainly for sanitary purposes.

### Area and Population.

The following table gives the area and population (including military) of the provinces of Ceylon, according to the census of 1891:—

Provinces	Area: English sqre. miles	Population, 1891		Provinces	Area: English sqre. miles	Population, 1891	
		Total	Per sq. mile			Total	Per sq. mile
Western	1,551·5	763,187	565	North-Western	3,024·5	320,032	41
Central	2,323·7	474,487	205	North Central	4,046·7	75,319	19
Northern	3,171·0	319,193	101	Uva . . . .	3,725·0	159,155	43
Southern	1,980·0	489,761	247	Sabaragamuwa	2,085·0	258,605	102
Eastern	3,657·5	148,727	41	Total . .	25,364·9	3,008,466	118

Of the total population enumerated at the census of 1891, there were 6,068 English; 21,231 descendants of Europeans; 2,041,158 Singhalese; 723,853 Tamils; 216,156 other races, including Moormen (descendants of Arabs), Malays, Veddahs (aborigines in the interior), and others.

The census returns stated 845,149 persons, or 28 per cent. of the population, to be engaged in agriculture; 102,760 in industry; 121,279 in commerce.

The Registrar-General gives the number of persons married to one thousand persons living in 1892 as 11·5, the number of births as 29·8 per 1,000, and of deaths as 27·2. The highest death-rate was in the North-Central Province, being 56·3 per 1,000 per annum. The lowest death-rate was registered in the Western Province, viz. 19·2 per 1,000. The highest birth-rate for the year was in the district of Uva, viz. 41·5 per 1,000.

The immigration returns, dealing almost entirely with agricultural labourers employed on the tea and coffee plantations, and not including the very large number of traders and domestic servants, give, in 1893, 100,152 arrivals as against 22,663 departures; the numbers being in 1892, 113,379 arrivals, as against 20,344 departures.

The principal towns, with population according to the census of 1891 are:—Colombo, 126,926; Kandy, 20,252; Galle, 33,505; Trincomalee, 11,411; Jaffna, 43,092.

### Religion and Instruction.

The principal religious creeds were returned as follows at the census of 1891:—Buddhists, 877,043; Hindoos, 615,932; Mohammedans, 211,995; Christians, 302,127.

Education has made considerable strides in Ceylon since it has been organised under a separate Government department with a director of public instruction and a staff of inspectors, as will be seen from the following table:—

	Expenditure by Government	Government Schools		Grant in Aid Schools		Unaided Schools	
		No. of Schools	Scholars	No. of Schools	Scholars	No. of Schools	Scholars
1891	Rs. 508,166	436	41,746	971	74,855	2,415	37,242
1892	Rs. 525,839	453	42,190	1,024	82,637	2,645	33,631
1893	Rs. 582,461	456	41,680	1,005	81,598	2,415	33,979

There were thus in 1893, 157,257 scholars receiving regular instruction, or a proportion of a little more than 1 in 19 of the population according to the census of 1891. The Government expenditure is now chiefly devoted towards vernacular education, which is unable to support itself, while English education has obtained such a hold upon the people that it is becoming gradually self-supporting. The only Government high English school is now the Royal College; but other high English schools receive grants in aid. The Government also gives a scholarship of 150*l.* a year for four years to enable promising students to proceed to an English university. The Cambridge local examinations, and the examinations of the London University are held annually in Ceylon by arrangement. There is an agricultural school and ten branch agricultural schools, and there are ten industrial schools and orphanages. A technical school has also been started.

### Justice, Crime, and Pauperism.

The basis of the law is the Roman-Dutch law, modified by colonial ordinances. The criminal law has been codified on the principle of the Indian Penal Code. Justice is administered by the Supreme Courts, the police courts and courts of requests, and the district courts, intermediate between the latter and the Supreme Court. There are also village councils which deal with petty offences. The number of summary convictions in 1892 was 19,705. The number of convictions before the District Court was 462, and the number of convictions in the Supreme Court 395.

The number of paupers is not known, as there is no poor law, though a few old persons receive a charitable allowance from the Government varying from Rs. 1 to Rs. 12.50 each per mensem.

### Finance.

The public revenue and expenditure of the colony, in each of the last five years, were as follows :—

Years	Revenue	Expenditure
	Rupees	Rupees
1889	15,299,877	14,906,281
1890	16,228,769	15,316,224
1891	17,962,710	16,435,079
1892	18,509,187	17,762,466
1893	18,051,950	18,276,108

The principal sources of revenue are (1893) : the customs, 4,236,925 Rs. ; the revenue derived from land, 121,508 Rs. ; licences, which in effect means the revenue from spirituous liquor, 2,359,439 Rs. ; stamps, 1,503,831 Rs. ; the proceeds of the sale of Government timber and Government salt, 1,361,697 Rs. ; and port and harbour dues, 788,558 Rs. The receipts from the Government railway were in 1893 4,985,848 Rs.

The principal items of expenditure are (1893) : civil and judicial establishments, 2,888,754 Rs. ; establishments other than civil or judicial, 2,300,299 Rs. ; contribution towards military expenditure (including cost of volunteer force) 1,410,180 Rs. (of this 1,290,462 Rs. is paid to the Imperial Government) ; pensions and retired allowances, 842,182 Rs. ; interest on loans, &c., 1,946,624 Rs. In 1893 2,476,986 Rs. out of the general revenue was spent on public works.

On December 31, 1893, the public debt of the colony amounted to 2,585,069*l.* and 2,323,371 Rs. ; it has been incurred entirely for public works, including 191 miles of railway, the Colombo breakwater, and the Colombo waterworks.

In 1893 the total local revenue amounted to 1,982,685 Rs.

### Defence.

The harbour of Trincomalee on the east coast of Ceylon is the headquarters of the British fleet in East Indian waters. It is fortified, and the fortifications are being strengthened, at the cost of the Imperial Government. The harbour of Colombo on the west coast is also protected, the colony having paid the cost of the erection of earthworks, the Imperial Government supplying the armament. Ceylon has no naval forces of its own. The amount expended by the colony for the Colombo defence works in 1893 was 3,773 Rs., in addition to the figures mentioned below.

The British troops in Ceylon are under the command of a major-general, and comprise a regiment of British infantry, artillery, and engineers, the total strength being 1,771 ; there is a volunteer force numbering 1,161 of all ranks. The colony pays 81,750*l.* per annum to the Imperial Government as the cost of the garrison. The cost of the Local Volunteer Corps was 115,945 Rs. in 1893.

### Production and Industry.

The estimated area of the colony is 16,233,000 acres, 2,026,606 acres being under cultivation, and 908,309 acres pasture land. Of this, 670,089 acres were (1893) under rice and other grains, 33,048 under coffee, 303,886 under tea, 4,136 under cinchona, 776,977 under coco nuts, 39,580 under cinnamon, 10,700 under tobacco, and 24,274 under cocoa. The live stock of the island in 1893 consisted of 4,207 horses, 1,062,776 horned cattle, 92,362 sheep, and 148,122 goats. Plumbago is a valuable mining product, and in 1893 there were 525 plumbago mines. The produce of the pearl fishery in 1890 was valued at 310,000 Rs. ; in 1891 at 960,000 Rs. (None in 1892 or in 1893.)

### Commerce.

The declared value of the total imports and exports of the colony, including bullion and specie, was as follows in each of the last five years :—

Years	Imports	Exports
	Rs.	Rs.
1889	60,695,135	46,924,505
1890	63,091,938	51,127,339
1891	66,635,392	58,799,744
1892	70,687,496	62,271,924
1893	72,340,662	74,195,368*

\* Includes value of coal to the amount of 5,217,592 Rs. re-exported, used by steamers.

The values of imports and exports are declared, and represent the wholesale values at the place of import or export. Declarations are subject to scrutiny and penalty. The Chamber of Commerce, as representing the trade of the island, assists by supplying the value on which a rated duty is levied. Quantities of imports are ascertained from invoices or by actual examination; of exports, from declarations and by examination of the shipping documents, shippers being liable to penalties for misstatement. The origin and destination of goods are also obtained from the shipping documents. In some cases, however, goods intended for transhipment abroad are so entered, e.g. to New York, *via* London. The transit trade includes all goods transhipped direct in port, as well as goods landed into transhipment warehouses. The transit trade of Colombo has largely increased of late years, but, as no bills of entry are required in respect of transhipment goods, the returns as to quantity are only approximately correct, and no returns as to value can be prepared.

Value of dutiable imports (1893), 51,533,404 Rs. ; duty free, 20,807,258 Rs.

The principal articles of export from Ceylon in 1893 were—coffee, valued at 4,256,992 Rs. ; cinchona, 275,257 Rs. ; tea, 40,723,330 Rs. ; plumbago, 2,491,267 Rs. ; cocoa-nut products, 9,566,532 Rs. ; areca nuts, 1,109,900 Rs.

The principal articles of import were—cotton goods valued at 4,883,910 Rs. ; salt-fish, 1,736,989 Rs. ; rice, paddy, &c., 29,848,767 Rs. ; coal and coke, 5,408,901 Rs. ; spirits, &c., 1,593,390 Rs. ; wines, 349,071 Rs.

Disease has in recent years greatly reduced the produce of coffee. The quantity exported fell from 824,509 cwt. in 1879 to 299,395 cwt. in 1884, to 178,490 cwt. in 1887, and to 55,423 cwt. in 1893. The exports of tea, which in 1884 amounted only to 2,392,975 lb. and in 1885 to 4,372,721 lb., reached 7,849,888 lb. in 1886, 13,834,057 lb. in 1887, 23,820,471 in 1888, 34,346,432 lb. in 1889, 45,799,518 lb. in 1890, 67,718,371 lb. in 1891, 72,282,525 lb. in 1892, and 82,269,353 lb. in 1893.

The export of cacao was, in 1885, 7,466 cwt. ; 1886, 13,056 cwt. ; 1887, 17,460 cwt. ; 1888, 12,231 cwt. ; 1889, 18,849 cwt. ; 1891, 20,615 cwt. ; 1892, 19,176 cwt. ; and in 1893, 29,776 cwt.

According to Ceylon returns the total imports from the United Kingdom in 1893 amounted to 18,864,002 Rs. and exports to 48,213,182 Rs. ; imports from India 47,104,925 Rs. ; exports to 6,518,215 Rs. The amount of trade with the United Kingdom is shown in the following table, according to the Board of Trade returns in each of the last five years.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Ceylon into U.K.	2,822,357	3,411,209	4,168,998	3,945,209	4,252,794
Exports of British produce to Ceylon	779,740	921,615	1,016,573	945,051	899,739

The import of coffee from Ceylon into the United Kingdom was of the declared value of 3,001,075*l.* in 1879, 258,340*l.* in 1889, 347,822*l.* in 1890, 334,646*l.* in 1891, 137,842*l.* in 1892, 187,815*l.* in 1893. Besides coffee, other imports are—cinchona, 239,160*l.* in 1889, 183,996*l.* in 1890, 94,178*l.* in 1891, 111,125*l.* in 1892, 49,625*l.* in 1893; coco-nut oil, 175,373*l.* in 1891, 111,044*l.* in 1892, 120,182*l.* in 1893; cinnamon, 39,854*l.* in 1891, and 36,419*l.* in 1892, 35,873*l.* in 1893; plumbago, 125,000*l.* in 1891, and 94,276*l.* in 1892, 96,823*l.* in 1893; tea, 120*l.* in 1878, 134,304*l.* in 1883, 756,018*l.* in 1887, 1,244,724*l.* in 1888, 1,682,849 in 1889, 2,108,003 in 1890, 2,997,526*l.* in 1891, 3,020,099*l.* in 1892, 3,172,554*l.* in 1893; cordage and twine, 59,726*l.* in 1891, 55,196*l.* in 1892, 56,496*l.* in 1893. Manufactured cotton goods, of the value of 164,920*l.*; iron, wrought and unwrought, 93,070*l.*; coals 137,102*l.*; machinery, 97,120*l.*, formed the staple articles of British exports to Ceylon in 1893.

### Shipping and Communications.

The total tonnage entering and clearing at Ceylon ports in 1892 was 5,790,706. In 1892, 175 sailing vessels of 11,535 tons, and 1 steamer of 255 tons, total 176 vessels of 11,788 tons, were registered as belonging to Ceylon.

Ceylon had 230½ miles of railway open for traffic in 1893, 39 miles are under construction, and 215 miles have been surveyed and projected.

In 1892 there were 182 post-offices, of which 34 were telegraph offices. There were 1,550 miles of telegraph wire.

### Money and Credit.

The estimated amount of paper money in circulation on the 31st of July, 1893, was 7,305,000 Rs. Five banks have establishments in Ceylon, but none issue notes. Bank deposits in 1890:—Mercantile Bank, 4,355,600 Rs.; Bank of Madras, 6,882,828 Rs.; National Bank, 1,187,916 Rs. The other banks are the Hong Kong and Shanghai Bank, and the Chartered Bank of India, London and China. The Ceylon Savings Bank in 1892 had deposits amounting to 2,567,225 Rs.; and the Post Office Savings Bank to 516,842 Rs.

The weights and measures of Ceylon are the same as those of the United Kingdom. The money of the country is the rupee of British India with cents in place of annas and pice; thus Ceylon has a decimal coinage.

### Dependency.

The **Maldivé Islands**, 500 miles west of Ceylon, are governed by an hereditary Sultan, who resides in the island of Malé, and pays a yearly tribute to the Ceylon Government. Next to the Sultan is the Fandiari, the head priest or judge, and besides him 6 Wazirs or Ministers of State. The Maldives are a group of 17 coral islets (atolls), richly clothed with cocoa-nut palms, and yielding millet fruit, and edible nuts.

Population estimated at about 30,000 Mohammedans. The people are civilised, and are great navigators and traders.

### Statistical and other Books of Reference concerning Ceylon.

Blue Book of Ceylon.

Census of Ceylon, 1891. Colombo, 1892.

Colonial and Indian Exhibition. Official Handbook of the Ceylon Court. London, 1887.

Colonial Office List. Annual. London.

Report on the Revenue, Trade, &c., of Ceylon, in 'Papers relating to H.M.'s Colonial Possessions.' London, 1894.

Statistics of Ceylon; in 'Statistical Abstract for the Colonial and other Possessions of the United Kingdom.' 8. London, 1894.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

Baker (Sir S. W.), Eight Years' Wanderings in Ceylon. 8. London, 1855.

Carpenter (E.), From Adam's Peak to Elephanta. 8. London, 1892.

Chalmers (R.), A History of Currency in the British Colonies. London, 1893.



- Cumming* (Miss Gordon), *Two Happy Years in Ceylon*. 2 vols. Edinburgh, 1892.  
*Ferguson* (J.), *The Ceylon Handbook and Directory*. 8. Colombo and London, 1893.  
*Ferguson* (J.), *Ceylon in 1893*. Illustrated. 4th Edition. London, 1893.  
*Gordon-Cumming* (Miss E.), *Ceylon*. London, 1891.  
*Haeckel* (E. H. P. A.), *A Visit to Ceylon*. 8. London, 1883.  
*Tennent* (Sir James Emerson), *Ceylon: an Account of the Island, Physical, Historical and Topographical*. 5th edition. London, 1860.

**Christmas Island.** See STRAITS SETTLEMENTS.

## CYPRUS.

*High Commissioner.*—Sir Walter Joseph Sendall, K.C.M.G., appointed 1892; salary, 3,000*l.*

The island is the third largest in the Mediterranean, 60 miles from the coast of Asia Minor and 41 from the coast of Syria. It is administered by Great Britain, under a convention concluded between the representatives of her Majesty and the Sultan of Turkey at Constantinople, June 4, 1878. The British High Commissioner is vested with the usual powers of a colonial governor. He is assisted by an Executive Council, consisting of the senior officer in command of the troops, the Chief Secretary, the Queen's Advocate, the Receiver-General. The Legislature consists of a Council of eighteen members, six being office holders—the Chief Secretary, the Queen's Advocate, the Receiver-General, the Chief Medical Officer, the Director of Survey and the Commissioner of Nicosia—and twelve elected (for five years), three by Mohammedans and nine by non-Mohammedan voters. The voters are all male Ottomans, or British subjects, or foreigners, twenty-one years of age, who have resided five years, and are payers of any of the taxes known as 'Verghis.' Municipal councils exist in the principal towns, elected practically by all resident householders and ratepayers. Those eligible to the council must be voters rated upon property of the annual value of from 10*l.* to 20*l.*, according to population.

Area 3,580 square miles. Population, 1891:—106,838 males, 102,448 females; total, 209,286, exclusive of the military; per square mile, 58·39. Mohammedans, 47,926; others, principally Greek Church, 161,360. The birth-rate was computed in 1890 at 33·4 per 1,000, and the death-rate at 24 per 1,000.

The principal towns are Nicosia (the capital and seat of government), 12,515; Larnaca, 7,593; Limasol, 7,388 (two chief ports); Famagusta (with Varoshia), 3,367; Papho (including Ktima), 2,801; Kyrenia, 1,322 in 1891. The island is divided into six administrative districts called respectively by the names of these six towns.

Excepting two or three so-called 'high schools,' the schools of the island are of an elementary character. There is a Government inspector, and the Government contributes 3,210*l.* per annum to elementary education. In 1893 there were 207 Christian schools with 10,524 scholars; 114 Moslem schools, with 3,885 scholars. Total cost (exclusive of Government grant), about 6,430*l.*—fees, voluntary contributions, and endowments. There are two weekly newspapers in English, six in Greek, and two in Turkish.

The law courts (reformed in 1883) consist of (1) a supreme court of civil and criminal appeal; (2) six assize courts, having unlimited criminal jurisdiction; (3) six district courts, having limited criminal jurisdiction and unlimited civil jurisdiction; (4) six magisterial courts with summary jurisdiction; (5) village judges' courts. In all, except supreme court, native (Christian and Mohammedan) judges take part. There is a large amount of crime in proportion to the population, and the people are prone to litigation. The police force when at full strength consists of about 670 men.

The revenue and expenditure for five years, ended March 31, were:—

—	1889-90	1890-91	1891-92	1892-93	1893-94
	£	£	£	£	£
Revenue . . .	174,499	194,936	217,162	189,933	177,054
Expenditure . .	106,338	107,589	112,742	111,394	117,654

Revenue is derived chiefly from tithes (in kind) on the principal products of the island, taxes on immovable property and trade profits, military exemption tax, sheep, goat, and pig tax, customs duties, excise, stamps, and court fees, and a salt monopoly. Customs revenue (1893-94), £25,001.

No Public Debt. A sum of 92,800*l.* is payable annually to the Sublime Porte under the convention of 1878. Annual grant from imperial funds to revenue, 1889-90, 45,000*l.*; 1890-91, 35,000*l.*; 1891-92, 10,000*l.*; 1892-93, *nil*.

Cyprus is essentially agricultural. Chief products—corn, cotton, carobs, linseed, olives, silk, raisins, fruit, vegetables, cheese, wool, hides, and wine. One-third of cultivable land under cultivation. Gypsum and terra umbra are found in abundance. Sponge fishery yields sponges valued at between 20,000*l.* and 30,000*l.* per annum.

The commerce, exclusive of specie, and the shipping for three years, ended March 31, and calendar years, 1892-93, were:—

—	1889-90	1890-91	1891-92	1892	1893
	£	£	£	£	£
Imports . . . .	244,324	274,123	344,125	346,821	316,872
Exports . . . .	314,628	399,648	432,419	298,165	316,543
Shipping entered and cleared (tons)	493,456	474,441	523,729	515,922	549,332

The import value is that at the port of arrival, and includes cost, freight, and other charges; the export value is that at the port of shipment when the goods are ready for exportation. Quantities and values are ascertained from declarations by importers and exporters, verified in the case of dutiable imports by actual weighing and measuring. The countries of origin and of destination of goods are also obtained from declarations checked by invoices or bills of lading when necessary. There is no transit trade.

Imports from United Kingdom, £94,765; exports to United Kingdom, £63,935; imports subject to duty, £237,480; imports duty free, £79,392.

Chief exports—Wheat, barley, carobs, wine, cotton, raisins, silk cocoons, hides and skins, wool, cheese, vetches, animals, fruit and vegetables. The principal imports are—Cotton and woollen manufactures, tobacco, groceries, rice, alcohol, iron, leather, petroleum, timber, sugar, soap, and copper manufactures.

Coins current—English, Turkish, and French gold, English silver, Cyprus piastres, half piastre and quarter piastre pieces (9 piastres = one shilling). The Imperial Ottoman Bank has establishments in the island. Turkish weights and measures current.

About 400 miles of good road, 240 miles of telegraph lines; cable connects with Alexandria and Syria. Total number of letters delivered in Cyprus, 1893-94: local 270,384; received from abroad, 232,312; posted for foreign countries, 72,435.

Annual Report of H.M.'s High Commissioner.

*Lang* (R. H.), Cyprus, its History, Resources, and Future Prospects. 8. London, 1878.

*Mallock* (W. H.), In an Enchanted Island. 8. London, 1889.

*Palma di Ccenola* (Luigi), Cyprus: its Ancient Cities, &c. 8. London, 1877.

*Robinson* (Phil), Cyprus: its Physical, Commercial, Economical, and Social Aspects. 8. London, 1878.

*Stevenson* (Mrs. Scott), Our Home in Cyprus. 3rd ed. 8. London, 1880.

## HONG KONG.

### Constitution and Government.

THE Crown colony of Hong Kong, formerly an integral part of China, was ceded to Great Britain in January 1841; the cession was confirmed by the treaty of Nanking, in August 1842; and the charter bears date April 5, 1843. Hong Kong is the great centre for British commerce with China and Japan, and a military and naval station of first-class importance.

The administration of the colony is in the hands of a Governor, aided by an Executive Council, composed of the Colonial Secretary, the Officer Commanding the Troops, the Attorney-General, the Registrar-General, the Treasurer, and the Director of Public Works. There is also a Legislative Council, presided over by the Governor, and composed of the Colonial Secretary, the Attorney-General, the Treasurer, the Director of Public Works, the Harbour Master, the Registrar-General, and five unofficial members—viz. three nominated by the Crown (one of whom is a Chinese), one nominated by the Chamber of Commerce, and one by the Justices of the Peace.

*Governor of Hong Kong.*—Sir William Robinson, K.C.M.G., Lieutenant-Governor of the Bahamas, 1874; Governor, 1875; Lieutenant-Governor of Windward Islands, 1880; Governor, 1881; Governor of Trinidad, 1885. Appointed Governor of Hong Kong, 1891.

The Governor has a salary of 32,000 dollars per annum.

### Area and Population.

Hong Kong is situated off the south-eastern coast of China, at the mouth of the Canton River, about 40 miles east of Macao, and 90 miles south of Canton. The whole of Hong Kong island forms an irregular and broken ridge, stretching nearly east and west about 11 miles, its breadth from 2 to 5 miles, and its area rather more than 29 square miles. It is separated from the mainland of China by a narrow strait, known as the Ly-ee-moon Pass, which does not exceed half a mile in width. The opposite peninsula of Kowloon, forming part of the mainland of China, was ceded to Great Britain by a treaty entered into in 1861 with the Government of China, and now forms part of Hong Kong. The city of Victoria extends for upwards of four miles along the southern shore of the beautiful harbour.

The population of Hong Kong, including the military and naval establishments, was as follows at the last census, taken in 1891 :—

	Male	Female	Total
White . . . . .	6,463	2,082	8,545
Coloured . . . . .	151,122	61,774	212,896
Total . . . . .	157,585	63,856	221,441

The total population in 1881 was 160,402; thus the increase in ten years was 61,039. The total white population in 1881 was 7,990, showing an increase during the ten years of 555. Of the coloured population in 1891,

1,901 were Indians, and 210,995 Chinese, one-third of the latter being British subjects by birth. Of the resident white population, exclusive of the military, police, naval establishment, &c., almost one-half are Portuguese by origin, and only one-third English. Next follow natives of Germany, the United States, France, Spain, Italy, and Turkey, the remainder being divided among about ten nationalities. A considerable proportion of the Indian population are included in the military and police. The estimated population on the 31st December, 1893, was 238,724, being British and foreign (white and coloured), 10,686, and Chinese, 228,038.

The births and deaths for the last five years were as follows:—

Year	Births	Deaths	Births per 1,000	Deaths per 1,000
1889 . . .	1,683	4,597	8·65	23·64
1890 . . .	1,617	4,553	8·14	22·90
1891 . . .	1,734	5,374	7·71	23·90
1892 . . .	1,843	4,907	7·96	21·18
1893 . . .	1,801	5,422	7·54	22·71

There is a constant flow of emigration from China passing through Hong Kong. In the five years from 1886 to 1890 there passed through the colony annually an average of 66,706 Chinese emigrants, more than three-fourths going to the Straits Settlements. In 1893 the number of Chinese emigrants was 82,336, and the immigrants 108,644.

### Instruction.

In 1893 there were 117 schools subject to Government supervision, as compared with 122 in 1892. Attending these schools in 1893 were 8,606 pupils, as compared with 8,277 in 1892; the total expenditure in 1893 being 78,213 dollars, as compared with 54,819 dollars in 1892. There are also many private schools, with over 2,000 pupils, a police school (with nearly 400 scholars) and a reformatory industrial school (with about 100 scholars).

### Justice and Crime.

There is a supreme court, a police magistrate's court, and a marine magistrate's court. The number of criminal convictions before the supreme court in 1890 was 43; 1891, 26; 1892, 18; 1893, 33. Before the police magistrate's court, 1890, 7,740; 1891, 13,972; 1892, 12,098; 1893, 10,650. The total number of prisoners in gaol at the end of 1892 was 467, of which 27 were Europeans. There is a police force in the colony numbering 661 men, of whom 122 are British, 210 Sikhs, and the remainder Chinese.

### Finance.

The colony has paid its local establishments since 1855, since which year it has held generally a surplus of revenue over and above its fixed expenditure.

The public revenue and expenditure of the colony were as follows in each of the last five years (the actual local rate for the dollar at the end of 1893 was 2s. 3d.)

Year	Revenue		Expenditure	
	Ordinary	Premiums from Land and Water Account	Ordinary	Extraordinary, including Defensive Works and Water Account
	Dollars	Dollars	Dollars	Dollars
1889	1,823,549	154,725	1,459,167	374,551
1890	1,995,220	16,638	1,517,843	397,507
1891	1,907,054	51,761	1,868,073	580,013
1892	2,032,244	204,688	1,882,474	460,362
1893	1,940,260	137,874	1,903,695	355,144

The public revenue of the colony is derived chiefly from land, taxes, and licences, and an opium monopoly, which together more than cover the expenses of administration. A large portion of the expenditure has to be devoted to the maintenance of a strong police force. On defensive works alone (apart from military expenditure) 647,300 dollars was spent in the six years, 1886-91. Expenditure on establishments in 1893, 155,575<sup>l</sup>.

Hong Kong has a public debt, amounting to 340,000<sup>l</sup>., which was raised in 1887 and 1893 for waterworks, fortifications, and sanitation, and other public works. On December 31, 1893, the surplus assets of the Colony exceeded its liabilities by 1,489,023<sup>1</sup> dollars.

### Defence.

There is an Imperial garrison of about 2,800 men. There is also a Volunteer Artillery Corps of 100 effective members. In 1893 the Colonial contribution to Military and Volunteers was 306,744 dollars. Hong Kong is the headquarters of the China Squadron, and there are usually several war-vessels present. The China Squadron consists of 20 vessels in all.

### Commerce and Shipping.

The commercial intercourse of Hong Kong—virtually a part of the commerce of China—is chiefly with Great Britain, India, Australia, the United States, and Germany, Great Britain absorbing about one-half of the total imports and exports. There being no custom house, there are no official returns of the value of the imports and exports of the colony from and to all countries, but only mercantile estimates, according to which the former average four, and the latter two millions sterling. Hong Kong is the centre of trade in many kinds of goods. Among the principal are opium, sugar and flour, salt, earthenware, oil, amber, cotton and cotton goods, sandal wood, ivory, betel, vegetables, live stock, granite, &c. The Chinese tea and silk trade is largely in the hands of Hong Kong firms.

The amount of the commercial intercourse between Hong Kong and the United Kingdom is shown in the following table for five years :—

<sup>1</sup> Including the unspent balance of the 1893 loan.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into Gt. Britain from Hong Kong . .	1,129,190	1,225,064	1,101,702	886,705	885,634
Exports of British Pro- duce to Hong Kong .	2,171,286	2,528,212	2,531,328	1,799,812	1,822,047

The principal imports into Great Britain from Hong Kong and exports from Great Britain to Hong Kong have been as follows in five years:—

—	1889	1890	1891	1892	1893
Imports into Gt. Britain :	£	£	£	£	£
Tea . . . . .	203,115	194,323	195,526	227,480	208,807
Silk, all sorts .	546,092	494,349	505,356	277,229	309,324
Hemp . . . . .	156,338	197,725	100,426	133,393	103,346
Copper . . . . .	37,090	102,661	68,584	—	705
Exports from Gt. Britain :					
Cottons, yarns.	1,335,135	1,583,486	1,545,554	1,073,286	944,690
Woollens . . . .	201,066	259,886	316,180	250,505	301,902
Iron . . . . .	86,743	118,397	105,468	79,662	122,075
Lead . . . . .	80,540	48,522	44,653	25,083	21,643
Copper . . . . .	82,379	84,925	92,810	56,785	50,032

The registered shipping (Dec., 1893) consists of 18 sailing vessels of 6,004 tons and 38 steamers of 22,683 tons; total tonnage, 28,687. In 1893, 4371 vessels of 5,266,349 tons entered at ports in Hong Kong, being 99,711 tons over 1892. Besides these, 23,679 junks of 1,748,892 tons arrived. The number of native vessels in Hong Kong—independent of several thousand smaller boats that visit Hong Kong annually—is about 52,000, with a tonnage of nearly 1,300,000.

### Money and Credit.

The value of Bank notes in circulation in 1893 was 6,345,002 dollars, as compared with 4,114,787 dollars in 1884; specie in reserve in 1893, 2,800,000 dollars, as compared with 1,810,033 dollars in 1884. The approximate amount of coin in circulation up to December 31, 1893 was:—Hong Kong dollars and half-dollars struck at Hong Kong Mint, 2,137,380 dollars; Hong Kong silver and copper subsidiary coins, 9,620,125 dollars.

### Money, Weights, and Measures.

The money, weights, and measures in use at Hong Kong, and the British equivalents, are:—

#### MONEY.

The Mexican *Dollar* = 100 *Cents* = Exchange (1893) at 2s. 6½*d.*  
 „ Chinese *Tael* = 10 *Mace* =  
 100 *Candareens* = 1,000 *Cash* = about 3s. 4*d.*

## WEIGHTS AND MEASURES.

The <i>Tael</i> . . . . .	=	1 $\frac{1}{3}$ oz. avoirdupois.
„ <i>Picul</i> . . . . .	=	133 lbs
„ <i>Catty</i> . . . . .	=	1 $\frac{3}{4}$ „ „
„ <i>Chek</i> . . . . .	=	14 $\frac{1}{8}$ inches.
„ <i>Cheung</i> . . . . .	=	12 $\frac{3}{16}$ feet.

Besides the above weights and measures of China, those of Great Britain are in general use in the colony.

## Statistical and other Books of Reference concerning Hong Kong.

### 1. OFFICIAL PUBLICATIONS.

Annual Report on the Blue Book of Hong Kong for 1893. Hong Kong, 1894.

Colonial Office List. 1894.

Statistical Abstract for the several Colonial and other Possessions of the United Kingdom. Annual. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Chalmers* (R.), A History of Currency in the British Colonies. London, 1893.

*Dennys* (N. B.) and *Mayers* (W. T.), China and Japan: a Complete Guide to the Open Ports of those Countries; together with Peking, Yeddo, Hong Kong, and Macao. 8. London, 1867.

Topography of China and Neighbouring States, with Degrees of Longitude and Latitude. 8. Hong Kong, 1864.

## INDIA AND DEPENDENCIES.

BRITISH INDIA, in the widest sense of the term, comprises all that part of the great Indian peninsula which is directly or indirectly under British rule, as well as certain countries beyond that area which are under the control or protection of the Governor-General. The non-British parts of India will be found included in the second part of the YEAR-BOOK among Foreign Countries. In a limited sense, the term British India applies to the districts under direct British administration, thus excluding native States. The term is so used, unless otherwise stated, in the tables, &c., that follow. The symbol Rx. stands for ten rupees. Rx. 1 = Rs. 10.

### Government and Constitution.

The present form of government of the Indian empire is established by the Act 21 & 22 Vict. cap. 106, called 'An Act for the Better Government of India,' sanctioned August 2, 1858. By this Act, all the territories heretofore under the government of the East India Company are vested in Her Majesty, and all its powers are exercised in her name; all territorial and other

revenues, and all tributes and other payments, are likewise received in her name, and disposed of for the purposes of the government of India alone.

The Secretary of State for India is invested with all the powers formerly exercised by the Company or by the Board of Control. By Act 39 & 40 Vict. cap. 10, proclaimed at Delhi, before the princes and high dignitaries of India, January 1, 1877, the Queen of Great Britain and Ireland assumed the additional title of Empress of India.

The executive authority in India is vested in a Governor-General, commonly, but not officially, styled Viceroy, appointed by the Crown, and acting under the orders of the Secretary of State for India. The Governor-General's Council is invested with power to make laws for all persons, whether British or native, foreigners or others, within the Indian territories under the dominion of Her Majesty, and for all subjects of the Crown within the dominions of Indian princes and States in alliance with Her Majesty.

*Governor-General of India.*—The Right Hon. Victor Alexander Bruce, *Earl of Elgin and Kincardine*, born May 16, 1849; educated at Eton and at Balliol College, Oxford; was Lord-Lieutenant of Fifeshire and a University Commissioner for Scotland; was Treasurer of the Household and Commissioner of Works. 1886. Appointed to be Governor-General in succession to the Marquis of Lansdowne in October, 1893.

The salary of the Governor-General is Rx. 25,080 a year.

The following is a list of the Governors-General of India, with the dates of appointment :—

Warren Hastings . . . . .	1772	Lord Ellenborough . . . . .	1842
Sir J. Macpherson . . . . .	1785	Sir H. (Lord) Hardinge . . . . .	1844
Earl (Marquis) Cornwallis . . . . .	1786	Earl of Dalhousie . . . . .	1847
Lord Teignmouth (Sir J. Shore)	1793	Lord Canning . . . . .	1855
Marquis Wellesley . . . . .	1798	Lord Elgin . . . . .	1862
Marquis Cornwallis . . . . .	1805	Sir John (Lord) Lawrence . . . . .	1863
Sir G. Barlow . . . . .	1805	Earl of Mayo . . . . .	1868
Earl of Minto . . . . .	1807	Lord (Earl of) Northbrook . . . . .	1872
Earl Moira (Marquis of Hastings)	1813	Lord (Earl) Lytton . . . . .	1876
Earl Amherst . . . . .	1823	Marquis of Ripon . . . . .	1880
Lord W. Bentinck . . . . .	1828	Marquis of Dufferin and Ava . . . . .	1884
Lord Auckland . . . . .	1835	Marquis of Lansdowne . . . . .	1888
		Earl of Elgin . . . . .	1894

The government of the Indian Empire is entrusted to a Secretary of State for India, assisted by a Council of not less than ten members, vacancies in which are now filled up by the Secretary of State for India. But the major part of the Council must be



of persons who have served or resided ten years in India, and have not left India more than ten years previous to the date of their appointment; and no person not so qualified can be appointed unless nine of the continuing members be so qualified. The office is held for a term of ten years; but a member may be removed upon an address from both Houses of Parliament, and the Secretary of State for India may for special reasons reappoint a member of the Council for a further term of five years. No member can sit in Parliament.

The duties of the Council, which has no initiative authority, are, under the direction of the Secretary of State for India, to conduct the business transacted in the United Kingdom in relation to the government of India. Moreover, by the Act of 1858, the expenditure of the revenues of India, both in India and elsewhere, is subject to the control of the Secretary of State in Council, and no grant or appropriation of any part of such revenues can be made without the concurrence of a majority of votes at a meeting of the Council. In dealing, however, with questions affecting the relations of the Government with foreign powers, in making peace and war, in prescribing the policy of the Government towards native States, and generally in matters where secrecy is necessary, the Secretary of State acts on his own authority. The Secretary has to divide the Council into committees, and to regulate the transaction of business. At least one meeting must be held every week, at which not less than five members shall be present.

The government in India is exercised by the 'Council of the Governor-General,' consisting of five ordinary members and a public works member, whose post may be left vacant at the option of the Crown. The commander-in-chief may be, and in practice always is, appointed an extraordinary member. Governors and Lieutenant-Governors become extraordinary members when the Council meets within their Provinces. The ordinary members of the Council preside over the departments of finance and commerce, home, revenue and agriculture, military administration, legislation, and public works. The Viceroy usually keeps the foreign department in his own hands. The appointment of the ordinary members of the 'Council of the Governor-General,' and of the governors of Madras and Bombay, is made by the Crown. The members of the Council, together with from ten to sixteen 'additional members for making laws and regulations,' form a Legislative Council; these additional members are nominated by the Viceroy. In accordance with the new regulations under the Indian Councils Act (55 and 56 Victoria, c. 14), five of the members so nominated must previously be recommended by various non-official bodies. The proceedings in the Legislative Council are public. The Lieutenant-Governors and chief commissioners of the other ten provinces are appointed by the Governor-General, subject to the approbation of the Secretary of State for India.

The governors of Madras and Bombay (including Sind) have each a

legislative and executive council, and a civil service of their own. The lieutenant-governors of Bengal and of the North-West Provinces (with Oudh) have each a legislative council only; the other administrators of provinces have no councils and no legislative powers. Although the Viceroy is supreme, the local governments of the various provinces enjoy a large measure of administrative independence. Each province is broken into divisions under Commissioners, and then divided into districts, which form the units of administration. At the head of each District is an executive officer (collector-magistrate, or deputy-commissioner), who has entire control of the district, and is responsible to the governor of the province. Subordinate to the magistrate (in most Districts) there are a joint magistrate, an assistant-magistrate, and one or more deputy-collectors and other officials. In some cases the magistrate-collector is also judge, while in others the two functions are separate. There are about 245 of such Districts in British India. In the accompanying census tables, Bombay, Madras, Calcutta, Rangoon, and Aden, have each been reckoned as a District; bringing the total to 250.

India is administratively divided into British territory and Native or Feudatory States; the former is under the direct control in all respects of British officials. The control which the Supreme Government exercises over the Native States varies in degree; but they are all governed by the native princes, ministers or councils with the help and under the advice of a resident, or agent, in political charge either of a single State or a group of States. The chiefs have no right to make war or peace, or to send ambassadors to each other or to external States; they are not permitted to maintain a military force above a certain specified limit; no European is allowed to reside at any of their courts without special sanction; and the Supreme Government can exercise the right of dethronement in case of misgovernment. Within these limits the more important chiefs possess sovereign authority in their own territories. Some of them are required to pay an annual tribute; with others this is nominal, or not demanded.

#### LOCAL GOVERNMENT.

There were, in March 1893, 761 municipal towns, with a population of 15 millions. The municipal bodies have the care of the roads, water supply, drains, markets, and sanitation; they impose taxes, enact bye-laws, make improvements, and spend money, but the sanction of the Provincial Government is necessary in each case before new taxes can be levied or new bye-laws can be brought into force. By the Local Self-Government Acts of 1882-84, the elective principle has been extended, in a large or small measure, all over India. In all larger towns, and in many of the smaller towns, the majority of members of committees are elected by the ratepayers, everywhere the majority of town committees consists of natives, and in many committees all the members are natives. For rural tracts, except in Burma, there are district and local boards, which are in charge of roads, district schools, and hospitals.

### Area and Population.

#### I. PROGRESS AND PRESENT POSITION OF THE POPULATION.

The following synoptical table gives the estimated population and area in square miles for six successive decennial periods. The population is in millions and two decimals.

*British Territory.*

Year	Area	Population	Year	Area	Population
1841	626,000	158·58	1871	860,000	195·84
1851	776,000	178·50	1881	875,186	198·86
1861	856,000	196·00	1891	964,993	221·17

The subjoined tables embody the leading details of the census taken February 26, 1891, and the population obtained at the previous census :—

British Provinces	Area in square miles	No. of Districts	Population in 1881	Population in 1891	Increase	Pop. per sq. mile 1891
Ajnere . . . .	2,711	2	460,722	542,358	81,636	200
Assam . . . .	49,004	13	4,881,426	5,476,833	595,407	112
<b>BENGAL :—</b>						
Bengal . . . .	70,538	26	35,607,628	38,277,339	2,669,711	543
Behar . . . .	44,186	12	23,127,104	24,393,504	1,266,400	552
Orissa . . . .	9,853	4	3,789,799	4,047,352	257,553	411
Chotá Nágpur . .	26,966	5	4,225,989	4,628,792	402,803	172
Total Bengal . .	151,543	47	66,750,520	71,846,987	4,596,467	471
Berárs . . . .	17,718	6	2,672,673	2,897,491	224,818	163
<b>BOMBAY PRESIDENCY :—</b>						
Bombay . . . .	77,275	19	14,057,284	15,985,270	1,927,986	207
Sind . . . .	47,789	5	2,413,823	2,871,774	457,951	60
Aden . . . .	80	1	34,860	44,079	9,219	—
Total Bombay . .	125,144	25	16,505,967	18,901,123	2,395,156	151
<b>BURMA :—</b>						
Upper . . . .	83,473	17	—	2,946,933	2,946,933	35
Lower . . . .	87,957	19	3,736,771	4,658,627	921,856	53
Total Burma . .	171,430	36	—	7,605,560	—	45
Central Provinces .	86,501	18	9,838,791	10,784,294	945,503	125
Coorg . . . .	1,583	1	178,302	173,055	— 5,247	109
Madras . . . .	141,189	21	30,827,113	35,630,440	4,803,327	252
<b>N.-W. PROVINCES AND OUDH :—</b>						
N.-W. Provinces .	83,286	37	32,762,766	34,254,254	1,491,488	411
Oudh . . . .	24,217	12	11,387,741	12,650,831	1,263,096	522
Total United Provinces .	107,503	49	44,150,507	46,905,085	2,754,578	436
Punjab . . . .	110,667	32	18,843,186	20,866,847	2,023,661	188
Quetta, &c. . . .	—	—	—	27,270	27,270	—
Andamans . . . .	—	—	14,628	15,609	981	—
Total British Provinces .	964,993	250	198,860,606	221,172,952	22,312,346	229

The totals for population shown in column 4, include 43,634 for the north Lushai country (under Assam), 2,946,933 for Upper Burma, and 27,270 for

Quetta, &c. Excluding the population of these tracts, not enumerated in 1881, the net increase of the population of British territory in the decade was 19,294,509. The total population of British India is about 15 per cent. of the estimated population of the globe.

The Berárs are only provisionally under British administration. Mysore was restored to the Native Government in March 1881.

Besides the provinces of India under direct British administration, there are, more or less under the control of the Indian Government, a number of feudatory or Native States, covering an extent of 595,167 English square miles, with 66,050,479 inhabitants. They are, according to the census of 1891:—

States or Agency	Area in square miles	Population 1881	Population 1891	Increase	Density per sq. mile
Haidarábád . . . . .	82,698	9,845,594	11,537,040	1,691,446	139
Baroda . . . . .	8,226	2,185,005	2,415,396	230,391	294
Mysore . . . . .	27,936	4,186,188	4,943,604	757,416	177
Kashmír . . . . .	80,900	—	2,543,952	2,543,952	31
Rájputána . . . . .	130,268	9,959,012	12,016,102	2,057,090	92
Central India . . . . .	77,808	9,387,119	10,318,812	931,693	133
Bombay States . . . . .	69,045	6,926,464	8,059,298	1,132,834	117
Madras States . . . . .	9,609	3,344,849	3,700,622	355,773	385
Central Provinces States . . . . .	29,435	1,709,720	2,160,511	450,791	73
Bengal States . . . . .	35,834	2,786,446	3,296,379	509,933	93
N.W.P. States . . . . .	5,109	741,750	792,491	50,741	155
Punjab States . . . . .	38,299	3,860,761	4,263,280	402,519	111
Shán outposts . . . . .	—	—	2,992	2,992	—
Total States . . . . .	595,167	54,932,908	66,050,479	11,117,571	111
Total India . . . . .	1,560,160	253,793,514	287,223,431	33,429,917	184

The totals for population in column 3 include 43,716 under Rájputána, 2,543,952 for Kashmír, and 2,992 for Shán States (outposts only), not enumerated in 1881. Excluding the population of tracts not enumerated in 1881, the net addition to the population of Native States comes to 8,526,911. Similarly, the net addition to the total population of all India comes to 27,821,420.

Besides the population shown in the above tables, as enumerated in 1891, other tracts were roughly enumerated by means of family or tribal registration. Other tracts, again, were duly enumerated, but the detailed returns were lost during frontier disturbances. The rough totals which have been preserved are as follows:—

British Tracts.	Approximate population.
Upper Burma frontier (in Bhámo and Kathá) . . . . .	42,217
British Baluchistan, excluding Quetta, &c. . . . .	145,417
Burma frontier . . . . .	74,276
Total British . . . . .	261,910
Sikkim . . . . .	30,458
Shán States . . . . .	372,969
Rájputána (Bhíls, &c.) . . . . .	204,241
Total native territory . . . . .	607,668

The following are further details concerning the larger Native States :—

States	Area in square miles	Population 1891	Gross Revenue Rx.	Reigning Family
Haidarábád . . . . .	82,698	11,537,040	3,500,000	Turk, <i>M.</i>
Baroda . . . . .	8,226	2,415,396	1,530,000	Maráthá
Mysore . . . . .	27,936	4,943,604	1,700,000	Hindu
Kashmír . . . . .	80,900	2,543,952	500,000	Dogra Sikh
Sikkim . . . . .	—	30,458	3,000	Buddhist
Shan States . . . . .	—	372,969	—	—
<b>Rájputána States</b>				
Údaipur . . . . .	12,861	1,844,360 <sup>1</sup>	375,000	Sesodia Rájput
Jodhpur . . . . .	37,445	2,521,727	415,700	Ráhtor Rájput
Bikaner . . . . .	23,090	831,955	180,000	Ráhtor Rájput
Jaipur . . . . .	15,349	2,832,276	619,000	Kachhwáha Rájput
Bhartpur . . . . .	1,961	640,103	271,000	Ját
Dholpur . . . . .	1,156	279,890	92,000	Ját
Alwar . . . . .	3,051	767,786	265,800	Naruka Rájput
Jhalawar . . . . .	3,043	343,601	150,000	Jhálá Rájput
Tonk . . . . .	2,839	380,069	120,000	Boner (Pathan), <i>M.</i>
Kotah . . . . .	3,803	526,267	240,000	Hára Rájput
<b>Central India States:</b>				
Indore . . . . .	9,625	1,099,990 <sup>2</sup>	637,000	Mahráthá
Rewá . . . . .	12,679	1,508,943	133,487	Mahráthá
Bhopal . . . . .	6,950	952,486	400,000	Afghán, <i>M.</i>
Gwalior . . . . .	25,855	3,378,774 <sup>2</sup>	1,400,000	Mahráthá
<b>Bombay States:</b>				
Cutch . . . . .	6,500	558,415	167,300	Rájput
Kolhapur . . . . .	2,816	913,131	319,750	Mahráthá
Khairpur (Sind) . . . . .	6,109	131,937	79,500	Baluch, <i>M.</i>
<b>Madras States:</b>				
Travancore . . . . .	6,730	2,557,736	840,000	Hindu
Cochin . . . . .	1,362	722,906	175,000	Hindu
<b>Central Prov. States:</b>				
Bastar . . . . .	13,062	310,884	20,000	Gond. Hindu
<b>Bengal States:</b>				
Kuch Behar . . . . .	1,307	578,868	207,000	Hindu
Hill Tipperah . . . . .	4,086	137,442	61,000	Hindu

*M* = Muhammadan.

<sup>1</sup> Excludes certain areas belonging to Central India chiefs.

<sup>2</sup> Includes certain areas in Rájputána.

States	Area in square miles	Population 1891	Gross Revenue Rx.	Reigning Family
N.W.P. States:				{ Rohillá Afghán, M. Hindu
Rampur . . . . .	945	551,249	345,300	
Garhwál . . . . .	4,164	241,242	22,500	
Punjab States:				
Patiála . . . . .	5,951	1,583,521	579,480	Ját Sikh
Baháwulpur . . . . .	17,285	650,042	160,000	Daudputra, M.
Jind . . . . .	1,268	284,560	63,100	Ját Sikh
Nábha . . . . .	936	282,756	70,000	Ját Sikh
Kapúrhála . . . . .	598	299,690	200,000	Sikh
Mandi . . . . .	1,131	166,923	40,000	Rájput
Sirmur (Náhan). . . . .	1,108	124,134	23,400	Rájput
Máler Kotla . . . . .	162	75,755	31,400	Afghán, M.
Farídkot . . . . .	643	115,040	30,000	Ját Sikh
Chamba . . . . .	2,126	124,032	35,000	Rájput
Suket . . . . .	404	52,403	10,100	Rájput
Kalsia . . . . .	149	68,633	7,300	Ját Sikh

M = Muhammadan.

The following table shows, in millions, the civil condition of the population of India, British territory and native States, so far as was ascertained the census:—

	Unmarried.	Married.	Widowed.	Not thus enumerated.	Total.
Males . . . . .	65·1	62·1	6·4	13·1	146·7
Females . . . . .	43·6	62·4	22·7	11·8	140·5
Total Population India . . . . .					287·2

Of the population on British territory in 1891, 112,542,739 were males, and 108,630,213 were females. Of the population of the Native States 34,184,557 were males, and 31,865,922 were females.

II. POPULATION ACCORDING TO RACE.

In the census results the total population of India is divided into 117 groups on the basis of language. But even the different native languages do not denote separate ethnical groups, many of them being only dialects, and all of them capable of classification into a few groups. The following table shows the chief linguistic groups, with the population (in millions and two decimals) assigned thereto:—

Aryo-Indic . . . . .	195·46	Mon-Annam . . . . .	·23
Dravidian . . . . .	52 96	Shán . . . . .	·18
Kolarian . . . . .	2·96	Sinitic . . . . .	·71
Gypsy . . . . .	·40	Aryo-Iranic . . . . .	1·33
Khasi . . . . .	·17	Semitic . . . . .	·05
Tibeto-Burman . . . . .	7·29	Aryo-European . . . . .	·24

The following table gives all the languages or dialects which are more prevalent than English, with the population (in millions and two decimals) of those who speak them as parent tongues:—

Languages	Pop.	Languages	Pop.	Languages	Pop.
Hindi . . . . .	85·67	Burmese . . . . .	5·93	Márwádi . . . . .	1·44
Bengalí . . . . .	41·34	Malayálum . . . . .	5·43	Pushtú . . . . .	1·08
Telugu . . . . .	19·88	Urdu <sup>1</sup> . . . . .	3·67	Karen . . . . .	·67
Mahráthí . . . . .	18·89	Sindhí . . . . .	2·59	Kól . . . . .	·65
Punjabi . . . . .	17·72	Santálí . . . . .	1·71	Tulu . . . . .	·49
Tamil . . . . .	15·23	W. Pahári . . . . .	1·52	Kachhi . . . . .	·44
Gujarátí . . . . .	10·62	Assamese . . . . .	1·43	Gypsy . . . . .	·40
Kánárese . . . . .	9·75	Gondí . . . . .	1·38	Oraon . . . . .	·37
Uriyá . . . . .	9·01	Central Pahári . . . . .	1·15	Kond . . . . .	·32

<sup>1</sup> Returned as a separate dialect only in Southern, Western, and Central India.

The English language is next in order with a population of 238,499.

The British-born population in India amounted, according to the census of 1871, to 64,061 persons, in 1881 to 89,798, and in 1891 to 100,511. In 1891, the total number of persons not born in India, including the French and Portuguese possessions, was 661,637. Of these, 478,656 returned as their birth-place countries contiguous to India; 60,519 countries in Asia remote from India, including China; 100,551 the United Kingdom; 10,095 other European, American and Australasian countries; while 11,816 were born in Africa, &c., or at sea.

## III. OCCUPATIONS OF THE POPULATION.

The following table shows, in thousands, for 1891, the distribution of the total population, male and female, according to the occupations by which they live, whether as workers or dependents:—

State and Local Administrations . . . . .	5,600	Glass, pottery and stone ware . . . . .	2,361
Defence . . . . .	664	Wood, cane and, matting . . . . .	4,293
Service of Foreign States . . . . .	500	Drugs, dyes, gums, &c. . . . .	392
Provision and care of cattle . . . . .	3,646	Leather, horns, boxes, &c. . . . .	3,285
Agriculture . . . . .	171,735	Commerce . . . . .	4,686
Personal, household, and sanitary services . . . . .	11,220	Transport and storage . . . . .	3,953
Food, drink, and stimulants . . . . .	14,576	Learned and artistic professions . . . . .	5,672
Light, firing, and forage . . . . .	3,522	Sport and amusements . . . . .	141
Buildings . . . . .	1,438	Earth work and general labour . . . . .	25,468
Vehicles and vessels . . . . .	147	Undefined and disreputable . . . . .	1,563
Articles of supplementary requirement . . . . .	1,149	Independent means . . . . .	4,774
Textile fabrics and dress . . . . .	12,611		
Metals and precious stones . . . . .	3,821	Total . . . . .	287,223

## IV. MOVEMENT OF THE POPULATION.

The registration of vital statistics among the general population is still very imperfect. The following table shows for 1892-93 the mean ratio of births and deaths per thousand of the population for the provinces of British India as officially recorded. It is admitted by the local authorities that the returns for Bengal are defective:—

	Births	Deaths
Bengal . . . . .	28·15	31·92
N. W. Provinces and Oudh . . . . .	36·17	34·11
Punjab . . . . .	38·16	49·48
Central Provinces . . . . .	38·39	34·14
Lower Burma . . . . .	23·07	18·83
Assam . . . . .	31·05	34·21
Madras . . . . .	25·1	22·3
Bombay . . . . .	34·57	32·50

The average death-rate for British India has varied from 20·98 per 1,000 in 1880 to 32·12 in 1892.

The number of coolie emigrants from India in 1886-87 was 7,978; 1887-88, 6,559; 1888-89, 10,756; 1889-90, 16,954; 1890-91, 20,085; 1891-92, 16,567; and in 1892-93, 12,318. The bulk of these emigrants go to British Colonies, mainly to Demerara, Trinidad, and Mauritius.



V. PRINCIPAL TOWNS.

There are in India 75 towns, with over 50,000 inhabitants, as follows, according to the results of the census of 1891 :—

Towns	Population	Towns	Population	Towns	Population
Calcutta (with suburbs) <sup>1</sup>	861,764	Howrah . . .	116,606	Bhartpur . . .	68,033
Bombay . . .	821,764	Baroda . . .	116,420	Salem . . .	67,710
Madras . . .	452,518	Surat . . .	109,229	Jálandhar . . .	66,202
Haidarábád		Karáchi . . .	105,199	Calicut . . .	66,078
(with suburbs)	415,039	Gwalior . . .	104,083	Gorakhpur . . .	63,620
Lucknow . . .	273,028	Indore . . .	92,329	Saháranpur . . .	63,194
Benares . . .	219,467	Trichinopoli . . .	90,609	Sholápur . . .	61,915
Delhi . . .	192,579	Madura . . .	87,423	Jodhpur . . .	61,849
Mandalay . . .	188,815	Jabalpur . . .	84,481	Aligarh . . .	61,485
Cawnpur . . .	188,712	Peshawur . . .	84,191	Muttra . . .	61,195
Bangalore . . .	180,366	Mírzápur . . .	84,130	Bellary . . .	59,467
Rangoon . . .	180,324	Dacca . . .	82,321	Negapatam . . .	59,221
Lahore . . .	176,854	Gayá . . .	80,383	Haidarábád (Sind)	58,048
Allahábád . . .	175,246	Ambála . . .	79,294	Bhaunagar . . .	57,653
Agra . . .	168,662	Faizábád . . .	78,921	Chaprá . . .	57,352
Patna . . .	165,192	Sháhjahánpur . . .	78,522	Monghyr . . .	57,077
Poona (with suburbs)	161,390	Farukhábád . . .	78,032	Bikaner . . .	56,252
Jaipur . . .	158,905	Rámpur . . .	76,733	Patiála . . .	55,856
Ahmadábád . . .	148,412	Múltán . . .	74,562	Maulmain . . .	55,785
Amritsar . . .	136,766	Mysore . . .	74,048	Siálkot . . .	55,087
Bareilly . . .	121,039	Ráwal Pindi . . .	73,795	Tanjore . . .	54,390
Meerut . . .	119,390	Darbhanga . . .	73,561	Combaconum . . .	54,307
Srinagar . . .	118,960	Moradábád . . .	72,921	Jhánsi . . .	53,779
Nágpur . . .	117,014	Bhopál . . .	70,338	Hubli . . .	52,595
		Bhágálpur . . .	69,106	Alwar . . .	52,398
		Ajmere . . .	68,843	Firozpur . . .	50,437

<sup>1</sup> Excluding Howrah.

After these towns there are 40 of between 35,000 and 50,000 inhabitants, and 109 between 20,000 and 35,000. Of the so-called villages, as many as 343,052 in 1891, contained less than 200 inhabitants each; and 222,996 contained a population varying between 200 and 500.

Religion.

The most prevalent religion in India is that of the Hindus, their number being nearly three-fourths of the total population; together with the Muhammadans, who number 57,321,164, they comprise over 92 per cent. of the whole community. The Buddhists are mostly in Burma, as will be seen from the following table, which also shows that the number of Christians is a little over 2,250,000 :—

The following Table shows the Distribution of the Population of India according to Religion, at the Census of 1891.

Presidencies, Provinces, and States	Hindus	Sikhs	Jains	Buddhists	Parsis	Muhammadians	Christians	Jews	Animistic	Others	Total
Ajmere . . . . .	437,988	213	26,939	—	198	74,265	2,683	71	—	1	542,358
Assam . . . . .	2,997,072	83	1,368	7,697	—	1,483,974	16,844	5	969,765	25	5,476,833
Bengal <sup>1</sup> . . . . .	47,824,014	417	7,270	194,717	179	23,658,347	192,484	1,447	2,763,061	11,430	74,643,366
Berar . . . . .	2,531,791	177	18,952	4	412	207,681	1,359	2	137,108	5	2,897,491
Bombay <sup>1</sup> . . . . .	21,440,991	912	555,209	698	76,774	6,390,995	170,009	13,547	311,259	27	26,960,421
Burma . . . . .	171,577	3,164	—	6,888,075	96	253,031	120,768	351	168,449	49	7,605,560
Central Provinces <sup>1</sup> . . . . .	10,489,620	173	49,212	325	781	309,479	13,308	176	2,081,721	10	12,944,805
Coorg . . . . .	158,845	—	114	—	39	12,665	3,392	—	—	—	173,055
Madras <sup>1</sup> . . . . .	34,757,520	128	27,435	1,036	247	2,475,864	1,580,179	1,309	472,808	14,536	39,331,062
N. W. P. <sup>1</sup> . . . . .	40,951,803	11,348	84,803	1,494	342	6,589,183	58,518	60	—	25	47,697,576
Punjab <sup>1</sup> . . . . .	10,237,700	1,870,481	45,683	6,236	412	12,915,643	53,909	33	—	30	25,130,127
Quetta, &c. . . . .	11,699	1,129	—	—	39	11,368	3,008	23	—	4	27,270
Andamans . . . . .	9,433	395	3	1,290	—	3,980	483	—	24	1	15,609
Haidarabad . . . . .	10,315,249	4,637	27,845	—	1,038	1,188,666	20,429	26	29,130	—	11,537,040
Baroda . . . . .	2,137,568	11	50,332	1	8,206	188,740	646	36	29,854	2	2,415,396
Mysore . . . . .	4,639,127	29	13,278	5	35	252,973	38,135	21	—	1	4,943,604
Kashmir . . . . .	691,800	11,399	593	29,608	9	1,793,710	218	—	—	16,615	2,543,952
Rajputana . . . . .	10,192,829	1,116	417,618	—	238	991,351	1,855	15	411,078	2	12,016,102
Central India . . . . .	7,755,246	1,825	89,984	—	837	568,640	5,999	72	1,916,209	—	10,318,812
Shan States . . . . .	1,855	196	—	175	2	609	154	—	1	—	2,992
Total . . . . .	207,731,727	1,907,833	1,416,638	7,131,361	89,904	57,321,164	2,284,380	17,194	9,280,467	42,763	287,223,431

<sup>1</sup> Including Native States.

Of the Christians enumerated above (2,284,380) the following are the chief sub-divisions as given in the official returns :—

Sect	Population	Sect	Population
Roman Catholics . . .	1,315,263	Other Protestants . . .	63,967
Church of England . . .	295,016	Syrians, Armenians, and	
Presbyterians . . .	40,407	Greeks . . .	201,684
Dissenters . . .	296,938		

### Instruction.

The following statistics are those of the census of 1891 :—

—	Under Instruction	Not under Instruction, and able to read and write	Not under Instruction and unable to read and write	Not returned.
Males .	2,997,558	11,554,035	118,819,408	13,356,295
Female	197,662	543,495	127,726,768	12,028,210
	3,195,220	12,097,530	246,546,176	25,384,505

In 1892-93 the total expenditure on public instruction in India was Rx. 3,185,693, against Rx. 67,100 in 1865, and Rx. 39,400 in 1858. Of the sum spent in 1892-93, Rx. 545,041 came from local rates and cesses; Rx. 147,090 from municipal funds; Rx. 670,500 from subscriptions, endowments, &c.; Rx. 930,131 from fees; and Rx. 892,930 from provincial revenues.

The following was the educational expenditure (in millions and two decimals) at the dates quoted :—

1888	1889	1890	1891	1892
Rx. 2·637	Rx. 2·726	Rx. 2·782	Rx. 2·897	Rx. 3·073

At the head of the national system of education in India there are the five Universities of Calcutta, Madras, Bombay, Allahábád, and the Punjab, which, though merely examining bodies, have numerous affiliated colleges in which a prescribed higher education is given than at the schools. Normal schools have been established in every province for training teachers; and a staff of inspecting officers visit all schools on the departmental lists. Medical colleges furnish a limited number of graduates and a larger number of certificated practitioners who do duty at hospitals and dispensaries, or serve in the military medical department. Engineering and other technical schools have also increased, and there are a few art schools.

The following table shows the number of students who matriculated at the five Universities for the years quoted :—

Universities	1888	1889	1890	1891	1892	1893
Calcutta . . .	1,997	1,190	2,727	1,816	1,695	3,156
Madras . . .	1,963	1,854	1,611	1,648	2,381	520
Bombay . . .	823	914	746	744	916	1,054
Punjab . . .	212	324	389	399	619	787
Allahábád . . .	—	623	532	606	747	749

The following table embraces the principal statistics for 1893, as to the number of the various classes of schools and the pupils:—

	Institutions for		Scholars	
	Males	Females	Males	Females
Colleges . . . . .	145	3	16,881	101
General education :				
Secondary . . . . .	4,575	419	456,486	35,747
Primary . . . . .	91,080	5,399	2,610,816	284,250
Special education :				
Training and other special schools . . . . .	574	58	21,809	1,875
Private institutions :	41,234	1,496	511,166	42,371
Total . . . . .	137,608	7,375	3,616,658	364,344
Grand total . . . . .	144,983		3,981,002	

Of the total number of educational institutions in India (viz., 144,983), 21,608 are public, 58,968 are aided, and 60,932 are private and unaided.

Since the appointment of a commission, in 1883, to investigate the whole system of education in India, the results have been to place public instruction on a broader and more popular basis, to encourage private enterprise in teaching, to give a more adequate recognition to indigenous schools, and to provide that the education of the people shall advance at a more equal pace along with the instruction of the higher classes. Female education and the instruction of certain backward classes of the community, such as Muhammadans, received special attention. Notwithstanding the progress of education, the proportion of the total population able to read and write is still very small. It is estimated that in British India only 19·3 per cent. of the boys of a school-going age attend school; the percentage in the case of girls being 1·8.

In 1892 there were 547 vernacular newspapers published regularly in 16 different languages. Only one daily vernacular newspaper circulates as many as 1,500 copies, only one weekly as many as 20,000. During the year, 7,658 books and magazines, including many translations and new editions, appeared, about nine-tenths being in native languages.

### Justice and Crime.

The Presidencies of Madras and Bombay, and the Lieutenant-Governorships of Bengal and the N. W. Provinces have each a high court, supreme both in civil and criminal business, but with an ultimate appeal to the Judicial Committee of the Privy Council in England. Of the minor provinces, the Punjab has a chief court, with five judges; the Central Provinces, Oudh and Sind, have each one judicial commissioner. Burma has a judicial commissioner and a recorder. For Assam, the high court at Calcutta is the highest judicial authority, except in the three hill districts, where the chief commissioner of Assam is judge without appeal in civil and criminal cases. In each district the 'collector-magistrate' is judge both of first instance and appeal.

Appellate and original jurisdiction is exercised in the superior courts by about 450 judges. During 1890, about 5,600 magistrates, of whom one-half

were honorary, exercised jurisdiction. There were 1,720 civil judges under the superior courts. Nearly all the civil judges, and the great majority of the magistrates, in the courts of original jurisdiction are natives of India; while in Bengal, Madras, and Bombay, the proportion of natives sitting in the appellate courts is considerable.

The following table gives (in thousands) the number of persons brought to trial and of those convicted in criminal cases for the years quoted :—

Persons	1887	1888	1889	1890	1891	1892
Tried. . . . .	1,377	1,433	1,448	1,490	1,525	1,652
Convicted . . . .	674	689	691	712	749	802
Of whom, fined .	500	511	516	533	572	607

In 1892, 430 persons were sentenced to death, 1,598 to transportation, and 176,921 to imprisonment. There were 968 convictions for the crime of murder, 8,496 for cattle-theft, 54,449 for ordinary theft, and 17,193 for housebreaking.

The total police of that year were 142,371 in number. Out of this number 54,560 were armed with firearms and 45,516 with swords.

In 1892 there were 36 central gaols, 181 district gaols, and 524 subordinate gaols and lock-ups. The following table gives the number of prisoners in gaol at the end of the years quoted :—

Prisoners	1887	1888	1889	1890	1891	1892
Male . . . . .	73,940	76,627	82,140	86,726	92,946	92,518
Female . . . . .	2,570	2,694	2,933	3,048	3,154	3,048
Total . . . . .	76,510	82,321	85,073	89,774	96,100	95,566

Of the total number of convicts (183,688), admitted into gaol during 1892, 13,824 had been previously convicted once, 4,035 twice, and 3,167 more than twice.

### Finance.

The subjoined table gives, in tens of rupees (Rx.), the total gross amount of the actual revenue and expenditure of India, excluding capital expenditure on public works, and distinguishing Indian and home expenditure, in each of the financial years ending March 31, 1883, and 1888-93.

Years ended March 31	Revenue	Expenditure		Total Expenditure
		In India	In Great Britain including exchange	
	Rx.	Rx.	Rx.	Rx.
1883	70,278,337	52,267,505	17,335,995	69,603,500
1888	78,759,744	58,932,878	21,855,698	80,788,576
1889	81,696,678	59,705,003	21,954,657	81,659,660
1890	85,085,203	60,960,805	21,512,365	82,473,170
1891	85,741,649	61,397,459	20,656,019	82,053,478
1892	89,143,283	65,763,836	22,911,912	88,675,748
1893	90,172,438	64,844,035	26,161,815	91,005,850

For many years the equivalent in sterling money of the rupee was approximately 2s., but since 1873 the equivalent has fallen considerably lower, and has been subject to continual variations. In December, 1894, the sterling value of the rupee was under 1s. 2d. In the budget estimate for 1894-95 the rate of exchange is taken at 1s. 2d.

The following table shows the items of revenue and expenditure for 1893-94 (revised estimate) and 1894-95 (budget estimate):—

Revenue			Expenditure		
Heads of Revenue	1893-94	1894-95	Heads of Expenditure	1893-94	1894-95
	Rx.	Rx.		Rx.	Rx.
Land revenue . . . . .	25,492,300	25,703,600	Interest . . . . .	4,432,200	4,611,400
Opium . . . . .	6,694,400	6,393,600	Refunds, . . . . .	1,819,000	1,808,200
Salt . . . . .	8,346,200	8,629,200	compensa- } tions, &c. }		
Stamps . . . . .	4,551,000	4,561,800	Charges of } collection }	8,142,100	8,854,400
Excise . . . . .	5,357,900	5,317,600	Post Office, }		
Provincial } rates . . . . .	3,486,300	3,525,300	Telegraph, }	2,557,800	2,595,800
Customs . . . . .			1,658,700		
Assessed taxes . . . . .	1,730,300	1,740,900	Civil salaries &c. . . . .	14,559,600	14,959,200
Forests . . . . .	1,677,100	1,646,000	Miscell. Civil } charges . }	5,619,100	5,754,000
Registration . . . . .	427,500	440,000	Famine re- } lief and in- } surance . }		
Tribute . . . . .	792,500	775,200	Railway con- } struction . }	77,000	24,400
Interest . . . . .	874,600	856,800	Railway Reve- } nue account }		
Post Office, } Telegraph, } and Mint }	2,738,200	2,656,500	Irrigation . . . . .	2,856,300	2,909,400
Civil depart- } ments . . . . .			1,636,100	1,611,700	Buildings } and roads }
Miscellaneous . . . . .	960,900	982,700			Army . . . . .
Railways . . . . .	20,206,500	20,408,400	Defence works . . . . .	342,000	152,300
Irrigation . . . . .	2,319,600	2,463,800	Total . . . . .	92,701,100	93,511,200
Buildings } and roads }	654,000	629,200	Deduct Expen- } diture from Pro- } vincial balances }	- 478,800	-1,184,400
Military de- } partments . }			825,400		
Total revenue . . . . .	90,429,500	92,024,900			

In addition to the above expenditure a capital expenditure not charged against revenue on railway and irrigation works is set down for 1893-94 at Rx. 5,200,000, and for 1894-95 at Rx. 5,000,000.

The following table exhibits the growth of the three most important sources of the public revenue of India, namely, land, opium, and salt, in the financial years 1884 and 1889-94 :—

Year ended March 31	Land	Opium	Salt
	Rx.	Rx.	Rx.
1884	22,361,899	9,556,501	6,145,413
1889	23,016,404	8,562,319	7,675,634
1890	23,981,399	8,583,056	8,187,739
1891	24,045,209	7,879,182	8,523,368
1892	23,965,774	8,012,380	8,636,182
1893	24,905,328	7,993,180	8,556,104
1894	25,492,300	6,694,400	8,346,200

The most important source of public income is the land. The land revenue is levied according to an assessment on estates or holdings. In the greater part of Bengal, about one-fourth of Madras, and some districts of the North-West Provinces, the assessment was fixed permanently one hundred years ago; while it is fixed periodically at intervals of from twelve to thirty years over the rest of India. In the permanently settled tracts the land revenue falls at a rate of about two-thirds of a rupee per acre of cultivated land, and represents on an average about one-fifth of the rental, or about one twenty-fourth of the gross value of the produce. In the temporarily settled tracts the land revenue averages about  $1\frac{1}{2}$  rupee per acre of cultivated land, represents something less than one-half of the actual or estimated rental, and is probably about one-tenth or one-twelfth of the gross value of the produce. For details as to the nature of the different tenures of land that prevail in India see the YEAR-BOOK for 1886, p. 799. See also under AGRICULTURE.

The land revenue was contributed in 1892-93 as follows :—

Administrations	Rx.	Administrations	Rx.
India . . . . .	139,065	Central Provinces . . . . .	695,038
Bengal . . . . .	3,849,609	Madras . . . . .	4,651,073
Assam. . . . .	472,950	Bombay . . . . .	4,559,813
Punjab . . . . .	2,342,709	Burma . . . . .	2,267,657
North-West Provinces and Oudh . . . . .	5,927,414	Total . . . . .	24,905,328

In British territory the cultivation of the poppy is only permitted in parts of the provinces of Bengal, the North-West Provinces and Oudh. A few thousand acres of opium are grown in the Punjab for local consumption. In the monopoly districts, the cultivator receives advances from Government to enable him to prepare the land for the crop, and he is bound to sell the whole of the produce at a fixed price to Government agents, by whom it is despatched to the Government factories at Patná and Gházipur to be prepared for the market. The chests of manufactured opium are sold by auction in Calcutta at monthly sales for export to China. A reserve is kept in hand to supply the deficiencies of bad seasons, and a small quantity is used by the Indian excise departments. Opium is also grown in many of the Native States of Rájputána and Central India. These Native States have agreed to

conform to the British system. They levy heavy duties on opium exported from their territories for the China market, and such opium pays the Indian Treasury a duty which has been recently reduced from Rx 65 to Rx. 60 per chest on exportation. The gross annual revenue derived from opium averaged during each of the ten years 1884 to 1893 the sum of Rx. 8,580,241, and the average net receipts during the same period, Rx. 6,292,245. In 1855-58 the net opium revenue averaged only Rx. 4,580,000.

The largest branch of expenditure is that for the army. The maintenance of the armed force to uphold British rule in India cost Rx. 12,000,000 in the year before the great mutiny, and subsequently rose to above Rx. 25,000,000. It was Rx. 28,932,497 (including Rx. 11,387,287 for Afghanistan) in 1880-81; Rx. 18,359,433 (including Rx. 17,869 for Afghanistan, and Rx. 1,308,684 for Egypt) in 1882-83.

The following table shows expenditure in each of the financial years 1889-94 :

Year ended March 31	—	Year ended March 31	—
	Rx.		Rx.
1889	20,301,841	1892	22,280,601
1890	20,677,814	1893	23,419,100
1891	20,690,068	1894	23,413,800

The Budget estimate for 1894 95 is Rx. 23,759,700.

The following table shows the amount (in tens of rupees) of the debt of British India, both bearing and not bearing interest, distinguishing the debt in India and in Great Britain, in each of the financial years 1884 and 1888-93 :

Year ended March 31	Permanent Debt in India	Permanent Debt in England	Unfunded Debt in India	Total
	Rx.	Rx.	Rx.	Rx.
1884	93,191,384	68,108,837	10,312,072	171,612,293
1888	98,089,862	84,140,148	9,715,834	191,945,844
1889	100,879,742	95,033,610	10,706,207	206,619,559
1890	102,761,175	98,192,391	10,675,877	211,629,443
1891	102,746,662	104,408,208	11,271,306	218,426,176
1892	102,692,317	107,404,143	12,170,666	222,267,126
1893	102,937,552	106,683,767	13,134,568	222,755,887

The following table shows the revenues and expenditures of each of the Governments for the year ending March 31, 1893 :—

—	Revenue	Expenditure
	Rx.	Rx.
India . . . . .	16,921,927	21,509,421
Bengal . . . . .	20,167,456	8,157,337
Assam . . . . .	1,056,455	681,263
Punjab . . . . .	7,201,533	4,584,599
N. W. Provinces and Oudh . . . . .	11,064,382	5,179,365
Central Provinces . . . . .	2,298,762	1,435,618
Madras . . . . .	12,378,742	10,310,742
Bombay . . . . .	13,261,975	8,884,304
Burma . . . . .	5,468,475	4,101,386
In England . . . . .	220,233	16,334,541
Exchange . . . . .	132,498	9,827,274
Total . . . . .	90,172,438	91,005,850



The municipal revenues in India are derived mainly from octroi, taxes on houses, lands, vehicles, and animals, tolls, and assessed taxes. The amount of income for 1892-93 for all Indian municipalities was Rx. 3,496,922, and the expenditure was Rx. 3,934,006. The following table shows the amount for the chief administrations (in thousands of rupees) :—

Municipalities	Income	Expenditure	Municipalities	Income	Expenditure
Bengal . . .	8,518	8,925	Madras . . .	3,507	3,483
Punjab . . .	3,844	4,308	Bombay . . .	10,582	12,543
N. W. Provinces	3,695	5,097	Burma . . .	3,024	2,818

### Defence.

The following table gives the established strength of the European and Native army in British India—exclusive of native artificers and followers—for the year 1894-95 :—

Corps	Numbers			
	European Officers	Non-Commissioned Officers and Privates	Total	
<b>EUROPEAN ARMY.</b>				
Royal Artillery . . . . .	497	12,822	13,319	
Cavalry . . . . .	261	5,418	5,679	
Royal Engineers . . . . .	280	74	354	
Infantry . . . . .	1,508	52,232	53,740	
Invalid and Veteran Establishment	10	17	27	
Staff Corps . . . . .	807	—	807	
General List, Cavalry . . . . .	25	—	25	
General List, Infantry . . . . .	60	—	60	
General Officers unemployed . . . . .	29	—	29	
<b>Total European Army . . . . .</b>	<b>3,477</b>	<b>70,563</b>	<b>74,040</b>	
<b>NATIVE ARMY.</b>				
	European Officers	Native Officers	Non-Com. Officers & Privates	Total
Artillery . . . . .	33	26	4,472	4,531
Cavalry . . . . .	362	627	22,439	23,428
Sappers and Miners . . . . .	58	63	3,845 <sup>1</sup>	3,966
Infantry . . . . .	1,127	2,045	110,641 <sup>2</sup>	113,813
<b>Total Native Army . . . . .</b>	<b>1,580</b>	<b>2,761</b>	<b>141,397</b>	<b>145,738</b>
<b>Total European and Native Army</b>	<b>5,057</b>	<b>2,761</b>	<b>211,960</b>	<b>219,778</b>

<sup>1</sup> Includes 84 European non-commissioned officers.

<sup>2</sup> Includes 3 Europeans.

The Act of Parliament (56 and 57 Vict., cap. 62), passed in 1893 for the abolition of the Indian Presidency commands, will come into force on April 1, 1895. On that date the military control hitherto exercised by the governors in council of Madras and Bombay will cease, and the following arrangements will come into operation. The army in India will consist of the Punjab, Bengal, Madras, and Bombay commands, each under a lieutenant-general, who will be under the direct command of the commander-in-chief in India, and under the control of the government of India.

Since 1856, when the Indian army consisted of 40,000 European soldiers and 215,000 natives, the numbers have changed to 74,000 European and 145,000 native soldiers; and the concentration or mobilisation of troops has been greatly facilitated within the empire or on its frontier. A regular transport service now exists, and a method has been organised for the supply of animal carriage, hospital servants, and other field establishments sufficient to place a large army promptly in the field.

The health of the Indian troops has been so improved by better barracks, by quartering a larger proportion of the European soldiers at drill stations, and by attention to sanitary conditions, that the death-rate, which before the Mutiny was 6·9 per cent. for Europeans, and 2 for natives, has been reduced to 1·7 and 1·5 per cent. respectively. The number of volunteers in India on April 1, 1893, was as follows:—

—	Enrolled.	Efficient.
Bengal . . .	13,710	12,525
Madras . . .	8,725	7,259
Bombay . . .	5,501	5,166
Total . . .	27,936	24,950

According to the estimates for 1894–95 the strength of the European British army in India for the year (excluding the veteran and invalid establishment) is as follows:—

—	Artillery	Cavalry	Engineers	Infantry	Miscell. Officers	Total
Bengal . . .	7,718	3,786	215	34,113	540	46,372
Bombay . . .	3,314	631	72	9,297	151	13,465
Madras . . .	2,287	1,262	67	10,330	230	14,176
Total . . .	13,319	5,679	354	53,740	921	74,013

Returns published in 1884 showed that the various feudatory and dependent States of India had armies numbering 349,835 men, and 4,237 guns. A large proportion of these forces were little better than a badly-equipped, undisciplined rabble ; but in 1888, after the native chiefs had loyally offered large sums of money towards the cost of imperial defence, the Indian Government elaborated a scheme for the training and equipment of picked contingents of troops in certain States, with a view to enabling the chiefs to bear a direct share in the defence of the Empire. Measures are now in progress which will enable the chiefs to furnish contingents of troops fit to take their place in line with the regiments of the Indian army. The special contingents, known as imperial service troops, now number about 19,000 men, organised and under instruction. Fourteen British inspecting officers have been appointed. The following table shows the States and contingents with which they have to deal :—

State	Cavalry	Infantry	Artillery	Total	State	Cavalry	Infantry	Artillery	Total
Kashmir . . .	343	3,750	300	4,393	Bhartpur . . .	500	650	—	1,150
Patāla . . .	600	1,200	—	1,800	Bikaner . . .	500	—	—	500
Jind . . .	150	600	—	750	Jaipur . . .	649	—	—	649
Nābha . . .	150	600	—	750	Gwalior . . .	1,525	—	—	1,525
Kapūrthala . .	150	600	—	750	Mysore . . .	600	—	—	600
Bahāwalpur . .	150	300	—	450	Haidārábād . .	800	—	—	800
Faridkot . . .	50	150	—	200	Bhopal . . .	500	—	—	500
Sirmur . . .	—	150	—	150	Indore . . .	500	—	—	500
Maler Kotla . .	—	150	—	150	Rámpur . . .	300	—	—	300
Alwar . . .	600	1,027	—	1,627	KáthiāwārStates	550	—	—	550
Jodhpur . . .	1,200	—	—	1,200	Total . . .	9,817	9,177	300	19,294

The following war-vessels belong to the Indian marine :— coast-defence turret ironclads : *Magdala*, station ship (3,340 tons), four 8-in. 14-ton guns ; and *Abyssinia* (2,900 tons), with the same chief armament ; also the despatch-vessel *Lawrence* (1,154 tons), and the sister first-class torpedo gun-boats *Assaye* and *Plassey* (735 tons), besides seven 90-ton torpedo boats built in 1889 and a number of troop-vessels, surveying-ships, inland steamers, &c.

### Production and Industry.

The chief industry of India has always been agriculture, but it was not until about the year 1870 that the Indian Government directed systematic attention to fostering and improving Indian agriculture. Since that time there has been established in every

province of India a public department, which collects and distributes early information concerning the crops, controls or advises upon model and experimental farms, introduces new agricultural appliances, tries new staples, and is organizing schools for teaching the chemistry and science of agriculture. By these departments Indian students of good education have been sent to Europe to study at agricultural colleges. It is chiefly in respect of the use of manures, of rotation of crops, of fodder raising and storing, of new staples, and of such appliances as improved sugar-mills, that the example or teaching of the agricultural departments and their agents is likely to have useful effect. Something has also been done towards introducing better breeds of cattle into some provinces, and great attention has been paid to the improvement of the local breeds of horses, ponies, and mules.

In provinces where the *zamindari* tenure prevails (i.e. where single proprietors or proprietary brotherhoods possess large estates of several hundreds or thousands of acres), the State revenue is assessed at an aliquot part (usually about one half) of the ascertained or assumed rental. The revenue is payable on each estate as a whole; the assessment remaining unchanged for the period of settlement. In provinces where the *rayatwari* tenure prevails (i.e. where each petty proprietor holds directly from the State, as a rule cultivates his own land, and has no landlord between himself and the Government), the revenue is separately assessed at an acreage rate on each petty holding, and land revenue becomes payable at once (or after a short term of grace in the case of uncleared lands) on all extensions of cultivation. The *rayatwari* proprietor may throw up his holding, or any portion of it, at the beginning of any year after reasonable notice, whereas the *zamindar* or large proprietor engages to pay the revenue assessed upon him throughout the term of the settlement.

The following table shows, so far as returns are available, the class of tenure in each province:—

	Zamindari and Village Communities			Rayatwari, &c.		
	Area Surveyed. Acres	Population of Surveyed Area	Revenue Rx.	Area. Surveyed Acres	Population of Surveyed Area	Revenue Rx.
Bengal . . .	92,078,401	69,473,534	3,710,278	—	—	—
N.-W. Provinces . . .	52,604,874	33,802,188	4,468,661	—	—	—
Oudh . . .	15,337,845	12,650,831	1,377,220	—	—	—
Punjab . . .	71,576,576	20,860,913	2,519,580	—	—	—
Berars . . .	—	—	—	11,348,484	2,850,009	657,448
Coorg . . .	—	—	—	1,012,260	173,055	22,260
Lower Burma . . .	187,623	—	—	56,016,921	—	—
Upper Burma . . .	8,899	—	—	51,396,547	—	—
Madras . . .	29,987,054	10,264,842	506,938	60,388,53	25,365,598	4,602,285
Bombay . . .	—	—	—	47,594,861	15,163,506	2,579,298
Sind . . .	—	—	—	29,852,542	2,871,774	911,744
Ajmere . . .	959,127	244,469	11,473	734,601	297,889	31,948

The following table shows, according to provinces, the total acreage over which were grown the chief crops of British India in 1892-93, the total area cultivated being 134,973,451 acres :—

Administrations	Rice	Wheat	Other Food Grains	Sugar Cane	Tea	Cotton	Oil Seeds	Indigo	To-bacco
Bengal . . .	36,749,000	1,594,300	10,644,200	1,071,200	88,900	210,800	4,347,900	737,400	775,100
N.-W. Provs.	4,850,946	3,415,712	17,322,449	961,999	8,590	997,738	639,546	191,883	33,706
Oudh . . .	2,795,488	1,292,462	6,459,082	247,271	—	47,350	194,035	14,633	12,044
Punjab . . .	634,513	7,400,306	14,988,233	314,249	9,091	548,372	1,335,933	68,719	60,377
Central Provs	4,425,398	4,269,054	4,991,663	42,358	—	686,370	2,221,489	—	18,512
Berárs . . .	25,744	984,574	2,961,426	2,905	—	2,164,042	575,563	36	17,047
Coorg . . .	74,922	—	1,617	—	—	—	40	—	10
Assam . . .	1,842,834	16	72,130	19,716	247,192	483	184,668	—	42
Lower Burma	5,086,853	—	25,367	9,544	21	15,884	54,231	51	26,185
Upper Burma	1,040,299	21,032	955,793	5,838	974	137,802	376,197	850	24,231
Madras . . .	6,408,166	13,539	14,949,798	51,174	5,694	1,326,242	1,684,762	301,201	104,662
Bombay . . .	2,309,025	2,461,830	19,197,026	71,162	1	2,768,079	1,890,918	8,839	77,622
Ajmere . . .	545	30,010	355,084	132	—	37,066	39,123	—	9
Parganá	—	—	—	—	—	—	—	—	—
Mánpur . . .	79	2,054	3,577	89	—	—	1,220	—	—
Total . . .	65,743,812	21,484,889	92,927,655	2,798,637	360,463	8,940,248	13,545,025	1,593,612	1,149,548

Besides cotton, other fibres occupied 2,803,516 acres, 2,181,334 of which grew jute. Coffee plantations occupy 122,788 acres, of which 62,895 acres were in Madras, and 59,787 acres in Coorg. Food crops, other than cereals and pulses, cover 6,605,094 acres. In 1892-93 of the total area cultivated (195,897,389 acres) 25,307,760 acres were cropped more than once, giving a total area under crops of 221,205,149 acres. Reckoning twice over the land irrigated for both harvests, 26,871,391 acres were under irrigation by canals, tanks, wells, and otherwise. The following table shows the area irrigated by, and the gross revenue derived from, major and minor irrigation works during the last five years ending March 31 :—

	Major works		Minor works		Total	
	Area irrigated	Gross revenue realized	Area irrigated	Gross revenue realized	Area irrigated	Gross revenue realized
	Acres	Rx.	Acres	Rx.	Acres	Rx.
1889	6,583,548	2,045,825	1,703,271	376,187	8,286,819	2,422,012
1890	7,047,553	2,137,441	1,829,312	377,972	8,876,865	2,515,413
1891	7,172,468	2,312,787	2,101,586	483,127	9,274,054	2,795,914
1892	7,560,484	2,395,372	2,123,659	431,279	9,684,143	2,826,651
1893	7,043,286	2,552,415	2,272,091	607,549	9,315,377	3,159,964

The Ganges Canal, which was completed in 1854, and has cost Rx. 2,881,816, comprises 438 miles of main canal, and 3,721 miles of distributaries. During the year it supplied water to 722,478 acres. The Sirhind Canal, in the Punjab, has cost upwards of Rx. 3,755,000, and consists of 542 miles of main canal, and 4,659 miles of distributaries. In Madras the Godávári, Kistna, and Cauvery irrigation systems together irrigate upwards of 2,000,000 acres.

In 1892-93 there were nearly 70,000 square miles of forest demarcated and reserved by the State. The work of demarcating and reserving forest tracts has been pushed on with great vigour in recent years, and especially since 1877. In that year the demarcated area was only 17,705 square miles ; in

the following year it was raised by operations in the Central Provinces to 40,425 square miles.

The following table shows the extent of reserved forests in 1892-93 in square miles :—

	Sq. miles		Sq. miles		Sq. miles
Central Provinces	20,373	Bengal	5,703	Assam	3,612
Bombay	10,321	Madras	9,436	Punjab	1,746
Burma	6,674	N. W. P. and Oudh	3,886	Berars	1,332

There were 130 cotton mills at work in India in 1892-93, containing 26,317 looms and 3,378,303 spindles, employing a daily average number of 120,898 persons. The whole capital invested in this industry is quite Rx. 12,000,000 rupees.

There were 26 jute mills and one hemp mill in March, 1893, employing a daily average number of 67,291 persons, with 8,967 looms and 181,172 spindles. The capital invested in the joint stock mills is estimated at Rx. 3,600,000 rupees.

There were five woollen mills at work at the close of 1892, with 532 looms and 17,210 spindles.

There are nine paper mills.

The quantity of beer brewed during 1892 amounted to 4,831,127 gallons.

In March, 1893, there were 956 joint stock companies in India registered under the Indian Companies' Act and in operation. They possessed a total nominal capital aggregating Rx. 35,372,842, and an actual capital (paid up) of Rx. 26,793,186.

The following table shows the division of the aggregate capital among the principal classes of joint stock companies in 1893 :—

Companies	Number	Paid up capital
		Rx.
Banking and loan . . . . .	256	3,749,863
Insurance . . . . .	8	79,306
<b>Trading :</b>		
Merchants and traders . . . . .	117	1,863,652
Navigation . . . . .	7	873,940
Railways and tramways . . . . .	10	979,582
Co-operative associations . . . . .	24	51,395
Shipping, landing, and warehousing . . . . .	5	56,889
<b>Total trading . . . . .</b>	<b>163</b>	<b>3,825,458</b>
<b>Mills and Presses :</b>		
Cotton mills . . . . .	57	4,965,026
Jute mills . . . . .	12	1,209,485
Mills for cotton, jute, wool, silk, hemp, &c. . . . .	68	4,188,952
Cotton and jute, screws and presses . . . . .	87	1,374,081
Other mills and presses . . . . .	37	547,460
<b>Total mills and presses . . . . .</b>	<b>263</b>	<b>12,285,004</b>
<b>Tea companies . . . . .</b>	<b>142</b>	<b>3,636,898</b>
<b>Coffee and cinchona . . . . .</b>	<b>5</b>	<b>38,339</b>
<b>Other planting companies . . . . .</b>	<b>10</b>	<b>95,628</b>
<b>Mining and quarrying . . . . .</b>	<b>54</b>	<b>1,611,160</b>
<b>Ice making . . . . .</b>	<b>12</b>	<b>186,387</b>
<b>Sugar manufacture . . . . .</b>	<b>3</b>	<b>162,204</b>
<b>Breweries . . . . .</b>	<b>3</b>	<b>169,540</b>
<b>Others . . . . .</b>	<b>37</b>	<b>903,399</b>
<b>Grand total . . . . .</b>	<b>956</b>	<b>26,793,186</b>

*The following Table shows, according to Provinces, the Surveyed Area and also the Total Areas of British India that were in 1892-93 cultivated and uncultivated, as far as returns can be obtained.*

Administrations	Area shown by the Survey Department including feudatory States and area for which no return is available		Net Area dealt with in this Return according to the Survey of India <sup>1</sup>		Cultivated			Uncultivated			Forests		
	Acres	Acres	Acres	Acres	Actually Cropped	Current Fallows	Total	Acres	Available for Cultivation	Not Available for Cultivation	Total	Acres	Acres
Bengal . . . . .	101,693,641	99,278,184	52,263,400	...	52,263,400	2,171,190	27,419,971	41,298,911	8,008,899	6,649,128	14,658,027	5,517,490	5,217,972
N. W. Province . . . . .	57,026,042	47,206,213	25,243,781	2,171,190	25,243,781	533,073	9,414,530	2,226,328	3,282,913	2,226,328	5,509,241	589,101	589,101
Oudh . . . . .	15,337,846	15,337,846	8,881,457	533,073	8,881,457	3,028,350	26,816,035	11,609,278	23,327,908	11,609,278	34,937,186	8,171,844	8,171,844
Punjab . . . . .	96,103,936	65,169,536	23,787,685	3,028,350	23,787,685	397,706	6,004,998	27,987,594	18,508,492	27,987,594	46,494,086	3,705,560	3,705,560
Lower Burma . . . . .	56,204,544	56,204,544	5,607,192	397,706	5,607,192	1,741,541	4,356,830	28,256,484	10,504,894	28,256,484	38,761,378	1,074,320	1,074,320
Upper Burma . . . . .	52,551,046	44,192,528	2,615,289	1,741,541	2,615,289	1,926,943	18,037,751	3,836,057	9,572,763	3,836,057	13,408,820	12,085,252	12,085,252
Central Province . . . . .	74,192,028	43,556,307	16,110,808	1,926,943	16,110,808	622,087	2,575,945	8,431,830	242,490	631,377	873,867	2,904,087	2,904,087
Assam . . . . .	29,023,588	13,911,862	1,953,378	622,087	1,953,378	219,527	657,569	254,594	56,466	254,594	311,060	546,850	546,850
Ajmere . . . . .	1,693,728	1,654,439	438,042	219,527	438,042	17,731	154,350	12,643,202	7,709,658	12,643,202	20,352,860	10,718,669	10,718,669
Coorg . . . . .	1,012,260	1,012,260	136,619	17,731	136,619	5,502,932	29,241,343	17,609,232	8,026,406	17,609,232	25,635,638	7,507,514	7,507,514
Madras . . . . .	91,327,096	60,870,209	23,738,411	5,502,932	23,738,411	8,602,828	36,909,648	1,241,518	679,428	1,241,518	1,920,946	1,683,917	1,683,917
Bombay . . . . .	118,764,523	70,052,800	28,307,320	8,602,828	28,307,320	938,530	7,743,621	1,357	10,408	1,357	11,765	19,798	19,798
Berars . . . . .	11,343,953	11,333,489	6,805,091	938,530	6,805,091	232	7,308	89,928,725	112,947,149	49,729,741	252,605,615	54,865,358	54,865,358
ParganáMánpur . . . . .	38,871	38,871	7,076	232	7,076	25,702,150	221,598,199	89,928,725	112,947,149	49,729,741	252,605,615	54,865,358	54,865,358
Total . . . . .	706,313,102	529,819,088	195,896,049	25,702,150	195,896,049	221,598,199	89,928,725	112,947,149	49,729,741	49,729,741	252,605,615	54,865,358	54,865,358

N.B.—The net areas dealt with in the case of the Punjab, N. W. Provinces, and Oudh are those shown by the 'Village Papers.'  
 1 Exclusive of Feudatory and Tributary States.  
 2 A British District in Central India.

There were 88 collieries worked in India in 1893. The annual output has been as follows:—

	Tons		Tons		Tons
1887 .	1,564,063	1889 .	1,946,172	1891 .	2,328,577
1888 .	1,708,903	1890 .	2,168,521	1892 .	2,537,696

The total value of the output in 1892 may be estimated at Rx. 835,675. The total imports of coal, coke, and patent fuel in 1892-93 amounted to 648,185 tons. The total number of persons employed at the mines is given as 38,645.

### Commerce.

The value of the sea-borne external trade of India has risen in the 60 years, 1834-35 to 1893-94, from Rx. 14,342,290 to Rx. 206,086,249, the increase being over fourteenfold, making on the average a rate of 22·28 per cent. annually. The average rate of increase during the last thirty-three years is shown below, the period being divided into four terms of seven years each:—

Years	Average Annual Imports	Average Annual Exports	Increase or Decrease	
			per cent. of Imports	per cent. of Exports
	Rx.	Rx.		
1861-62 to 1867-68 .	46,564,217	55,247,350	—	—
1868-69 to 1874-75 .	43,144,965	57,379,611	-7·34	3·86
1875-76 to 1881-82 .	53,158,379	69,432,191	23·21	21·00
1882-83 to 1888-89 .	72,768,240	89,300,256	36·89	28·62
1889-90 . . . . .	86,656,990	105,366,720	19·09	17·99
1890-91 . . . . .	93,909,856	102,350,526	8·37	2·86
1891-92 . . . . .	84,155,045	111,460,277	-10·39	8·9
1892-93 . . . . .	83,275,087	113,554,399	-1·05	1·88
1893-94 . . . . .	95,482,688	110,603,561	14·66	-2·6

In the year ending March 31, 1894, the total foreign trade of India (private and Government) was as follows, in tens of rupees:—

	Imports	Exports
	Rx.	Rx.
Merchandise . . . . .	77,021,431	106,503,369
Treasure . . . . .	18,461,256	4,100,192
<b>Total . . . . .</b>	<b>95,482,687</b>	<b>110,603,561</b>

The following shows (in tens of rupees) the total imports and exports of India, divided into merchandise and 'treasure' (bullion specie), excluding Government stores and Government treasure, in the fiscal years ending March 31, 1884, and 1890-94:—

Years ended March 31	IMPORTS		
	Merchandise	Treasure	Total
	Rx.	Rx.	Rx.
1884	52,703,891	12,877,963	65,581,854
1890	66,560,120	21,919,486	90,954,386
1891	69,034,900	14,722,662	81,310,119
1892	66,587,457	17,009,810	79,614,840
1893	62,605,030	17,009,810	79,614,840
1894	73,956,957	18,425,256	92,382,213



Years ended March 31	EXPORTS AND RE-EXPORTS *		
	Merchandise	Treasure	Total
	Rx.	Rx.	Rx.
1884	88,121,296	981,572	89,102,868
1890	103,396,862	1,841,920	105,238,782
1891	100,135,722	2,071,906	102,207,628
1892	108,036,010	3,143,186	111,179,196
1893	106,535,997	6,928,994	113,464,991
1894	106,447,590	4,024,731	110,472,327

Of the exports of merchandise in 1893-94, Rx. 102,015,615 represented the products of the country. Rx. 4,431,975 were re-exports of foreign imports.

The imports and exports, including private treasure, but excluding Government stores and treasure, were distributed as follows between the five great commercial divisions of India in 1884 and 1890-94.

—	Bengal	Burma	Madras	Bombay	Sind
Imports :—	Rx.	Rx.	Rx.	Rx.	Rx.
1884	24,436,441	3,841,942	4,780,371	31,082,632	1,440,468
1890	26,314,803	5,467,752	6,437,420	42,295,457	3,503,989
1891	29,998,766	5,500,323	6,543,231	45,124,897	3,787,167
1892	28,706,848	5,520,872	6,221,702	36,776,556	4,081,141
1893	25,486,288	5,465,562	5,364,929	39,743,419	3,554,642
1894	31,036,112	5,279,809	6,235,847	45,016,214	4,814,231
Exports :—					
1884	36,213,353	6,576,137	9,257,925	33,292,765	3,762,688
1890	39,806,044	7,781,542	11,608,509	40,973,741	5,068,946
1891	37,428,230	9,612,321	10,900,145	39,542,536	4,724,396
1892	40,211,805	10,089,326	10,184,851	43,307,113	7,379,101
1893	42,200,527	9,235,783	11,263,254	46,579,931	4,185,496
1894	42,261,858	7,319,083	11,775,366	42,263,528	6,852,492

The amount of bullion and specie, private and Government, imported and exported, will be seen from the following table for the years 1884 and 1890-94.

Year ended March 31	Imports of Gold	Imports of Silver	Exports of Gold	Exports of Silver
	Rx.	Rx.	Rx.	Rx.
1884	5,469,457	7,408,506	6,952	1,003,355
1890	5,071,027	12,388,474	455,724	1,450,598
1891	6,500,832	15,433,654	864,660	1,258,518
1892	4,118,929	10,603,733	1,705,137	1,581,519
1893	1,781,789	15,228,021	4,594,472	2,364,452
1894	3,146,520	15,314,726	2,505,284	1,594,908

\* The returns of quantities and values of imports and of exports are based on the bills of entry and shipping bills respectively, but the declarations contained in these documents are subject to scrutiny in all cases, and penalties may be inflicted where they are found to be false. The value is the whole-sale value at the place of import or export, less trade discount, duty not being included in the value of dutiable goods. The returns show, not the prime origin of imports and ultimate destination of exports, but only the countries whence the goods were shipped to India and to which they are shipped from India, as disclosed by the shipping documents. No distinction is maintained between general, special, and transit trade: but goods of foreign origin, when re-exported, are shown in detail separately from those of Indian origin. Apart from the comparatively insignificant imports and exports by parcel post, of which only the total values are known, there are no special circumstances which affect the value of the statistical results.

142 THE BRITISH EMPIRE:—INDIA AND DEPENDENCIES

The following table shows (in tens of rupees) the respective shares which the leading countries with which India deals had in the exports and imports (merchandise alone) of India in the years ending March 31, 1893 and 1894 :—

Countries	Exports of Indian Produce		Imports into India from	
	1893 Rx.	1894 Rx.	1893 Rx.	1894 Rx.
United Kingdom . . . . .	32,267,196	33,542,602	44,005,841	52,001,013
China . . . . .	14,402,271	10,989,240	2,842,530	3,542,556
France . . . . .	9,083,253	10,672,569	1,040,291	1,138,262
Italy . . . . .	3,641,157	3,542,122	356,306	448,572
Straits Settlements . . . . .	4,440,526	4,529,319	2,371,608	2,524,623
United States . . . . .	4,512,988	3,354,759	1,134,438	2,016,270
Egypt . . . . .	4,832,053	3,674,053	153,995	171,371
Belgium . . . . .	4,414,065	5,709,688	1,645,470	2,053,275
Austria . . . . .	2,606,847	2,943,061	1,031,939	1,371,383
Ceylon . . . . .	3,147,103	3,068,906	664,757	696,625
Australia . . . . .	1,106,806	1,020,311	239,450	242,665
Japan . . . . .	1,610,455	1,404,378	91,210	252,096
Germany . . . . .	6,517,185	7,634,088	1,451,330	1,714,003
Mauritius . . . . .	999,088	1,189,741	1,462,771	1,787,030
Arabia . . . . .	833,799	787,163	436,812	355,998
Holland . . . . .	670,433	1,479,636	206,746	207,501
East Coast Africa . . . . .	593,901	499,950	293,656	325,635
Persia . . . . .	508,603	603,647	687,092	734,205
Spain . . . . .	625,905	499,328	16,824	11,945

The following table gives a summary of the value of the different classes of imports and of exports of Indian produce (private merchandise only) in the years 1893 and 1894 (ending March 31) in tens of rupees :—

—	Imports		Exports	
	1893 Rx.	1894 Rx.	1893 Rx.	1894 Rx.
Animals, living . . . . .	300,673	305,054	137,307	123,213
Articles of food and drink	7,950,819	8,657,752	30,810,947	27,240,303
Metals and manufactures of :—				
Hardware and cutlery . . . . .	1,217,754	1,301,690	9,908	8,404
Metals . . . . .	5,382,017	6,278,592	74,205	68,230
Machinery . . . . .	2,359,103	2,518,039	294	54
Railway plant and stock	1,032,939	1,242,977	120	273
Chemicals, drugs, &c. . . . .	1,615,193	1,837,570	15,027,100	13,683,677
Oils . . . . .	2,919,162	3,570,188	633,626	535,881
Raw materials . . . . .	3,604,182	3,890,164	38,830,240	45,015,236
Articles manufactured or partly so—				
Yarns and textile fabrics	29,159,942	36,312,799	11,660,179	10,073,911
Apparel . . . . .	1,383,830	1,578,049	145,426	130,198
Other articles . . . . .	5,679,416	6,464,083	4,616,355	5,136,235
Total . . . . .	62,605,030	73,956,957	101,945,707	102,015,615

The following table shows (in tens of rupees) the value of the leading articles of private merchandise imported and exported (the produce of India only—that is, not including re-exports of foreign goods) in the year ending March 31, 1894 :—

Exports	Value	Imports	Value
	Rx.		Rx.
Rice . . . . .	10,388,633	Cotton manufactures .	32,377,469
Wheat . . . . .	5,193,885	Metals, hardware } and cutlery . . . . .	7,580,282
Cotton (raw) . . . . .	13,296,670	Silk (raw and manuf.).	3,188,053
„ (manufactured) . . . . .	6,242,558	Sugar (refined and } unrefined) . . . . .	2,824,190
Opium . . . . .	8,019,428	Woollen goods . . . . .	1,892,042
Seeds (oil seeds mainly)	16,753,251	Liquors . . . . .	1,458,204
Hides and skins . . . . .	5,801,328	Railway plant and } rolling-stock . . . . .	1,242,977
Jute (raw) . . . . .	8,524,130	Oils . . . . .	3,570,188
„ (manufactured) . . . . .	3,441,787	Machinery and Mill } work . . . . .	2,518,038
Tea . . . . .	6,585,835	Coal . . . . .	972,588
Indigo . . . . .	4,182,128	Provisions . . . . .	1,782,868
Other dyes and tans . . . . .	841,073	Apparel (excluding } hosiery) . . . . .	1,578,049
Coffee . . . . .	2,002,171	Salt . . . . .	791,067
Wool (raw) . . . . .	1,079,772	Spices . . . . .	873,655
Spices . . . . .	455,923	Glass . . . . .	788,480
Lac (excluding lac dye)	960,330	Drugs . . . . .	771,525
Sugar (refined and } unrefined) . . . . .	892,741	Paper . . . . .	494,208
Silk (raw and cocoons).	698,099	Umbrellas . . . . .	480,933
„ (manufactured) . . . . .	242,417	Grain and Pulse . . . . .	131,632
Oils . . . . .	535,881		
Wood . . . . .	589,764		
Wool (manufactured)	146,662		
Provisions . . . . .	873,877		
Saltpetre . . . . .	338,102		

The share of each province in some of the most important exports is shown in the following table for the year ending March 31, 1894 :—

—	Bengal	Bombay	Sind	Madras	Burma
	Rx.	Rx.	Rx.	Rx.	Rx.
Rice . . . . .	3,477,072	273,000	50,814	694,429	5,893,318
Wheat . . . . .	426,951	2,129,246	2,637,653	35	—
Opium . . . . .	4,840,606	3,178,822	—	—	—
Indigo . . . . .	2,868,381	252,073	35,178	1,026,459	37
Cotton . . . . .	763,044	10,447,097	678,175	1,399,813	8,541
Seeds . . . . .	4,730,793	9,261,672	1,973,013	783,703	4,070

The gross amount of import duty collected in 1893-94 was Rx. 3,507,613, and export duty Rx. 660,477. The largest import duty is derived from salt, Rx. 2,518,951 in 1892-93; the export duty is entirely on rice. On March 10, 1894, a new customs tariff on imported goods came into force, by which all goods subject to duty under the former tariff, as it stood in 1875, became subject to duty. The revenue obtained from the new duties, to the end of the financial year 1893-94, amounted to Rx. 90,103.

The extent of the commercial intercourse between India and the United

Kingdom, according to the Board of Trade Returns, is shown in the subjoined table :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from India	36,199,204	32,668,797	32,234,398	30,513,106	26,233,949
Exports of British produce to India . . . . .	30,955,778	33,641,001	31,177,968	27,902,572	28,776,001

The following table shows the staple articles of import from India into the United Kingdom in five years :—

Year	Cotton	Wheat	Jute	Seeds	Tea	Rice	Indigo
	£	£	£	£	£	£	£
1889	5,223,808	3,405,284	5,403,651	3,618,980	4,566,496	1,774,761	1,612,684
1890	4,740,232	3,461,071	4,916,509	2,534,959	4,768,340	1,984,121	1,386,196
1891	1,850,331	5,507,526	4,193,832	3,485,455	5,045,121	2,209,157	888,736
1892	1,164,813	4,812,180	3,871,929	3,099,235	4,782,675	2,076,938	1,192,821
1893	1,111,000	1,951,816	3,615,327	2,613,836	4,735,767	1,529,938	1,265,549

Other articles are : leather, of the value of £2,017,146 ; untanned hides, £335,939 ; coffee, £589,445 ; wool, £915,718 in 1893.

The chief articles of British produce imported into India are as follows :—

Year	Cotton Manufactures	Cotton Yarn	Iron	Copper	Machinery	Woollens
	£	£	£	£	£	£
1889	17,678,634	2,250,292	2,819,062	761,900	1,964,556	462,036
1890	18,676,110	2,563,680	3,188,314	855,587	1,801,450	560,054
1891	17,113,237	2,399,275	2,326,059	819,373	1,911,245	615,011
1892	15,622,518	1,754,541	2,081,252	781,014	1,796,831	517,135
1893	16,091,501	1,773,047	2,065,553	788,317	2,056,027	614,289

The imports from India into Great Britain, and exports of domestic produce and manufactures from Great Britain to India were as follows in 1893 :—

—	Imports from	Exports to
	£	£
Bombay and Sind . . . . .	5,376,557	11,419,653
Madras . . . . .	4,142,667	2,642,671
Bengal . . . . .	14,795,944	12,894,307
Burma . . . . .	1,918,781	1,819,370
	26,233,949	28,776,001

The following figures show the actual extent of the foreign trade of the six largest ports in merchandise only, imports and exports (including re-exports), during the last five years, in tens of rupees :—

	1889-90	1890-91	1891-92	1892-93	1893-94
	Rx.	Rx.	Rx.	Rx.	Rx.
Bombay	65,748,016	65,371,569	66,351,980	65,674,674	67,999,093
Calcutta	63,112,379	61,750,573	63,933,101	63,640,119	69,927,146
Rangoon	10,893,701	12,437,563	12,614,528	12,525,228	10,799,556
Madras	10,339,281	10,020,739	8,917,973	9,067,535	10,303,973
Karachi	8,405,722	8,402,099	11,310,986	7,546,292	11,040,337
Tuticorin	2,264,742	2,036,035	1,648,226	1,802,644	1,755,548

Of the total imports of merchandise Rx. 60,311,646 in value came through the Suez Canal, and of the exports Rx. 67,193,964 in value went through the Suez Canal.

In addition to the sea-borne trade as above, there is a considerable trans-frontier land-trade. The following table shows the value, in tens of rupees, of the land-trade (excluding treasure, the figures for which are untrustworthy), during three years ending March 31, 1894 :—

	Rx. Imports	Rx. Exports	Rx. Total
1892	3,979,700	3,932,200	7,911,900
1893	3,690,900	3,388,000	7,078,900
1894	4,037,400	3,431,700	7,469,100

The following table shows the value of the trade (excluding treasure), in tens of rupees, with the leading trans-frontier countries in the last three years ending March 31, 1894 :—

	Imports from			Exports to		
	1892	1893	1894	1892	1893	1894
	Rx.	Rx.	Rx.	Rx.	Rx.	Rx.
Lus Bela	43 800	40,500	48,100	23,600	27,800	25,000
Khelat	43,800	57,100	64,700	10 700	20,500	26,500
Kandahar	469,300	234 400	335,800	526,200	297,700	328,200
Sewestan	69 500	53 700	62 700	85,500	71,200	68 600
Kabul	218 100	220,800	188 800	653,600	610,500	405,200
Bajaur	79,500	109,100	147 000	103,300	148,100	212 000
Kashmir	596,800	507,300	422 900	656,500	476 400	528,700
Ladakh	30,100	29,700	29,500	21,600	19 900	23 700
Tibet	101 800	104,200	124 600	47,600	50,800	60 700
Nepal	1,557,500	1,344 900	1,493,000	1,334 000	1,182 200	1,104 400
Karenni	174,100	233,700	214,000	14,400	19,700	20 700
Shan States	210 100	294 900	313,100	166,500	214 200	238,100
Zimme	158,500	218,100	230,200	37,100	14 500	86,400
Siam	34 700	50,100	8,200	21,500	24 000	41,500
W. China	46,300	50,500	137,200	104,500	93,600	134,200

The total value of the coasting trade in 1893-94 was Rx. 68,446,208 in imports and exports, apart from Government stores and Government treasure.

### Shipping and Navigation.

The following table shows for five years the number and tonnage of vessels engaged in the foreign trade which entered and cleared at ports in British India :—

Nationality of Vessels	1889-90		1890-91		1891-92		1892-93		1893-94	
	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons
Entered :										
British . . . . .	1,869	2,960,551	2,118	3,161,765	2,325	3,563,678	2,047	3,158,225	1,976	3,076,277
British Indian . . . . .	1,093	156,670	1,021	153,378	953	146,659	1,035	150,124	925	134,821
Foreign . . . . .	708	456,706	638	463,672	721	507,944	734	507,901	623	504,074
Native . . . . .	1,612	84,254	1,713	84,026	1,687	90,094	1,568	85,946	1,506	82,739
Total . . . . .	5,282	3,658,181	5,490	3,862,841	5,686	4,308,375	5,384	3,902,196	5,030	3,797,911
Cleared :										
British . . . . .	1,898	2,991,705	2,133	3,174,670	2,335	3,583,354	2,010	3,072,646	2,020	3,186,479
British Indian . . . . .	1,075	149,081	1,002	140,850	977	148,963	1,063	156,185	953	136,788
Foreign . . . . .	633	428,598	568	421,012	645	468,904	681	480,806	532	468,774
Native . . . . .	1,785	88,021	1,830	85,581	1,515	81,055	1,585	80,458	1,460	75,934
Total . . . . .	5,391	3,657,405	5,533	3,822,113	5,472	4,282,276	5,339	3,790,095	4,965	3,867,975
Total entered and cleared . . . . .	10,673	7,315,586	11,023	7,684,954	11,158	8,590,651	10,723	7,692,291	9,995	7,665,886

The following gives the number and tonnage of steam vessels which entered and cleared Indian ports *via* the Suez Canal during the years indicated:—

	Entered		Cleared		Total	
	No.	Tons	No.	Tons	No.	Tons
1888-89	755	1,408,331	967	1,735,626	1,722	3,143,957
1889-90	677	1,331,767	931	1,723,597	1,608	3,055,364
1890-91	752	1,487,111	965	1,821,405	1,717	3,308,516
1891-92	1,043	2,019,483	1,268	2,412,341	2,311	4,431,824
1892-93	782	1,637,806	929	1,887,457	1,711	3,525,263
1893-94	712	1,575,836	928	1,987,474	1,640	3,563,310

The number of vessels which entered with cargoes in the interport trade in 1892-93 was 108,018 of 10,819,790 tons; and in 1893-94, 105,764 of 11,324,193 tons; and cleared in 1892-93, 96,506 of 10,612,769 tons; and in 1893-94, 96,145 of 11,159,078 tons.

For the year 1893-94, 98 vessels of 3,280 tonnage were built at Indian ports; 59 of the vessels in Bombay, and 15 in Madras. The following table compares the number and tonnage of all the vessels built and of those first registered at Indian ports for six years:—

	1889		1890		1891		1892		1893		1894	
	No.	Ton- nage	No.	Ton- nage	No.	Ton- nage	No.	Ton- nage	No.	Ton- nage	No.	Ton- nage
Built . . . . .	118	4,781	106	3,006	80	2,795	86	3,316	72	2,141	98	3,280
Registered . . . . .	189	13,276	150	8,591	124	10,005	137	10,060	118	6,102	129	8,994

## Internal Communications.

### I. ROADS AND CANALS.

The following table shows the length in miles of roads maintained by public authorities throughout the country:—

	Metalled Miles	Unmetalled Miles	Total Miles
Bengal . . . . .	3,932	27,095	31,027
N. W. P. and Oudh . . . . .	4,934	23,581	28,515
Punjab . . . . .	2,256	21,920	24,176
Burma . . . . .	1,092	2,680	3,772
Central Provinces . . . . .	1,201	6,057	7,258
Assam . . . . .	120	4,759	4,879
Madras . . . . .	11,095	10,436	21,531
Bombay . . . . .	2,576	17,709	20,285
Haidarabad . . . . .	820	—	820
Coorg . . . . .	89	221	310
Mysore . . . . .	1,730	3,170	4,900
Rajputana . . . . .	771	1,162	1,933
Central India . . . . .	1,554	—	1,554
Baluchistan . . . . .	376	889	1,265
Military works . . . . .	842	440	1,282
Grand total . . . . .	33,388	120,119	153,507

The Ganges, the Brahmaputra, the Indus, and the Irawadi, with some of their branches, are largely used for inland traffic. In Southern India, especially, canals are an important means of communication. Railways, however, are now rapidly spreading all over the Peninsula.

## II. RAILWAYS.

The rate of progress in each of the last sixteen years in opening out railway communications in India will be apparent from the following figures:—

Miles open	Miles open	Miles open	Miles open
1878 8,212	1882 10,145	1886-87 13,386	1890-91 16,977
1879 8,492	1883-84 10,828	1887-88 14,377	1891-92 17,564
1880 9,308	1884-85 12,000	1888-89 15,242	1892-93 18,042
1881 9,892	1885-86 12,375	1889-90 16,097	1893-94 18,500

The total length of railway open on March 31, 1894, was as follows:—

	Miles.
State lines worked by Companies . . . . .	8,605 $\frac{1}{2}$
"    "    the State . . . . .	5,198 $\frac{3}{4}$
Lines worked by Guaranteed Companies . . . . .	2,586 $\frac{3}{4}$
"    "    Assisted Companies . . . . .	403 $\frac{1}{4}$
Lines owned by Native States and worked by Companies . . . . .	662 $\frac{3}{4}$
Lines owned by Native States and worked by State Railway Agency . . . . .	146 $\frac{1}{4}$
Lines owned and worked by Native States . . . . .	838
Foreign Lines. . . . .	58
<b>Total . . . . .</b>	<b>18,500</b>

The total capital expenditure by the State on Indian Railways up to the end of 1893, including lines under construction and survey, amounted to Rx. 249,129,610, allocated as follows:—

	Rx.		Rx.
State Railways . . . . .	151,118,837	Native States . . . . .	10,018,464
State lines leased to Companies . . . . .	30,088,517	Foreign lines . . . . .	1,684,340
Guaranteed Railways . . . . .	49,394,116	Surveys . . . . .	385,576
Subsidized Companies . . . . .	208,228	Collieries . . . . .	255,433
Assisted Companies . . . . .	5,976,104	<b>Total . . . . .</b>	<b>Rx. 249,129,610</b>

Up to the end of 1893 the total amount of capital raised by the various Guaranteed Railway Companies was 45,613,396*l.*, and for State lines leased to companies 24,736,414*l.*, or a total amount of 70,349,810*l.*, as shown below.

Guaranteed Railways	£	State Lines Leased to Companies	£
Great India Peninsula . . . . .	25,736,533	Bengal Nágpur . . . . .	7,265,781
Bombay, Baroda, & Central India . . . . .	8,807,219	Indian Midland . . . . .	7,101,116
Madras . . . . .	11,069,644	Lucknow Bareilly . . . . .	147,000
<b>Total . . . . .</b>	<b>45,613,396</b>	Southern Mahráthá . . . . .	6,603,957
		Mysore . . . . .	1,224,000
		Bengal Central . . . . .	1,000,000
		Assam-Bengal . . . . .	1,394,560
		<b>Total . . . . .</b>	<b>24,736,414</b>

The gross earnings on all railways during 1893 amounted to Rx. 24,084,229, against Rx. 23,229,253 during 1892. During 1893 the number of passengers carried was 135,520,447, the coaching earnings being Rx. 8,194,132, and the passenger mileage 5,601,635,567: while during 1892, 127,388,036 passengers



were carried, the coaching earnings being Rx. 7,744,396, and passenger mileage 5,267,638,682 miles.

The aggregate tonnage of goods, material, and live stock carried during 1893 was 28,851,531 tons, which earned Rx. 15,216,280, the ton-mileage being 4,225,119,754. In 1892 the corresponding totals were 26,334,818 tons, with an earning of Rx. 14,775,248, and a ton-mileage of 4,233,439,088.

The total working expenses amounted in 1893 to Rx. 11,347,728, or 47.12 per cent. of the gross earnings; as compared with Rx. 10,903,477, or 46.94 per cent., in 1892.

The net earnings realised were Rx. 12,736,501 against Rx. 12,325,777 in 1892, giving an average return on the capital expenditure on open lines, including steamboat services and suspense account, of 5.46 per cent. against 5.42 per cent. in the previous year.

### III. POSTS AND TELEGRAPHS.

In 1893 there were 24,124 post-offices and boxes, against 753 in 1856.

In the fiscal year ended March 31, 1893, the number of letters, postcards, and money-orders which passed through the post-offices of British India was 319,251,904; of newspapers 26,637,963; of parcels 2,169,715; and of packets 12,149,494; being a total of 360,209,076. The following table gives the number of letters, newspapers, &c., carried, and the number of offices and receiving houses, together with the total revenue and expenditure (in tens of rupees) of the Post Office in each of the five fiscal years 1889 to 1893:—

Year ended March 31	Number of Letters, Newspapers, &c.	Post Offices and Letter Boxes	Total Revenue	Total Expenditure
		Number	Rx.	Rx.
1889	293,224,228	17,600	1,281,540	1,342,452
1890	311,988,110	19,196	1,301,362	1,376,594
1891	325,278,711	20,393	1,402,748	1,396,535
1892	347,133,230	21,465	1,445,925	1,496,417
1893	360,209,076	24,124	1,488,863	1,518,555

In the fiscal year ending March 1870, the mails travelled over 50,281 miles, of which total 40,586 miles was done by boats and 'runners,' 5,460 miles by carts and on horseback, and 4,235 miles by railways. In the fiscal year ending March 31, 1893, the mails travelled over 80,472 miles, of which total 58,282 miles was done by steamers, boats and 'runners,' 4,650 miles by carts and on horseback, and 17,540 miles by railways.

The following table shows the mileage of Government telegraph lines in India, and the number of messages sent, together with the charges on and receipts from all paid messages (including those sent by the Indo-European Telegraph and Persian Gulf Section):—

Year ended March 31	Number of Miles of Wire	Number of Miles of Line	Revenue Receipts	Revenue Charges	Number of Paid Messages
			Rx.	Rx.	
1889	99,655	33,462	742,148	704,092	2,983,152
1890	106,140	35,279	766,865	731,355	3,132,571
1891	113,512	37,070	781,034	763,980	3,407,100
1892	120,159	38,625	919,335	838,720	3,808,998
1893	120,251	41,030	937,743	875,073	3,981,411

There were 1,100 telegraph offices in India on March 31, 1893.

### Money and Credit.

The great fall in the value of silver has, during the last twenty years, made the task of administering Indian finances more difficult than formerly. About sixteen millions sterling has to be spent in Great Britain on account of India, and this has to be paid in gold, while the Indian revenues are raised in silver. Thus Rx. 24,000,000 must be paid instead of Rx. 16,000,000, when the rupee is worth only 1s. 4d. instead of 2s.

The total value of the silver and copper coined in British India from 1859–60 to 1892–93 inclusive has been Rx. 247,111,083; the heaviest coinage in any one year being Rx. 16,328,917, during 1877–78, when the last great famine occurred.

The standard of the currency of India since 1835 has been silver, and the amount of money coined annually is large. Gold is coined in small quantities, but it is not current as money, and is not legal tender. In the five financial years from 1889–90 to 1893–94, the value (in tens of rupees) of the money coined at the two Indian mints (Calcutta and Bombay) was as follows:—

Year ended March 31	Gold	Silver	Copper	Total
	Rx.	Rx.	Rx.	Rx.
1890	23,051	8,551,158	204,468	8,778,677
1891	—	13,163,474	178,309	13,341,783
1892	24,801	5,553,974	166,317	5,745,092
1893	—	12,691,526	131,119	12,822,645
1894	—	4,812,500	129,509	4,942,009

In 1892–93, the exchange value of silver fell considerably below 1s. 3d.; and in view of the increasing embarrassment of the finances, and the inconvenience and impediments to trade, caused by the fluctuations in the gold value of silver, the Government of India came to the conclusion that, failing the adoption of the double standard by international agreement, measures should be taken for the adoption of a gold standard for India. The Committee, under the presidency of the Lord Chancellor, appointed to consider the proposals of the Indian Government in their Report of May 31, 1893, recommended:—

(1) The closure of the Indian Mints to the unrestricted coinage of silver for the public.

(2) The issue of rupees at the Mints in exchange for gold at the rate of 1s. 4d. the rupee, and the receipt of sovereigns at the Indian treasuries in payment of Government dues at the rate of rupees fifteen per sovereign.

Accordingly a Bill providing for the closing of the Indian Mints to the unrestricted coinage of silver for the public was introduced in the Legislative Council of the Governor General on June 26, 1893, and passed into law on the same day, as Act VIII. of 1893. Notifications were issued simultaneously providing (1) for the receipt of gold coin and gold bullion at the Mints in exchange for rupees at a ratio of 1s. 4d. per rupee; (2) for the receipt of sovereigns and half-sovereigns of current weight at treasuries in payment of Government dues at the rate of fifteen rupees for a sovereign and seven and a half rupees for a half-sovereign, and (3) for the issue of currency notes in Calcutta and Bombay in exchange for gold coin or gold bullion at the rate of one Government rupee for 1s. 4d.

On July 16, 1861, an Act was passed by the Government of India providing for the issue of a paper currency through a Government department of Public Issue, by means of promissory notes. Circles of issue were established

from time to time, as found necessary, and the notes were made legal tender within the circle for which they were issued, and rendered payable at the place of issue, and also at the capital city of the Presidency. There are now eight circles of issue, each of which gives in exchange for money notes ranging from 5 rupees to 10,000 rupees in value.

In the year ending March 31, 1863, the total value of notes in circulation was 49,260,000 rupees.

The following were the total values of notes in circulation (in tens of rupees) on March 31 in each year, from 1889 to 1894 :—

	Rx.		Rx.
1889 . . .	15,737,813	1892 . . .	24,076,408
1890 . . .	15,771,780	1893 . . .	26,401,820
1891 . . .	25,690,449	1894 . . .	30,411,631

Nearly two-thirds of the total note circulation is in the currency circles of Calcutta and Bombay.

The following are the statistics of the various Government Savings banks in India for five years. These banks were divided into Presidency banks (3), Railway banks (10), Post Office banks (6,408), and Military banks (172) in 1892-93:—

—	Banks	Native Depositors		European or Eurasian Depositors		Total	
		No. of accounts	Balance at end of Year	No. of accounts	Balance at end of Year	Depositors	Balance at end of Year
			Rx.		Rx.		Rx.
1888-89	6,236	312,722	5,936,316	70,249	1,563,755	382,971	7,500,071
1889-90	6,545	355,017	5,938,276	76,291	1,458,577	431,308	7,396,853
1890-91	6,641	402,061	6,443,606	72,709	1,453,939	474,770	7,897,545
1891-92	6,641	451,620	7,105,559	76,533	1,584,590	528,153	8,690,149
1892-93	6,593	507,529	7,833,063	80,325	1,711,511	587,854	9,544,574

### Money, Weights, and Measures.

The money, weights, and measures of India, and the British equivalents, are nominally :—

#### MONEY.

The <i>Pic</i> . . . . .	=	$\frac{1}{2}$	Farthing.
3 " . . . . .	=	1	<i>Pice</i> . . . . .
4 <i>Pice</i> , or 12 <i>Pic</i> . . . . .	=	1	<i>Anna</i> . . . . .
16 <i>Annas</i> . . . . .	=	1	<i>Rupee</i> . . . . .
16 <i>Rupees</i> . . . . .	=	1	<i>Gold Mohur</i> . . . . .

The relative value of the money of India and England fluctuates with the gold price of silver; thus, a rupee has been worth 2s. 2d., and for some years was 1s. 7d., but recently it fell below 1s. 1d. (see p. 150). The anna is worth less than 1d. at present.

The sum of 100,000 rupees is called a 'lac,' and of 10,000,000 a 'crore' of rupees.

#### WEIGHTS AND MEASURES.

The <i>Mauud</i> of Bengal of 40 <i>seers</i> . . . . .	=	82 $\frac{1}{2}$	lbs. avoirdupois.
" " Bombay . . . . .	=	28	lbs. nearly.
" " Madras . . . . .	=	25	lbs. nearly.
" <i>Candy</i> , of 20 <i>maunds</i> . . . . .	=	24.3	bushels.
" <i>Tola</i> . . . . .	=	180	gr.
" <i>Guz</i> of Bengal . . . . .	=	36	inches.

An Act 'to provide for the ultimate adoption of a uniform system of weights and measures of capacity throughout British India' was passed by the Governor-General of India in Council in 1871. The Act orders: Art. 2. 'The primary standard of weight shall be called a *seer*, and shall be a weight of metal in the possession of the Government of India, equal, when weighed in a vacuum, to the weight known in France as the kilogramme, = 2.205 lbs. avoirdupois. Art. 3. 'The units of weight and measures of capacity shall be, for weights, the said *seer*; for measures of capacity, a measure containing one such *seer* of water at its maximum density, weighed in a vacuum.' 'Unless it be otherwise ordered, the subdivisions of all such weights and measures of capacity shall be expressed in decimal parts.'

## Statistical and other Books of Reference concerning India.

### 1. OFFICIAL PUBLICATIONS.

- Accounts relating to the Trade and Navigation of British India for 1893. Calcutta, 1894.  
 Administration Report on the Railways in India for 1893-94. Calcutta, 1894.  
 Administration Reports of the various Provinces. Annual.  
*Alteison* (Sir Charles U.), A Collection of Treaties, &c., relating to India and neighbouring Countries. 3rd edit. 7 vols. Calcutta, 1893.  
 Annual Statement of the Trade and Navigation of British India with Foreign Countries, and of the Coasting Trade between the several Presidencies, together with Miscellaneous Statistics relating to the Foreign Trade of British India, from various periods to 1893-94. Imp. 4. Calcutta, 1894.  
 Colonial and Indian Exhibition, 1886. Special Catalogue of Exhibits. London, 1886.  
 East India: (1) Finance and Revenue Accounts, 1892-93, and Estimate for 1893-94; (2) Financial Statement, 1893-94, 1894-95; (3) Home Accounts; (4) Net Revenue and Expenditure; (5) Public Works Expenditure; (6) Loans raised in India. London, 1894.  
 Famine Commission, Report of. Calcutta, 1885.  
 Finance Commission, Report of. Calcutta, 1887.  
 Financial and Commercial Statistics for British India. Calcutta, 1894.  
 Gazetteers, Provincial and District.  
*Hunter* (Sir W. W.), Statistical Account of Bengal. 20 vols. London, 1877. Statistical Account of Assam. 2 vols. London, 1879.  
*Hunter* (Sir W. W.), The Imperial Gazetteer of India. 2nd edit. 14 vols. 1886-87.  
 Indian Army Commission, Report of. Calcutta, 1879.  
 Indian Army and Civil Service List. Issued by permission of the Secretary of State for India in Council. 8. London, 1894.  
*Mackenzie* (Sir A.), The North-Eastern Frontier. Calcutta, 1884.  
*Paget* (Gen.) and *Mason* (Captain), Record of Expeditions against the Tribes of the North-West Frontier. London, 1885.  
 Public Service Commission of 1886, Report and Proceedings. Calcutta, 1888.  
 Report of the Census of British India taken on February 17, 1891. London, 1893.  
 Reports of the Trigonometrical Surveys of India up to 1894.  
 Report of the Indian Education Commission. Calcutta, 1882.  
 Returns of the Agricultural Statistics of British India, 1892-93. Calcutta, 1894.  
 Review of the Accounts of the sea-borne Foreign Trade of British India for the year ending March 31, 1894. Simla, 1894.  
 Statement exhibiting the Moral and Material Progress and Condition of India during the year 1892-93. Fol. London, 1893. The same for 1892-93. London, 1894.  
 Statistical Abstract for the several Colonial and other Possessions of the United Kingdom in each year from 1875 to 1893. 8. London, 1894.  
 Statistical Abstract relating to British India from 1880-88 to 1892-93. No. XXVIII. London, 1894.  
 Statistical Atlas of India. Calcutta, 1886.  
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in 1893. Imp. 4. London, 1894.  
*Wait* (Dr. G.), Dictionary of the Economic Products of India. Calcutta, 1885-92.  
 A Classified List of Reports, &c., in the Record Branch of the India Office. London, 1894.  
 See 'A List of the Principal Indian Government Publications on Sale.' London, 1891.

## 2. NON-OFFICIAL PUBLICATIONS

- Baden-Powell* (B. H.), Land Systems of British India. Oxford, 1892. A Short Account of the Land Revenue and its Administration in British India. 8. Oxford, 1894.  
*Balfour* (Edward), The Cyclopædia of India. 3 vols. London, 1885.  
*Bluck* (C. E. D.), Memoir on the Indian Surveys, 1875-1890. London, 1891.  
*Birdwood* (Sir G.), The Industrial Arts of India. London, 1887.  
*Chesney* (General Sir G.), Indian Polity: a View of the System of Administration in India. 3rd ed. London, 1894.  
*Cunningham* (Sir H. S.), British India and its Rulers. 8. London, 1881.  
*Dilke* (Sir Charles Wentworth, Bart., M.P.), Greater Britain: a Record of Travel in English-speaking Countries in 1866 and 1867. New edit. 8. London, 1885.  
*Duff* (Grant), The History of the Malharrats. London, 1826.  
*Dufferin* (Marquis of), Speeches delivered in India. London, 1890.  
*Elliot* (Sir H. M.), History of India as told by its own Historians. The Mussulman period. 8 vols. London, 1869-77.  
*Elphinstone* (M.), History of India. London, 1866.  
*Fontpertuis* (Ad. Front de), L'Inde britannique. 8. Paris, 1878.  
*Griſſin* (Sir Lepel H.), The Rajas of the Punjab, being the History of the principal States in the Punjab. 2nd edit. 8. London, 1872.  
*Hunter* (Sir W. W.), The Indian Empire, its History, People, and Products. New edit. London, 1893.  
*Hunter* (Sir W.), Life of the Earl of Mayo. London, 1876.  
*Hunter* (Sir W.) (Editor), Rulers of India Series. London, 1890-93.  
*Hunter* (Sir W.), Bombay, 1885-1890. London, 1892.  
*Jaccoliot* (L.), Lois, prêtres, et castes dans l'Inde. 8. Paris, 1877.  
*Kaye* (John William), The Administration of the East India Company: a History of Indian Progress. 8. London, 1853.  
*Keane* (A. H.), and *Temple* (Sir R.), Asia. London, 1882.  
*Keene* (H. G.), History of India. 2 vols. London, 1893.  
*Lee-Warner* (W.), The Protected Princes of India. London, 1894.  
*Lov* (Charles Rathbone), The History of the Indian Navy. 2 vols. 8. London, 1878.  
*Lethbridge* (Sir R.), The Golden Book of India. 8. London, 1893.  
*Lyall* (Sir A.), The Rise of British Dominion in India. London, 1893.  
*Lyall* (Sir A. C.), Asiatic Studies. London, 1882.  
*MacMahon* (Gen. R.), Far Cathay and Farther India. London, 1892.  
*Mahon* (Lord), Rise of our Indian Empire. 8. London, 1858.  
*Markham* (Clements R.), Memoir on the Indian Surveys. 2nd ed. 8. London, 1878.  
*Marshman* (John Clarke), The History of India, from the Earliest Period to the close of Lord Dalhousie's Administration. 3 vols. 8. London, 1867-70.  
*Lord* (Sir Arthur), History of Burma. London, 1883.  
*Reclu* (Elisée), Géographie universelle. L'Inde et l'Indo-Chine. Paris, 1883.  
*Rousselet* (L.), India and its Native Princes. 4. London, 1876.  
*Saunders* (Trelanay), Atlas of India. London, 1889.  
*Sherring* (Rev. M. A.), History of Protestant Missions in India. 8. 2nd edit. London, 1884.  
*Smith* (Dr. G.), Short History of Christian Missions. Edinburgh, 1886. The Geography of British India, Political and Physical. London, 1882. The Conversion of India (A. D. 193-1893). 8. London, 1894.  
*Smith* (R. Bosworth), The Life of Lord Lawrence. London, 1883.  
*Stokes* (Whitley), The Indian Codes. London, 1888-91.  
*Strachey* (Sir John), India. London, 1888.  
*Strachey* (Sir John), The Finances and Public Works of India, from 1869 to 1881. 8. London, 1882.  
*Temple* (Sir R.), India in 1880. London, 1881. Men and Events of my Time in India. London, 1882.  
*Todd* (Col. J.), The Antiquities of Rajasthan. London, 1823.  
*Townsend* (M.), and *Smith* (G.), Annals of Indian Administration, 1856-75. 10 vols. Serampore and Calcutta.  
*Trotter* (Capt. L. J.), History of India under Victoria. 2 vols. London, 1886.  
*Tupper* (C. L.), Our Indian Empire. 8. London, 1893.  
*Wallace* (Prof. R.), India in 1887. Edinburgh, 1888.  
*Watson* (J. Forbes), and *Kaye* (Jn. Wm.), The People of India: a Series of Photographic Illustrations, with descriptive letterpress, of the Races and Tribes of Hindustan. 4 vols. Imp. 4. London, 1866-70.  
*Wheeler* (J. Talboys), The History of India from the Earliest Ages. 4 vols. 8. London, 1874-76. A Short History of India. London, 1880.  
*Williams* (Sir Monier), Modern India and the Indians. 8. London, 1879.  
*Williams* (Sir Monier), Religious Thought and Life in India. London, 1883.  
*Yule* (Sir H.), and *Burnell* (A. C.), A Glossary of Anglo-Indian Words and Phrases. London, 1886.

## DEPENDENT STATES.

To some extent dependent on, or feudatory to, India, are the two border States of Balúchistán and Sikkim.

## BALÚCHISTÁN.

A country in Southern Central Asia, lying approximately between lat. 25° and 32° N., and between long. 61° and 70° E.; extreme length from E. to W. about 550 miles; breadth about 450. Bounded on the N. by Afghánistán, on the E. by British India, on the S. by the Arabian Sea, on the W. by Persia. Includes (1) Independent Balúchistán; (2) Quetta and the Bolan, administered on the Khán's behalf by the British Government; (3) British Balúchistán; (4) certain Afghán and Balúch tribes on the Indian frontier.

The leading chief of independent Balúchistán is Mír Muhammad Khán, Khán of Khelát, who succeeded on the abdication of his father, Mír Khudádád Khán in August, 1893.

## KHÁNS OF KHELÁT SINCE 1700.

Abdullá Khán.	Mehráb Khán, 1819-1840.
Muhabbat Khán.	Sháh Nawáz Khán, abdicated.
Nasír Khán I., 1755-1795.	Nasír Khán II., 1840-1857.
Máhmúd Khán.	Khudádád Khán, 1857-1893.

Muhammad Khán, reigning.

The power of the Brahuí Kháns of Khelát was founded towards the end of the seventeenth century by a hill chief named Kumbar. Called in to protect the Hindu Rájá of Khelát against marauders from the east, Kumbar first expelled these invaders, and then overthrew the Hindu dynasty. His successors gradually made themselves supreme from Khelát to the Arabian Sea, and about 1740 Abdullá Khán, the fourth Brahuí Khán of Khelát, was acknowledged as chief of Balúchistán by Nádír Sháh. The districts of Quetta and Mastang were granted to Abdullá's son, Nasír Khán I., by Ahmad Sháh, the Durání King of Afghánistán. Nasír Khán's grandson, Mehráb Khán, was killed in the storming of Khelát by a British force in 1839. His son, Nasír Khán II., was acknowledged by the British Government in 1841; and in 1854 a treaty was executed with him, under the terms of which he received a yearly subsidy of 50,000 rupees. Nasír Khán was succeeded by his brother, Khudádád Khán, with whom a fresh treaty was concluded in December, 1876, by which the subsidy was raised to 100,000 rupees a year. Khudádád Khán also made over the district of Quetta to be administered by British officers, at first receiving the surplus revenue, but since 1882 an annual quit-rent of 25,000 rupees. He also received 30,000 rupees per annum as compensation for his right to levy transit dues on merchandise in the Bolan Pass. In 1893, Khudádád Khán was found guilty of murdering his Minister and other subjects, and was permitted to abdicate. His son, Mír Muhammad Khán, has succeeded to all his rights and privileges.

The Khán of Khelát is at the head of a confederacy of chiefs, but his powers cannot be precisely defined. In all important matters he is amenable to the advice of the Agent to the Governor-General in Balúchistán, who also arbitrates in disputes between the Khán and minor chiefs.

The area of Balúchistán is about 130,000 square miles. This includes (1) the greater part of Balúchistán ruled by a confederation of chiefs under the suzerainty of the Khán of Khelát; (2) the districts of Quetta and the Bolan administered on the Khán's behalf by British officials; (3) the As-

signed Districts of Pishín, Shorarud, Kachh, Kawas, Harnai, Sibi, and Thal Chotiali, which formerly belonged to Afghánistán, and are now directly under British rule; (4) the Afghán tribes between the Amir's territory and India; and (5) the Balúch tribes, known as Marrís and Búgtís. Total population of Balúchistán (British and Independent), about 500,000. The nomad Balúchís are the most widely spread race, the Brahuís of the eastern plateau being the dominant race.

During the year 1888-89 the district of Khetran was brought under British control; and more recently British authority has been established in the country between the Zhob Valley and the Gumál Pass.

The principal towns are Khelát (the capital), Quetta, which is already much larger than Khelát, Mastang, Kozdár, Bela, Kej, Bágh, Gandává, Dádar, Sonmiáni. The religion is Muhammadan. The only Hindus are shopkeepers and those who have come to Quetta for trade, labour, &c.

There is no standing army, with the exception of about 1,200 men kept up by the Khán; His Highness could perhaps assemble, at an emergency, 10,000 irregular tribal levies, indifferently armed. The fortifications recently erected by the Indian Government lie within the territory under British administration. The numerous forts scattered about independent Balúchistán could offer no resistance against artillery.

The Khán of Khelát's revenue consists of his subsidy from the Indian Government of 100,000 rupees a year, his quit-rent of 25,000 rupees for the Quetta district, and a share in the agricultural produce taken from the inferior cultivators in Independent Balúchistán. The last source of revenue varies considerably. In a good year it might be worth 500,000 rupees.

The agricultural produce of Balúchistán is limited, owing to the scanty and uncertain rainfall; but most of the crops grown in India may be found in the country. Coal has also been found in several places. At Khost, on the Sind-Pishín Railway, it has been successfully worked for some years past. Balúchistán is an immense camel-grazing country. Steps have been taken to improve the breed of horses in Balúchistán by the importation of thoroughbreds, Norfolk trotters, and Arab stallions. Local manufactures are unimportant, being confined to a few matchlocks and other weapons. The nomad tribes make for themselves rough blankets and rugs. The chief exports are wood, hides, madder, dried fruit, bdellium, tobacco, and dates. The following table shows, as nearly as can be estimated, the imports and exports of Balúchistán from and to British India for the past two years. The trade over the Sind-Pishín Railway, very little of which goes beyond British territory, is excluded:—

	Imports		Exports	
	1893	1894	1893	1894
	Rx.	Rx.	Rx.	Rx.
Lus Bela . . .	27,809	25,000	40,513	48,100
Khelát . . .	20,481	26,500	57,123	64,700

The country through which the Bolan and Sind-Pishín Railways run is under British administration. Elsewhere camels serve as the chief means of transport. Surveys have recently been made for a line of railway from

Karachi to Quetta *via* Las Bela, Kharan, and Khelát. There is a line of telegraph to Quetta, and the submarine cable from Karachi to the Persian Gulf touches at Gwadar.

See 'The Country of Baluchistan,' by A. W. Hughes, London, 1877. 'Travels in Baluchistan and Sindh,' by Sir H. Pottinger, London, 1816. 'Unexplored Baluchistan,' by E. A. Floyer, London, 182. 'Wanderings in Baluchistan,' by General Sir C. MacGregor, London, 182. The Administration Report of the Baluchistan Agency for 1893-94, Calcutta, 1894. 'Across the Border, or Pathan and Biloch,' by E. E. Oliver, London, 1891.

### SIKKIM.

An Indian feudatory State in the Himálayas, bounded on the N. by Tibet proper, on the E. by the Tibetan district of Chumbí, on the S. by the British district of Darjiling, and on the W. by Nepál. Extreme length from N. to S., 70 miles; extreme breadth, 50 miles.

In March 1889 a treaty was signed by the Viceroy of India and the Chinese representative, by which the British protectorate over Sikkim is recognised by China. The treaty (ratified by Queen Victoria on August 17, 1890) also declares that the British Government has direct and exclusive control over the internal administration and foreign relations of Sikkim.

A British officer has been appointed to advise the Mahárájá and his council, and to reorganise the administration. The Mahárájá, however, declined to comply with the conditions prescribed by the Indian government, and he is now compelled to live under surveillance in British India. The members of the council carry on the administration, with the assistance of the Political Agent.

Estimated area, 2,818 square miles. Population, according to a census taken in 1891, 30,458. The people are known to their Gúrkha neighbours as Lepchas, but call themselves Rong.

Principal towns, Tumlong and Gamtak.

The religion is Lamaism.

The revenues of the Mahárájá were formerly said to amount to Rx. 84 yearly over and above his subsidy. Since British intervention, there has been a considerable improvement, due chiefly to the increased assessment in tracts where surveys have been made. In the year 1892, the gross receipts were Rx. 4,840, the total expenditure Rx. 5,147. The land revenue, amounting to Rx. 3,143, is assessed and collected by twelve Kázis and other subordinate officials. The Kázis exercise a limited civil and criminal jurisdiction within their districts; important cases being referred to the council. The lamas pay no dues to the State.

Sikkim produces rice, Indian corn, millet, oranges, tea, and two or three kinds of cloth. There are valuable forests in the State and wide tracts of unoccupied waste. A few copper mines are worked.

The principal trade route from Bengal to Tibet passes through Sikkim; but the through trade is, for the time being, practically extinguished, owing to the complications on the Tibetan frontier.

The following table gives the value of imports to and exports from British India for three years:—

	1892	1893	1894
	Rx.	Rx.	Rx.
Imports . . .	12,699	18,091	20,708
Exports . . .	22,016	24,360	28,311



The chiefs imports were cotton piece goods, tobacco, and rice; the chief exports food grains and vegetables.

See 'Report on a Visit to Sikkim in 1873,' by Sir John Edgar, Calcutta 1874; 'Report on Explorations in Sikkim, &c.,' by Lieut.-Col. Strahan, Dehra Dun, 1889.

Also attached to British India are the following island groups :

### ANDAMAN AND NICOBAR ISLANDS.

The Andamans are a group consisting of the Great and Little Andamans on the east side of the Bay of Bengal, 600 miles from the Hugli mouth of the Ganges. The Great Andamans comprise three large islands, the North, Middle, and South, with several smaller ones; the group is about 156 miles long and 20 miles wide; area, 1,760 square miles. The most considerable of the Little Andamans are Interview, Outram, Henry Lawrence, and Rutland Islands. The aboriginal population, of diminutive size and low type, is variously estimated at from 2,000 to 10,000. The islands are mainly used as a convict settlement for India. At the end of 1893 the convict population was 10,866, of whom some 2,601 held tickets as self-supporters. There is a police force of 645 men. Port Blair, the principal harbour, is on the South Island of the Great Andamans. The population of Port Blair (1891) is 15,670. Other ports are Port Campbell on the west of South Andaman, and Port Cornwallis on the east coast of North Andaman. About 21,663 acres have been cleared for cultivation by the convicts, the produce mainly for local use. The whole group was formally annexed in 1858, and is placed under a 'Chief Commissioner and Superintendent of the Andaman and Nicobar Islands,' appointed by the Indian Government.

The Nicobar Islands are a group to the south of the Andamans, 634 square miles. There are 8 large and 12 small islands. Great Nicobar is 30 miles long, 12 to 15 miles wide. There used to be a convict station at Nancowry or Camorta Island, but in 1888 the place was abandoned as a penal settlement. The number of aboriginal inhabitants is 6,915. The islands are said to yield annually 15,000,000 coco-nuts—one half exported; edible birds' nests, tortoise-shell, ambergris, trepang are also shipped.

See 'Report on the Administration of the Andaman and Nicobar Islands, for 1892-93,' Calcutta, 1893.

### LACCADIVE ISLANDS.

A group of 14 islands (9 inhabited), about 200 miles off the west or Malabar coast of the Madras Presidency. The northern portion is attached to the collectorate of South Kánara, the remainder to the administrative district of Malabar. Population (1891), 14,440, all Muhammadans. The staple product is the fibre known as coir.

### KAMARAN ISLAND.

Small island in the Red Sea, on the west coast of Arabia, 20 miles SSW. of Sohera, 15 miles long, 5 miles wide. There are 7 small villages occupied by fishermen. Affords good sheltered anchorage.

**Keeling Islands.** See STRAITS SETTLEMENTS.

**Kuria Muria Island.** See ADEN.

**LABUAN.**

*Governor.*—Charles Vandeleur Creagh, C. M. G.

*Acting Resident and Treasurer.*—W. R. Flint.

Crown colony, placed, in 1890, under the government of the British North Borneo Company.

An island about 6 miles from the north-west coast of Borneo, in the Malayan Archipelago. Area, 30½ square miles. Population (1891), 5,853 estimated, mostly Malays from Borneo, with some Chinese traders; 30 Europeans in 1891. Capital, Victoria, 1,500 inhabitants.

—	1889	1890	1891	1892	1893 <sup>1</sup>
	£	£	£	£	£
Revenue . . .	4,272	4,701	8,977	6,311	6,291
Expenditure . . .	3,828	5,364	7,368	4,876	5,720
Exports <sup>2</sup> . . .	50,919	43,308	55,230	54,832	39,588
Imports . . .	74,443	70,064	75,629	86,782	82,082
Tonnage, entered and cleared . . .	126,745	114,750	124,134	115,455	109,142

<sup>1</sup> Dollar at 3s. 2d.

<sup>2</sup> Exclusive of those in native vessels.

Sago, gutta-percha, india-rubber, wax, &c., are imported from Borneo and other islands and exported to Singapore. In 1893, 8,355 tons of coal were exported. There is no trade with the United Kingdom.

Chief sources of revenue: Retail licences, also customs on spirits, wines, tobacco, &c. There is no public debt.

Reference: Colonial Report. Annual. London. (See also BRITISH BORNEO.)

**THE STRAITS SETTLEMENTS.****Constitution and Government.**

The Straits Settlements, a Crown colony, which comprises Singapore, Penang (including Province Wellesley and the Dindings), and Malacca, were transferred from the control of the Indian Government to that of the Secretary of State for the Colonies on April 1, 1867, by an Order in Council issued under the authority of an Act of the Imperial Parliament, 29 and 30 Vict. c. 115. The Cocos Islands were placed under the Straits Settlements by letters patent dated February 1, 1886, and Christmas Island by letters patent dated January 8, 1889.

The administration of the colony is in the hands of a Governor, aided by an Executive Council, composed of the general officer commanding the troops, the Colonial Secretary, the Resident Councillors of Penang and Malacca, the Attorney-General, the Treasurer, the Auditor-General, and the Colonial Engineer. There is also a Legislative Council, presided over by the Governor, and composed of ten official and seven unofficial members, five nominated by the Crown and two elected by the Chambers of Commerce of Singapore and Penang.

*Governor.*—Lieut.-Col. Sir C. B. H. Mitchell, K. C. M. G.; Colonial Secretary British Honduras, 1868; administered the Government, 1870–76; Receiver-General British Guiana, 1877; Colonial Secretary Natal, 1877; acted as Governor, 1881–82, 1885–86; Governor of Fiji, 1886; administered government of Natal and Zululand, 1889; Governor, 1889; and Governor Straits Settlements, 1893.

There are municipal bodies in each settlement, the members of which are partly elected by the ratepayers, and partly appointed by the Governor.

### Area and Population.

Singapore is an island about twenty-seven miles long by fourteen wide, with an area of 206 square miles, situated at the southern extremity of the Malay Peninsula, from which it is separated by a narrow strait about three-quarters of a mile in width. There are a number of small islands adjacent to it, which form part of the settlement. The seat of government is the town of Singapore, at the south-eastern point of the island. Penang is an island of 107 square miles, situated off the west coast of the Malayan Peninsula, and at the northern extremity or entrance of the Straits of Malacca. On the opposite shore of the mainland, from which the island is separated by a strait from two to ten miles broad, is Province Wellesley, a strip of territory forming part of the Settlement of Penang, averaging eight miles in width, and extending forty-five miles along the coast, including ten miles of territory to the south of the Krian, the whole containing an area of 270 square miles. The chief town of Penang is George Town. Off the coast of Perak is the small island of Pangkor, which, together with a small strip of the opposite mainland, has been acquired as British territory, the whole being known as the Dindings. Malacca is situated on the western coast of the peninsula between Singapore and Penang—about 110 miles from the former and 240 from the latter—and consists of a strip of territory about forty-two miles in length, and from eight to twenty-four and a half miles in breadth.

In addition, the Native States of Perak, Sēlángor, Sungei Ujong, Negri Sembilan, and Pahang, which occupy a large portion of the peninsula, are under British protection.

After the military occupation of Perak, those concerned in the murder of Mr. Birch were captured and punished. In Perak, Sēlángor, and Sungei Ujong, including Jelebu, Residents were appointed in 1874, who are assisted by a staff of European officers; and it is their duty to aid the native rulers by advice, and to carry out executive functions. The supreme authority in each State is vested in the State Council, consisting of the highest native authorities and the principal British officials. The Residents are directly under the Governor of the Straits Settlements.

In 1883 the relations of the colony were consolidated with the small Native States on the frontier of Malacca. These States were confederated in 1889, under the name of Negri Sembilan. A State Council has been formed, and a Resident has been appointed. In 1887, by agreement with the Raja of Pahang, the control of his foreign relations, &c., was surrendered to the British Government. This was followed by a further agreement in 1888 with the Raja (now styled Sultan), under which Pahang was taken under British protection, on the same terms as the Protected Native States on the west coast of the peninsula. Pahang is situated on the east coast, within 200 miles by sea from Singapore. The Sultan of Johor in 1887 placed, in the spirit of former treaties, his foreign relations in the hands of this country, and agreed to receive a British Agent.

The areas of these States, in square-miles, are:—Perak, 10,000; Sēlángor, 3,000; Sungei Ujong, 660; Negri Sembilan, 2,000; Johor, 9,000; Pahang, 10,000. The duty on the export of tin forms the largest item of the revenue of these States. Gold is found in considerable abundance in some of them. The country, however, is otherwise rich, and offers great advantages for the cultivation of coffee and cinchona on its high land, and of paddy in the valleys.

The following figures give the numbers in the several Settlements, inclusive of the military, at the census, 1881, and the general results of the census of April 6, 1891 :—

1881	Singapore	Penang	Malacca	Totals
White :				
Males . . . . .	2,207	565	31	2,803
Females . . . . .	562	109	9	680
	2,769	674	40	3,483
Coloured :				
Males . . . . .	103,216	123,640	52,028	278,884
Females . . . . .	33,223	66,283	41,511	141,017
	136,439	189,923	93,539	419,901
Totals (1881) . . . . .	139,208	190,597	93,579	423,384
Totals (1891) . . . . .	184,554	235,618	92,170	512,342

Under the heading of Penang are included Penang Island, Province Wellesley, and the Dindings.

The following are the chief statistics of the census of 1891 :—

—	Malays	Chinese	Natives of India
Singapore . . . . .	35,992	121,908	16,035
Penang, &c. . . . .	106,756	87,920	36,245
Malacca . . . . .	70,325	18,161	1,647
Total . . . . .	213,073	227,989	53,927

A census of the population of the native States was also taken in 1891, the totals being as follows : Perak, 214,254 ; Sélángor, 81,592 ; Sungei Ujong, 23,602 ; Pahang, 57,462 ; Negri Sembilan, 41,617.

The births and deaths in 1893 were as follows :—

—	Singapore	Dindings	Penang	Province Wellesley	Malacca
Births . . . . .	3,332	110	2,303	3,487	3,156
Deaths . . . . .	6,776	95	4,167	2,956	2,951

In 1893, 213,545 Chinese immigrants landed in the colony, as against 139,174 in 1892. The total number of Indian immigrants in 1893 was 18,220, against 18,421 in 1892, and 10,605 in 1883. Of the total 2,106 were under indenture. The number returned to India in 1893 was 14,045.

### Instruction.

Education, which is not compulsory in the colony, is partly supported by the Government.

The number of schools and scholars is as follows, 1893 :—

	No. of Schools	Attendance
Government English schools . . . . .	8	918
Grant-in-aid English schools . . . . .	32	4,217
Government vernacular boys' & girls' schools . . . . .	173	6,374
Total . . . . .	213	11,509

### Justice and Crime.

The law in force is contained in local ordinances and in such English and Indian Acts and Orders in Council as are applicable to the colony. The Indian Penal Code, with slight alterations, has been adopted, and there is a Civil Procedure Code based on the English Judicature Acts. There is a Supreme Court which holds assizes at Singapore and Penang every two months, and quarterly at Malacca, and which holds civil sittings monthly at Singapore and Penang, and once or twice a quarter at Malacca.

There are, besides, police and marine magistrates' courts. The total convictions before the Supreme Courts in 1893 was 194; before the other courts 22,038. The police force numbered over 2,000 of all ranks in 1893, of whom about 100 were Europeans. The number of criminal prisoners admitted to the gaols in 1893 was 6,843.

### Finance.

The public revenue and expenditure of the colony for each of the last five years were as follows :—

Years	Revenue	Expenditure
	Dollars	Dollars
1889	4,410,620	3,816,194
1890	4,269,125	3,757,693
1891	3,826,583	4,599,199
1892	3,652,877	4,265,783
1893	3,706,308	3,915,482

The estimated revenue for 1894 was 3,818,170 dollars. The leading items of revenue in 1893 were—stamps, 267,242 dollars; licences, 2,433,180 dollars; land revenue, 266,317 dollars; port and harbour dues, 131,547 dollars; postage, 135,350 dollars; and of expenditure—salaries, 1,411,643 dollars; public works, 546,193 dollars; education, 98,739 dollars; police, 89,853 dollars; marine department, 71,531 dollars; transport, 78,217 dollars; military expenditure, 752,523 dollars.

The revenue in 1893 was derived as follows :—Singapore, 2,099,029 dollars; Penang, 1,323,340 dollars; Malacca, 283,939 dollars.

The total assets of the colony, January 1, 1894, amounted to 2,369,534 dollars, and liabilities 835,020 dollars.

The revenue and expenditure of the native States virtually under the protection of the Straits Settlements are as follows for 1893 :—

	Revenue	Expenditure
	Dollars	Dollars
Perak . . . . .	3,034,094	2,395,539
Selangor . . . . .	2,765,351	2,605,588
Sungei Ujong . . . . .	388,976	376,562
Negri Sembilan. . . . .	130,938	132,067
Pahang . . . . .	83,688	222,236

Debt of Sungei Ujong, 204,970 dollars; Negri Sembilan, 252,941·95 dollars; Pahang, 953,711·54 dollars.

### Defence, Production, and Industry.

The new harbour of Singapore, comprising the coal stores, wharves, and docks, is defended by several forts armed with armour-piercing and medium guns, and by a system of submarine mines. The initial cost of the forts amounted to nearly 100,000*l.*, and was defrayed out of the revenues of the colony, the Imperial Government supplying the guns and ammunition only. The garrison comprises one battalion of infantry at war strength, two batteries of European artillery, half a company of fortress engineers, and a company of Malay submarine miners. A further augmentation of the garrison is under contemplation.

The colony also maintains an armed police force consisting of 35 officers and over 2,000 men, and a battery of volunteer artillery consisting of 93 officers and men. The latter during time of war would be placed under the orders of the officer commanding the troops and act as auxiliaries to the European artillery.

The only articles produced to any considerable extent in the Straits territory are gambier in Singapore; pepper in Singapore and Province Wellesley; tapioca, chiefly in Malacca and Province Wellesley; rice in Malacca and Province Wellesley; and sugar in Province Wellesley. The Perak Government has recently grown good tea as an experiment, and it is also grown in Johor. Perak, Selangor, and Sungei Ujong produce tin, and Pahang is rich in gold, tin, and galena.

### Commerce.

The Straits ports are wholly free from duties on imports and exports, and their trade, centred at Singapore, is to a large extent a transit trade. The chief exports comprise tin, sugar, pepper, nutmegs, mace, sago, tapioca, rice, buffalo hides and horns, rattans, gutta percha, india-rubber, gambier, gum, copra, coffee, dyestuffs, tobacco, &c.

The following table shows the value of imports and exports (exclusive of inter-Settlement trade) for five years:—

Years	IMPORTS				EXPORTS			
	From U.K.	From Colonies	From Elsewhere	Total	To U.K.	To Colonies	To Elsewhere	Total
	Dollars	Dollars	Dollars	Dollars	Dollars.	Dollars	Dollars	Dollars
1889	25,131,807	42,073,566	78,933,347	146,138,720	27,268,964	15,499,527	80,668,239	123,431,730
1890	23,551,582	41,209,476	82,536,259	147,297,317	24,784,830	24,534,412	78,604,440	127,923,682
1891	21,501,712	41,020,305	73,864,200	135,886,217	24,504,509	17,765,629	83,535,634	125,805,772
1892	22,296,191	39,247,601	79,884,160	141,427,952	25,084,603	18,307,410	91,245,694	134,637,707
1893	22,126,738	42,041,115	95,981,107	160,148,960	30,294,499	20,243,591	94,219,354	144,757,394

The tables of the values of the imports into, and exports from, the three Settlements during two years, give the following results :—

—	IMPORTS		EXPORTS	
	1892	1893	1892	1893
	Dollars	Dollars	Dollars	Dollars
Singapore . . .	106,970,062	123,974,642	97,850,449	108,456,082
Penang . . .	41,421,576	43,910,132	43,674,818	43,693,722
Malacca . . .	1,682,285	1,731,274	1,486,700	2,005,178

The trade of the Native States (including inter-State trade) was as follows in 1893 :—

—	Perak	Selangor	Sungei Ujong	Negri Sembilan	Pahang
Imports	Dollars 10,188,448	Dollars 9,274,650	Dollars 2,069,186	No Returns	No Returns
Exports	14,499,475	10,271,809	2,234,922		

The following table shows the value of the most important imports and exports of the Straits Settlements in 1893 :—

—	Imports	—	Exports
	Dollars		Dollars
Rice . . . . .	19,172,132	Tin . . . . .	30,102,331
Cotton Piece Goods . . . . .	7,608,986	Spices . . . . .	8,354,282
Opium . . . . .	9,062,159	Gambier . . . . .	5,905,126
Fish . . . . .	5,261,329	Gums . . . . .	4,486,879
Coal . . . . .	2,633,011	Tapioca . . . . .	3,382,415
Tobacco . . . . .	3,000,548	Rattans . . . . .	3,139,638
Provisions . . . . .	1,903,938		

Among the leading imports are cotton goods, opium, rice, tea, coffee, tobacco, hardware, copper, copra, gambier, pepper, gum, rattans, sago, cigars, tin, tapioca ; many of these, however, being largely re-exported.

The values are determined by the market prices at the time, and declarations are made both as to quantity and value by importers and exporters. Imports are credited to the country of the first port of shipment, and exports to the country where the final port of destination is, as far as can be ascertained ; thus, *e.g.*, Switzerland is never inserted in the returns. The information is supplied by traders on declaration forms. There may be said to be three classes of trade—*passing, transit, actual*; passing trade being goods in vessels merely passing through Singapore for China, &c., which vessels may or may not have cargo for Singapore ; transit trade, goods changing bottom at Singapore, or landed and stored awaiting re-shipment. These two classes of trade are *not* included in the import and export statistics. Actual trade may be defined as goods brought for sale into Singapore and purchased there, either for consumption or for sale to other places whither they are said to be exported. The trade is a transit trade in the sense only that what is imported is exported without undergoing any process of manufacture. Exchange fluctuations affect the value of the statistical results. In times of low exchange the dollar value of goods having their origin in gold countries is enhanced, and the same probably holds good, to a less extent, the case of produce exported.

The following table shows, according to the Board of Trade Returns, the value of the trade between the Straits Settlements and Great Britain for five years :—

—	1889	1890	1891	1892	1893
Imports into U.K. from the Straits.	£ 5,417,034	£ 5,187,801	£ 5,356,865	£ 4,868,289	£ 4,518,387
Exports of British produce to the Straits . . .	2,396,046	2,883,244	2,463,543	2,092,486	1,756,537

The principal imports into the United Kingdom are (1893) tin, 2,246,281*l.*; spices, 432,930*l.*; cutch and gambier, 380,243*l.*; gutta percha, 247,568*l.*; the principal exports from the United Kingdom, cottons 832,335*l.*; iron, 167,857*l.*; machinery, 58,983*l.*

### Shipping and Navigation.

The total number of vessels entered at the ports of the colony during 1893, exclusive of native craft, was 8,709, with a tonnage of 5,356,402 tons. The number of native craft was 12,999, with a tonnage of 399,001 tons. The number of vessels cleared at the ports of the colony was 8,675, with a tonnage of 5,257,404 tons, and the total number of native craft was 12,861, with a tonnage of 389,490 tons.

### Communications.

There are no railways within the colony itself, but in Penang there are over 4 miles of tramway open, constructed and worked by a private firm. The motive power is steam. In Perak there is a railway from Port Weld to Taiping, 8 miles in length, from Taiping to Ulu Sápeting, 9 miles, from Teluk Anson to Tapah 16 miles, and from Ipoh to Batu Gajah, 8 miles, with a branch line  $1\frac{3}{4}$  miles in length, connecting Lahat with the main line being constructed from Batu Gajah to Tapah. In Sélángor a railway, 22 miles long, connects the capital, Kwala Lumpor, with the port of Klang. Kwala Lumpor is also connected with Serendah, an important mining centre, by a line  $24\frac{3}{4}$  miles long, and with Pudo, a mining village, by a line 2 miles long. In Sungei Ujong a railway of 23 miles has been constructed from Port Dickson on the coast to the capital, Seremban. The following lines are under construction: in Perak, from Tapah to Batu Gajah, 26 miles; in Sélángor Serendah to Kwala Kubu,  $13\frac{1}{2}$  miles, and from Pudo to Sungei Besi, 7 miles; it is also proposed to extend the railway from Klang to Tanjong Kubu,  $5\frac{1}{4}$  miles.

In 1893, 2,532,590 letters and articles of all kinds were received at the Post Office, and 2,780,750 despatched.

### Money, Weights, and Measures.

There are three banks with establishments in the colony. The amount of deposits in the Government Savings Bank on December 31, 1893, was 204,735 dollars.

By an Order of the Queen in Council dated October 21, 1890, the silver Mexican dollar was made the standard coin. The Hong Kong dollar, the Japanese yen, and the American trade dollar are also legal tender if of a certain millesimal weight and fineness. Silver coins representing fractional



parts of a dollar form legal tender of sums not exceeding two dollars, and copper coins, *i.e.* cents, half and quarter cents, for any sum not exceeding one dollar.

#### WEIGHTS AND MEASURES.

The measure in use in the Settlements is the English yard, with its divisions and multiples, and land is measured by the English acre. The native terms are, however, still in use.

#### COMMERCIAL WEIGHT.

16 Tahil	= 1 Kati	= 1 $\frac{1}{3}$ lb. avoirdupois.
100 Kati	= 1 Picul	= 133 $\frac{1}{3}$ lbs. ,,
40 Picul	= 1 Koyan	= 5,333 $\frac{1}{3}$ ,, ,,

The kati of 1  $\frac{1}{3}$  lb. is known as the Chinese kati. Another weight, known as the Malay kati, and still in partial use in Penang, is equal to the weight of 24 Spanish dollars, or 9·984 grains. This gives 142·628 lbs. as the weight of the picul, and 5,705·143 lbs. as the weight of the koyan. The measures of capacity throughout the colony are the gantang or gallon, and chupak or quart.

The State of Johore (area 9,000 square miles, population 300,000), at the southern extremity of the Malay Peninsula, is, in its foreign relations, controlled by Great Britain, in virtue of a treaty of 1885. The Sultan is H.H. Abu Bakar, G.C.M.G., under whom the country is administered by small headmen. The revenue is chiefly from import and export duties. Imports are opium, spirits, tobacco, rice, hardware, Manchester goods, &c. Exports are gambier, pepper, sago, tea, coffee, gutta percha, &c. The population is chiefly Malay and Chinese. Chief Town, Johore Bahru, 15 miles N. of Singapore.

Keeling or Cocos Islands, group of about 20 small coral islands, about 700 miles S.W. of Sumatra, and 1,200 miles S.W. of Singapore. Population (1891), 554. The islands were formally annexed to England in 1857, and placed under the Governor of the Straits Settlements by Letters Patent in 1886. Large quantities of copra, coco-nuts, and oil are exported.

Christmas Island is 200 miles S.W. of Java, and 700 miles E. of Keeling Islands. It is 9 miles long and about the same wide. It was added to the colony by Letters Patent in January 1889, and a settlement from the Cocos Islands has since been made on it.

### Books of Reference concerning the Straits Settlements.

- Colonial Office List. Annual. London.  
 Statistical Abstract for the Colonial and other Possessions of the United Kingdom Annual. London.  
 Blue Book for the Straits Settlements. Annual. Singapore.  
 Annual Reports on the Native States. Singapore.  
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions. London.  
 Perak Handbook and Civil List. Singapore, 1895.  
 Précis of Information concerning the Straits Settlements and Malay Peninsula. Prepared in the Intelligence Division, War Office. S. London, 1892.  
 Bird (Isabella L.), The Golden Cheronese. London, 1883.  
 Dennys (N. B.), A Descriptive Dictionary of British Malaya. S. London, 1891.  
 Jagor (F. S.), Reiseskizzen. Berlin, 1866.  
 Journal of the Straits Branch of the Royal Asiatic Society. Singapore.  
 Keane (A. H.), An Eastern Geography. London, 1887.  
 McNair (F.), Perak and the Malays. Sarong and Kris. S. London, 1878.  
 Wallace (A. R.), Malay Archipelago. London, 1869.

## AFRICA.

**Amsterdam Island.** See MAURITIUS.

### ASCENSION ISLAND.

Ascension is a small island of volcanic origin, of 35 square miles, in the South Atlantic, 750 miles N.W. of St. Helena. It is entirely under the control and jurisdiction of the Lords Commissioners of the Admiralty, and is used as a coaling, victualling, and store depôt for Her Majesty's ships on the West Coast of Africa station. There is an excellent sanitarium up Green Mountain for crews of ships visiting the island, whose health is impaired from service on the coast. There is a farm of 8 acres under cultivation. The population, which consists entirely of officers, seamen and marines, with their wives and families, and about 50 Kroomen, numbers in all about 140. Garrison station, Georgetown, on northeast coast.

The island is the resort of the sea turtle, which come in thousands to lay their eggs in the sand. Imports from the United Kingdom into Ascension (1893), 2,722*l.*, mostly stores. The island is included in the Postal Union. *Captain in Charge*, Captain John G. Jones, R.N.

#### REFERENCE.

*Gill* (Mrs. D.), *Six Months in Ascension*. S. London, 1878.

### BASUTOLAND.

Basutoland forms an irregular oval on the north-east of the Cape Colony. The Orange Free State, Natal, and the Cape Colony form its boundaries. Its area is estimated at 10,293 square miles. The territory, which is well watered and has a fine climate, is stated to be the best grain-producing country in South Africa, and the abundant grass enables the Basutos to rear immense herds of cattle. The country is really one continuous elevated plateau, though broken and rugged.

Basutoland was annexed to the Cape in August 1871; but it was placed directly under the authority of the Crown from March 13, 1884. The territory is now governed by a Resident Commissioner under the direction of the High Commissioner for South Africa, the latter possessing the legislative authority, which is exercised by proclamation. For fiscal and other purposes the country is divided into six districts, namely: Maseru, Leribe, Cornet Spruit, Berea, Mafeting, and Quthing. Each of the districts is subdivided into wards, presided over by hereditary chiefs allied to the Moshesh family.

According to the census taken in 1891 the population consisted of 578 Europeans and 218,324 natives. As European settlement is prohibited, the white population will remain more or less limited to the few engaged in trade, government, and missionary work. Maseru, the capital and largest town, has a population of 862, of whom 99 are Europeans.

The productions are wool, wheat, mealies, and Kaffir corn. There are indications of iron and copper, and coal has been found and is used in some parts, two mines being actively worked for local supply. Stock, &c. (1891): 81,194 horses, cattle 320,934, ploughs 10,434, waggons 808.

There are 137 schools (mostly missionary), with 6,937 scholars; grant in aid, 3,680*l.* There are two small Government schools and some industrial schools.

The imports consist chiefly of blankets, ploughs, saddlery, clothing, iron and tin ware, and groceries. Imports in 1893, according to Cape or Free State returns, 98,072*l*. The total exports in 1893 were 103,608*l*. The exports consist chiefly of grain, cattle, and wool. The commercial intercourse is almost exclusively with the Cape Colony and Orange Free State, and on July 1, 1891, Basutoland was admitted into Customs Union with these States.

The currency is exclusively British, but exchange is still largely conducted by barter. The revenue arises from the Cape contribution (18,000*l*.), the Post Office, native hut tax (at the rate of 10*s*. per annum), and the sale of licences.

—	1888-89	1889-90	1890-91	1891-92	1892-93	1893-94
	£	£	£	£	£	£
Revenue . . .	37,210	39,606	41,784	40,753	41,045	43,667
Expenditure . .	34,872	37,265	40,825	42,657	39,838	41,301

There is no public debt.

There are no navigable waterways, the rivers being low in winter and generally flooded in summer. The roads in the country are now in good condition for any kind of transport. The line of postal communication is through the Cape Colony and Orange Free State. There are telegraph offices at Maseru and Mafeteng in communication with the Cape Colony telegraph system; and there is also telegraphic communication between Maseru and Ladybrand, the Orange Free State bearing part of the cost.

*Resident Commissioner*.—Colonel Sir Marshal James Clarke (late R.A.), K.C.M.G. (1,500*l*.)

*Acting Resident Commissioner*—G. Y. Lagden, C.M.G.

References.—Colonial Report. Annual. London.

*Barkly* (Mrs.), Among Boers and Basutos. 2d. ed. 8. London. 1894.

*Noble* (J.), Illustrated Official Handbook of the Cape and South Africa. 8. London. 1893.

## BECHUANALAND.

The Crown colony of Bechuanaland lies between the South African Republic on the east, Cape Colony on the south, the 20th meridian of east longitude on the west, the Molopo River on the north, while the protectorate extends over the Kalahari Desert to 21° E. long. and 22° S. lat. An Order in Council, July 4, 1890, places the parts of South Africa situate north of British Bechuanaland, west of the South African Republic and of Matabeleland, east of the German Protectorate, and south of the Zambezi under the jurisdiction of the Governor of British Bechuanaland. The total area is 170,000 square miles, of which 71,000 square miles form the Crown colony, and the population (1891) (British Bechuanaland only), was 60,376, of whom 5,254 were whites; the rest natives, of whom 47,650 lived in locations, and paid hut tax. The Crown colony was annexed, and the protectorate declared September 30, 1885. It is under direct Imperial jurisdiction, through the Governor of Cape Colony, who is also Governor of British Bechuanaland, where he is represented by an administrator. The country is stated to be well adapted for cattle and for maize; gold, lead, silver, and iron have been found. The climate is healthy. The country is generally from 4,000 to 5,000 feet above sea-level, though much of it suffers from want of water. The chief industry is agriculture, the products being raised for local consumption. Tobacco is being cultivated; maize, wool, hides, cattle, and wood are

exported. There is a well-trained force of Border police, numbering 450, of whom 350 patrol the protectorate.

—	1888-89	1889-90	1890-91	1891-92	1892-93
	£	£	£	£	£
Revenue <sup>1</sup>	91,682	99,043	161,303	164,300	146,293
Expenditure	87,985	98,594	159,545	164,700	154,615

<sup>1</sup> Including Parliamentary Grant, 76,000*l.* in 1888-89; 89,542*l.* in 1889-90; 115,991*l.* in 1890-91; 120,000*l.* in 1891-92; 100,000*l.* in 1892-93.

A tax of 10*s.* per annum is levied on every native hut. The seat of administration is at Vryburg, in Stellaland, a settlement originally formed by the Boers on the border of the Transvaal. There are good roads and the railway from the Cape to Kimberley has been extended to Vryburg, and is being extended northwards to Mafeking. The postal service is incorporated with that of Cape Colony; there is a daily post to Cape Colony and a weekly post to Matabeleland. A telegraph extends to Mafeking, the chief emporium in the colony, from Cape Town, and has been continued northwards through the protectorate, as far as Fort Salisbury, in Mashonaland. The chiefs of the protectorate are Khama, at Palachwe, chief of the Bamangwato; Batwen, at Kanya, chief of the Bangwaketsi; Lenchwe, at Mochudi, chief of the Bakhatla; Sebele, son of Sechele, at Molopolole, chief of the Bakwenas; Ikaneng, at Ramoutsa, chief of the Bamaliti (under Batwen), with whom is an assistant commissioner. There is also an Assistant Commissioner for the Northern Protectorate, who resides at Palachwe. There are resident magistrates at Vryburg, Mafeking, Taungs, Kuruman, and Gordonia.

*Administrator, Deputy High Commissioner, and Chief Magistrate.*—Sir Sidney G. A. Shippard, K.C.M.G. (1,800*l.*)

Bechuanaland. Commission and Instructions to Major-General Sir Charles Warren, K.C.M.G., as Special Commissioner to Bechuanaland. London, 1884, and subsequent Blue Books.

**Berbera.** See under ADEN.

## CAPE OF GOOD HOPE.

(CAPE COLONY.)

### Constitution and Government.

The form of government of the colony of the Cape of Good Hope was originally established by Order in Council of the 11th of March, 1853. By Act 28 Vict. c. 5, and Colonial Act III. of 1865, which provided for the incorporation of British Kaffraria with the colony, various changes were made, and further changes of an important nature by the 'Constitution Ordinance Amendment Act,' passed by the colonial legislature in 1872, providing for 'the introduction of the system of executive administration commonly called Responsible Government.' The Constitution formed under these various Acts vests the executive in the Governor and an Executive Council, composed of certain office holders appointed by the Crown. The legislative power rests

with a Legislative Council of 22 members elected for seven years, presided over *ex officio* by the Chief Justice ; and a House of Assembly of 76 members, elected for five years, representing the country districts and towns of the colony. The colony is divided into seven electorate provinces each electing 3 members to the Legislative Council, there being an additional one for Griqualand West. By a law passed in 1882, speeches may be made both in English and in Dutch in the Cape Parliament. The qualification for members of the Council is possession of immovable property of 2,000*l.*, or movable property worth 4,000*l.* Members of both Houses are elected by the same voters, who are now qualified by occupation of house property of the value of 75*l.*, or receipt of a salary of 50*l.* Electors, to be registered, must be able to sign their names and state in writing their occupations and addresses. The number of registered electors in 1894 was 91,877, under the registration provisions of Act No. 9 of 1892, which provides, *inter alia*, for elections by ballot after July 1, 1894. All members of Parliament are entitled to one guinea a day for their services, and those residing more than 15 miles from Cape Town to an additional 15*s.* a day for a period not exceeding 90 days.

*Governor.*—Sir Henry Brougham Loch, G.C.B., G.C.M.G. ; Governor of Victoria, 1884–89. Appointed to the Cape, 1889.

The Governor is by virtue of his office commander-in-chief of the forces within the colony. He has a salary of 5,000*l.* as Governor, besides 3,000*l.* as ‘Her Majesty’s High Commissioner,’ and 1,000*l.* personal allowance from the Imperial funds.

The administration is carried on, under the Governor, by a Ministry of six members, as follows :—

*Prime Minister.*—Right Hon. Cecil Rhodes, M.L.A.

*Colonial Secretary.*—Hon. P. H. Faure, M.L.A.

*Treasurer.*—Hon. Sir J. Gordon Sprigg, K.C.M.G., M.L.A.

*Attorney-General.*—W. P. Schreiner, C.M.G., Q.C., M.L.A.

*Commissioner of Public Works.*—Hon. John Laing, M.L.A.

*Secretary for Agriculture.*—Hon. John Frost, C.M.G., M.L.A.

Mr. Rhodes is unpaid ; each of the other Ministers receives a salary of 1,500*l.* a year.

In each division there is a Civil Commissioner, who is also generally Resident Magistrate. There is for each division a Council of at least 6 members (14 in the Cape Division) elected triennially by the registered Parliamentary voters. These Councils look after roads, boundaries, and beacons ; return 3 members to the Licensing Court, and perform other local duties. There are 77 magisterial districts and 73 fiscal divisions in the Colony proper. There are 86 Municipalities, each governed by a Mayor or Chairman and Councillors, a certain number of whom are elected annually by the ratepayers. There are also 69 Village Management Boards.

### Area and Population.

The Cape Colony was originally founded by the Dutch, under Van Riebeeck, about the year 1652. When it was taken by the English, in 1796, the colony had extended east to the Great Fish River. In 1803, at the peace of Amiens, it was given up to the Netherlands, but was again occupied by British troops in 1806. Since that time the boundary has been gradually enlarged by the annexation of surrounding districts.

The colony is divided into 73 divisions, and its dependencies into 24 districts.

At the census of 1875 the colony, as then constituted, had an area of 191,416 square miles and a population of 720,984 (236,783 Europeans). According to the report of the census of April 5, 1891, the population on the same area is 956,485 (336,938 Europeans), showing an increase of 32.66 per cent. during the 16 years, or an annual increase of 2.04 per cent. of the whole population, and an increase in the European population of 42.30 per cent. in the 16 years, or an annual increase of 2.64 per cent.

The following table gives the area and population of the colony and dependencies according to the census of 1891 :—

—	Area, Square Miles	Population in 1891			Per Square Mile
		European	Native and Coloured	Total	
Colony proper .	191,416	336,938	619,547	956,485	5.00
Griqualand West <sup>1</sup>	15,197	29,670	53,705	83,375	5.49
East Griqualand .	7,594	4,150	148,468	152,618	20.10
Tembuland .	4,122	5,179	175,236	180,415	43.77
Transkei .	2,552	1,019	152,544	153,563	60.16
Walfish Bay .	430	31	737	768	1.79
Total .	221,311	376,987	1,150,237	1,527,224	6.90

<sup>1</sup> Griqualand West is now incorporated in the Cape and constitutes 4 of the 70 divisions.

Pondoland, annexed to Cape Colony September 25, 1894, has an estimated population of 200,000.

Of the white population, 27,667 were born in England, 6,646 in Scotland, and 4,184 in Ireland, while 6,540 were German. Of the coloured population, 13,907 are Malays, and 247,806 a mixture of various races; the rest are Hottentots, Fingoes, Kafirs, and Bechuanas. Of the white 195,956 are males, and 181,031 females; and of the total population 767,327 are males and 759,897 females. The whites are distributed as follows :—

—	The Colony Proper	Griqualand West	Griqualand East	Tembuland	Transkei	Walfish Bay
Males .	174,032	16,264	2,384	2,670	592	14
Females .	162,906	13,406	1,766	2,509	427	17

The Transkeian territories are grouped under their chief magistrates, and are subject to the 'Native Territories Penal Code.'

The chief towns with their population in 1891 were:—The capital, Cape Town, 51,251 (with suburbs, 83,718); Kimberley, 28,718; Port Elizabeth, 23,266; Graham's Town 10,498; Beaconsfield 10,478; Paarl, 7,668; King William's Town, 7,226; East London, 6,924; Graaf-Reinet, 5,946; Worcester, 5,404; Uitenhage, 5,331; Cradock, 4,389.

Of the European population in 1891, 14,253 were of professional occupation, 77,118 domestic, 17,922 commercial 74,095 agricultural, 31,177 industrial, 155,333 were dependants and 7,089 indefinite or unspecified. Of the coloured population the great majority are engaged in agricultural or domestic employments.

There is no general system of registration of births and deaths in the colony, but an Act for their compulsory registration has been passed, and will take effect on January 1, 1895. At the Colonial Office 6,889 marriages were registered in 1893. The amount of aided immigration into Cape Colony is small; from 1873 to 1884 the total number of immigrants sent by the emigration agent in England was 23,337; the greatest number being in the year 1882—4,645. In 1884 it was only 292. Government immigration was stopped in 1886. The number of adult arrivals by sea in 1890 was 13,085 and departures 9,047; in 1891, 11,599 and 8,415 respectively; in 1892, 12,633 and 7,845, and in 1893, 15,617 and 7,922.

### Religion.

According to the census of 1891, there were in the Colony 732,047 Protestants, comprising 306,320 of the Dutch Reformed Church, 139,058 of the Church of England, 37,102 Presbyterians, 69,692 Independents, 106,132 Wesleyans and 5,390 other Methodists, 20,278 Lutherans, 16,297 Moravians, 14,271 Rhenish Mission, 6,954 Baptists. The Catholics numbered 17,275; Mohammedans 15,099; Jews 3,009. The number described as 'of no religion' was 753,824, of whom 528,338 were Kafirs and Bechuanas, 165,389 Fingos, 22,545 Hottentot, and 36,998 of mixed race. There were in all 1,882 places of worship. There is no State Church, but a certain sum is appropriated annually for 'religious worship' (6,823*l.* in 1894—1895) to the Dutch Reformed, Episcopalian, Presbyterian, and Roman Catholic churches; in 1875 an Act was passed for the gradual withdrawal of this grant.

### Instruction.

Education is not compulsory. Of the European population in 1891, 28·82 per cent. of the males and 28·02 per cent. of the females could neither read nor write. In 1891, according to the census results, there were in the colony 99,280 European children between the ages of 5 and 14. Of these 22,080 were taught in the government-aided schools, 17,697 in private schools, and 20,223 at home or in Sunday schools only. Between the same ages there were 316,152 native or non-European children of whom 34,133 were taught in government-aided schools, 4,561 in private schools, and 5,021 at home or in Sunday schools only. In the 1,840 aided schools in 1893, the enrolment was 121,502, with a daily attendance averaging 64,285.

Cape Colony has a University, incorporated 1873, and granted a royal charter in 1877. It is an examining body, empowered to grant degrees, but with no attached teaching institutions. There are 5 colleges aided by Government grants under the Higher Education Act, each with full staff of professors and lecturers in the departments of classics, mathematics, and physical sciences. Number of students in 1892-93, 207 matriculation; 2 M.A., and 23 Law; 109 B.A., and intermediate; 10 for survey; total 351.

Government expenditure for 1892 93, £148,836.

There were 85 public libraries in the colony in 1893, with an aggregate of 274,796 volumes. There are 80 newspapers and periodicals published in the colony.

### Justice and Crime.

The highest Court of Judicature in the colony is the Supreme Court, which consists of a Chief Justice and eight puisne judges. The judges of the Supreme Court hold sessions in Cape Town, and Circuit Courts in the Western Districts; the judges assigned to the Eastern Districts Court hold sessions in Grahamstown, and Circuit Courts in the Eastern Districts and the Transkeian Territories; and the judges assigned to the High Courts hold sessions at Kimberley. By Art. 3/90 the Supreme Court has been constituted a Court of Appeal under the Africa Order in Council of 1889. According to Act No. 2 of 1894, jurors in criminal cases may be paid.

There are numerous seats of magistracy and further periodical courts held by magistrates at outlying villages, as well as courts of special justices of the peace. Under certain conditions appeal may be made to the Queen in Council. The Roman-Dutch law forms the great bulk of the law of the colony, modified by colonial statute law.

In 1893 there were convicted before the special J. P. Courts, 2,103 prisoners; before Magistrates' Courts, 45,644; before the Supreme Courts, 1,011. The prisoners in gaol, December 31, 1893, were 2,529 males and 304 females. In 1893 the Cape Police Force numbered 961, the Municipal and ordinary Police Force, 1,024; and the Gaol Establishment, 417.

### Pauperism.

In the various charitable institutions in the colony at the end of 1893 there were 2,996 inmates. In 1893, 919 persons received indoor relief, and an average of 337 monthly received outdoor relief.

### Finance.

The income and expenditure of the colony, the former including loans, the latter including expenditure under Act of Parliament, were as follows during each of the last five years (ending June 30):—

#### REVENUE.

Year ended June 30.	Taxation	Services rendered	Colonial Estate	Fines, Stores issued, &c.	Loans	Total
	£	£	£	£	£	£
1889	1,595,458	1,885,493	311,329	43,834	502,000	4,338,114
1890	1,774,352	2,291,375	319,198	45,125	1,141,857	5,571,907
1891	1,654,583	2,098,351	348,113	42,829	1,413,143	5,557,019
1892	1,748,924	2,342,709	346,915	56,796	1,075,523	5,570,867
1893	1,836,098	2,731,873	350,588	52,655	1,474,935	6,446,149

#### EXPENDITURE.

Year ended June 30.	Public Debt	Railways	Defence	Police and Gaols	Civil Establishment	Under Loan Acts	Total, including other heads
	£	£	£	£	£	£	£
1889	1,049,496	839,794	142,633	194,893	117,931	206,467	3,621,019
1890	1,063,280	1,018,065	142,774	217,509	128,624	1,048,571	5,327,496
1891	1,221,463	1,117,953	152,430	234,264	126,831	2,130,758	6,436,007
1892	1,166,368	1,219,655	150,681	239,354	131,975	2,054,837	6,371,220
1893	1,213,204	1,474,163	149,287	266,748	132,347	1,066,627	5,734,503



The estimated expenditure (under votes) for 1894-95 is put down at 5,094,313*l.*

The colony had a public debt of 26,798,878*l.* on January 1, 1894, including 1,680,141*l.* raised for corporate bodies, harbour boards, but guaranteed in the general revenue. Nearly the whole of the loans have been spent in public works—eighteen millions sterling on railways alone. The total value of assessed property in the colony, excluding the 'Transkeian Territories,' in 1893 was returned at 37,259,069*l.*, excluding Government property.

The total revenue of the Divisional Councils in 1893 was 159,862*l.*, and expenditure 159,515*l.* The total Municipal revenue in 1893 was 495,514*l.*, and expenditure, 482,742*l.* The total debt of the Divisional Councils, December 31, 1893, was 42,922*l.*, and of the Municipalities 1,030,693*l.*

### Defence.

The whole of the Cape Peninsula, in which is the great naval station of Simon's Bay, is fortified against foreign attack by a series of forts and batteries. Here is maintained a contingent of the imperial army, the imperial military expenditure in 1893 amounting to 139,834*l.*

For the defence of the colony a military force is maintained—the Cape Mounted Riflemen, 817 officers and men. By a law passed in 1878, every able-bodied man in the colony between 18 and 50 is subject to military service beyond as well as within the colonial limits. There was besides a body of 5,269 volunteers in 1893. Probable expenditure in 1894-95 on colonial defence, 168,073*l.* The Cape Police, which consists of 40 officers and 921 men, with 762 horses, is available for defence purposes in case of emergency. On the Cape and West African station, a squadron of 15 of her Majesty's ships is maintained.

### Production and Industry.

In 1893, 1,582 titles were issued, alienating 2,602,400 acres of land. Up to Dec. 31, 1893, the total area disposed of was 100,609,606 acres, the quantity undisposed of being 41,041,025 acres. There are 537 square miles under forest.

Regarding the area under cultivation there are no recent statistics. In 1875 the total was 580,000 acres of which 18,000 acres were under vines.

In the year ending March 31, 1893, the chief agricultural produce was:—wheat, 3,890,898 bushels; oats, 1,637,120 bushels; barley, 1,023,084 bushels; mealies, 2,733,759 bushels; Kafir corn, 1,117,984 bushels; rye, 547,088 bushels; oat-hay, 237,187,626 lbs.; tobacco, 4,400,630 lbs. There were in the colony 90,533,314 vine-stocks, yielding 6,156,943 gallons of wine, 1,550,360 gallons of brandy, and 2,095,515 lbs. of raisins. There were also fruit trees (peach, apricot, orange, lemon, &c.) to the number of 3,380,000. The chief pastoral products were:—wool, 52,693,091 lbs.; mohair, 6,585,292 lbs.; ostrich feathers, 225,723 lbs.; butter, 2,900,132 lbs.; cheese, 34,379 lbs. In 1893 there were in the colony 1,969,411 head of cattle, 360,458 horses, 89,880 mules and asses, 16,793,850 sheep, 5,617,411 Angora and other goats, and 232,243 ostriches.

The sheep-farms of the colony are often of very great extent, from 3,000 to 15,000 acres and upwards: those in tillage are comparatively small. The graziers are, for the most part, proprietors of the farms which they occupy. In 1875 the total number of holdings was 16,166, comprising 83,900,000 acres; of these 10,766, comprising upwards of 60 million acres, were held on quit-rent.

At the census of 1891 there were 2,230 industrial establishments employing altogether 32,735 persons, having machinery and plant valued at 1,564,897*l.*

and annually producing articles worth 9,238,870*l.* Among these establishments were flour mills, breweries, tobacco factories, tanneries, and diamond, gold, copper, and coal mines.

### Commerce.

Of the total imports in 1893, the value of 2,033,498*l.* (including 175,151*l.* specie) was duty-free, while the value of 9,506,489*l.* was subject to duty. The customs revenue, including harbour dues, amounted to 1,425,949*l.*, or about 15 per cent. of the imports subject to duty.

The values<sup>1</sup> of the total imports and exports, including specie, of Cape Colony and dependencies, in the last five years were as follows:—

Year	Imports	Imported Merchandise	Exports	Exports of Colonial Produce
	£	£	£	£
1889	10,841,454	7,942,506	9,507,663	9,083,718
1890	10,106,466	8,470,550	9,970,370	9,653,982
1891	8,582,776	7,518,437	11,131,024	10,934,974
1892	9,571,670	8,691,017	12,206,493	11,774,556
1893	11,539,987	10,760,556	13,156,589	12,765,770

<sup>1</sup> All import values are determined from importers' declarations, checked by invoices and bills of charges and by examination of the goods, if necessary. They represent current values at the places of export, including packing and transport charges to the ports of shipment, plus 5 per cent. Export values are determined from exporters' declarations on their bills of entry, subject to such check as may be necessary. They represent the market values at the ports of shipment, including charges for packing. Quantities both of imports and exports are ascertained from bills of entry, subject to such checks as comparison with invoices, &c., and examination of the goods. The origin of imports and destination of exports are shown by the bills of lading, and are respectively the country where the goods were placed on board ship for export to the colony, and the country to which shipment is made. There is no distinction between general, special, and transit trade. All goods entered inwards at the customs are treated as imports into the colony, and all goods shipped from any port in the colony to any country are treated as exports to that country.

The following table shows the value of the leading exports of Colonial produce in the last five years according to the official Cape Returns:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Wool . . .	2,251,375	2,196,040	2,264,498	2,029,093	1,855,076
Ostrich feathers	365,884	563,948	468,221	517,009	461,552
Hides (ox and cow) & skins (sheep & goat)	434,298	443,103	489,929	478,379	497,109
Copper ore . .	323,385	326,757	254,184	253,681	202,316
Hair (Angora).	351,544	337,239	355,426	373,810	527,619
Wine . . .	23,120	19,537	20,183	18,645	18,964
Grain, &c. . .	15,012	17,934	14,094	8,671	7,712
Diamonds . . .	4,325,137	4,162,010	4,174,208	3,906,992	3,821,443

The total value (partly estimated) of diamonds exported from 1867 to 1893 was 66,421,630*l.*

The principal imports are textile fabrics, dress, &c., 3,752,910*l.*; and food, drinks, &c., 2,139,227*l.* in 1893.

The trade of the Cape (excluding specie) was distributed as follows during the last four years:—

—		1890	1891	1892	1893
		£	£	£	£
United Kingdom	Imports from	7,825,266	7,020,493	7,691,195	9,203,317
	Exports to .	9,348,861	10,579,417	11,474,561	12,401,227
British Possessions	Imports from	636,430	641,599	683,277	667,475
	Exports to .	82,767	113,715	89,510	62,865
Foreign Countries	Imports from	904,750	910,674	1,112,769	1,494,044
	Exports to .	406,168	423,099	413,996	492,462

The value of the imports (of merchandise) and exports (colonial), excluding diamonds sent through by post office, at the leading ports has been as follows :—

—		Cape Town	Port Nolloth	Port Elizabeth	East London	Mossel Bay
		£	£	£	£	£
1891	Imports .	2,699,983	38,824	3,318,593	1,231,314	168,450
	Exports .	3,046,641	254,214	2,103,348	911,733	50,729
1892	Imports .	2,835,458	27,781	4,077,068	1,546,172	146,418
	Exports .	4,445,618	253,589	1,976,759	825,734	54,310
1893	Imports .	3,092,546	9,847	5,162,753	2,245,574	196,607
	Exports .	5,413,830	202,444	1,908,241	783,993	71,613

The value of the trade (excluding diamonds and specie) with the United Kingdom, during five years is returned by the Board of Trade as follows :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from Colony .	5,155,680	4,970,572	5,071,000	4,595,324	4,799,748
Exports of British produce to Colony	5,888,145	6,290,963	5,677,459	6,016,456	7,232,341

In the last five years the imports of wool—sheep and goats'—into the United Kingdom from Cape Colony were as follows :—

—	1889	1890	1891	1892	1893
	lbs.	lbs.	lbs.	lbs.	lbs.
Quantities	78,737,162	72,832,937	81,669,265	72,049,724	74,858,363
Value .	£ 3,514,031	£ 3,198,879	£ 3,406,905	£ 2,959,213	£ 3,105,517

Among the minor imports into Great Britain from the colony in 1893 were copper ore, of the value of 227,596*l.* ; feathers, chiefly ostrich, of the value of 466,871*l.* ; and skins and hides, of the value of 829,957*l.* The exports of British produce to the colony comprised mainly apparel and haberdashery, of the value of 1,293,055*l.* ; cotton manufactures, of the value of 722,156*l.* ; iron, wrought and unwrought, of the value of 818,723*l.*, and leather and saddlery, 519,651*l.* ; machinery and mill work, 564,545*l.*

### Shipping and Navigation.

The number of vessels which entered inwards in 1893 was 770, of 1,602,243 tons (552, of 1,455,499 tons British), and coastwise 1,383, of 2,813,805 tons; the number cleared outwards was 741, of 1,540,002 tons (532 of 1,401,554 tons British), and coastwise 1,387, of 2,836,389 tons. Belonging to the ports of Cape Town, Port Elizabeth, and East London, on January 1, 1894, were 28 vessels of 3,602 tons.

Total registered shipping of colony:—

	No.	Tons.
Steamers . . . . .	19	2,484
Sailing . . . . .	9	1,118
Total . . . . .	28	3,602

### Internal Communications.

There are over 8,000 miles of road in the colony proper. There were lines of Government railway of a total length of 2,253 miles in the colony in Dec. 1893. In 1873 there were 63 miles; in 1880, 882 miles; 1883, 1,089 miles; 1884, 1,344 miles. There are also 188 miles of private railways in the colony, and 17½ of private tramways in Cape Town, Port Elizabeth, and Kimberley. The Government lines open for traffic at this date belonged to three systems—the Western, from Cape Town; the Midland, starting from Port Elizabeth; and the Eastern system, from East London. All the three systems are now connected. The Northern system extends through the Orange Free State into the South African Republic. The capital expended on Government railways to the end of 1893 has been 19,832,619*l.*, showing a cost per mile of 8,803*l.* The gross earnings in 1893 were 2,559,542*l.*, and expenses 1,510,946*l.* The number of passengers conveyed in 1893 was 5,335,381, and tonnage of goods, 872,466 (of 2,000 lbs.).

The number of postal receptacles in the colony at the end of 1893 was 1,013; the revenue in 1893 amounting to 286,256*l.*, and the expenditure on whole postal telegraph service to 302,314*l.* The total number of letters posted in 1893 was 15,976,336, newspapers 7,481,280, post cards 474,000, books and sample packets 1,502,640, parcels 357,448.

The telegraphs in the colony comprised 5,602 miles of line, with 320 offices, at the end of 1893. The number of messages sent was 1,538,725 in 1893. The telegraphs were constructed at the expense of the Government, 781 miles of line having been taken over from the company in 1873. The revenue in 1893 was 68,191*l.* (exclusive of 94,308*l.*, the value of Government messages), and expenditure 84,990*l.*

### Banks.

The following are the statistics of the banks under trust laws in the colony:

31st Dec.	Including Head Offices			Circulation. Colony only	Assets and Liabilities. Colony only
	Capital	Paid-up	Reserve		
1889	£ 6,583,700	£ 1,762,964	£ 804,531	£ 1,034,849	£ 11,992,205
1890	5,780,610	1,558,612	850,489	740,210	9,221,661
1891	5,394,370	1,550,570	709,064	489,609	8,130,794
1892	5,373,090	1,555,960	725,000	589,853	10,705,593
1893	5,362,090	1,555,953	770,000	615,320	9,668,086

### Money, Weights, and Measures.

The coins in circulation within the colony are exclusively British. All accounts are kept in pounds, shillings, and pence.

The standard weights and measures are British, with the exception of the land measure.

The general surface measure is the old Amsterdam *Morgen*, reckoned equal to 2·11654 acres. Some difference of opinion existed formerly as to the exact equivalents of the shortest land measure, the foot, but it was in 1858 officially settled that 1,000 Cape feet were equal to 1,033 British imperial feet.

*Agent-General of Cape Colony in Great Britain.*—Sir Charles Mills, K.C.M.G., C.B., appointed in 1882.

*Secretary.*—Spencer Brydges Todd, C.M.G.

### Statistical and other Books of Reference concerning the Cape Colony.

#### 1. OFFICIAL PUBLICATIONS.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the Year 1893. Imp. 4. London, 1894.

Blue-book on Native Affairs, 1893. Cape Town, 1894.

The various Blue-books and Correspondence relating to the Cape and South Africa generally, published at intervals by the Home Government.

Cape of Good Hope Statistical Register for 1893. Cape Town, 1894.

The Cape of Good Hope Civil Service List, edited by E. F. Kilpin. Cape Town, 1895.

Results of Census of the Colony of the Cape of Good Hope, 1891. Report of Director. Cape Town, 1892.

Colonial Office List. London, 1895.

Financial Statement for 1894-95. Cape Town, 1894.

Illustrated Official Handbook. History, Productions, and Resources of the Cape of Good Hope and South Africa. By J. Noble. London and Cape Town, 1893.

Reports of the various Government Departments for 1893. Cape Town, 1894.

Statistical Abstract for the several Colonies and other Possessions of the United Kingdom. 8. London, 1894.

#### 2. NON-OFFICIAL PUBLICATIONS.

*Anderson (C. J.)*, Notes of Travel in South Africa. Edited by L. Lloyd. 8. London, 1875.

Argus Annual and South African Directory for 1895. Cape Town, 1894.

*Chalmers (R.)*, A History of Currency in the British Colonies. London, 1893.

*Chase (Hon. John Centlivres) and Witmot (A.)*, History of the Colony of the Cape of Good Hope. 8. London, 1870.

*Chesson (F. W.)*, The Dutch Republics of South Africa. 8. London, 1871.

*Fritsch (Dr. Gust.)*, Die Eingeborenen Süd-Afrika's ethnographisch und anatomisch beschrieben. 4. Breslau, 1872.

*Froude (J. A.)*, Oceana. London, 1886.

*Greswell (W.)*, Our South African Empire. 2 vols. London, 1885.

*Holub (Dr. Emil)*, Seven Years in South Africa. London, 1881.

*Johnston (Keith)*, Africa. London, 1878.

*Mackenzie (John)*, Austral Africa; Losing it or Ruling it. 2 vols. London, 1887.

*Martineau (John)*, Life of Sir Bartle Frere. 2 vols. London, 1895.

*Noble (John)*, The Cape and South Africa. Cape Town, 1878.

*Rees (W. L.)*, Life of Sir George Grey, K.C.B. 2 vols. 8. London, 1893.

*Reunert (Th.)*, Diamonds and Gold in South Africa. 8. London, 1893.

*Silver (S. W.)*, Handbook to South Africa, including the Cape Colony, Natal, the Diamond Fields, &c. 8. London, 1880.

*Statham (F. R.)*, Blacks, Boers, and British. London, 1881.

*Theal (G. M.)*, History of South Africa 1486-1872. 5 vols. 8. London, 1888-93.

*Trollope (Anthony)*, South Africa. 2 vols. 8. London, 1878.

### CENTRAL AFRICA (BRITISH).

THE boundaries of the British sphere of influence north of the Zambezi, called British Central Africa, are thus defined by the Anglo-Portuguese Agreement:—

On the east by a line starting from the eastern shore of Lake Nyasa at the point of the parallel of the confluence of the Rivers Rovuma and M'Sinje, following the shore southwards as far as the parallel of latitude 13° 30' south,

whence it runs in a south-easterly direction to the eastern shore of Lake Chiuta, which it follows; thence it runs in a direct line to the eastern shore of Lake Kilwa or Chilwa, which it follows to its south-easternmost point; thence in a direct line to the easternmost affluent of the River Ruo, and thence follows that affluent, and subsequently the centre of the channel of the Ruo to its confluence with the River Shiré.

From the confluence of the Ruo and Shiré the boundary will follow the centre of the channel of the latter river to a point just below Chiwanga; thence it runs due westward until it reaches the watershed between the Zambezi and the Shiré, and follows the watershed between those rivers, and afterwards between the former river and Lake Nyasa, until it reaches parallel 14° of south latitude. From thence it runs in a south-westerly direction to the point where south latitude 15° meets the River Aruangwa or Luangwa, and follows the mid-channel of that river to its junction with the Zambezi.

On the west by a line following the centre of the channel of the Upper Zambezi, starting from the Katima Rapids up to the point where it reaches the territory of the Barotse kingdom. That territory to remain within the British sphere; its limits to the westward, which will constitute the boundary between the British and Portuguese spheres of influence, to be decided by a joint Anglo-Portuguese Commission.

In the early part of 1891, Her Majesty's Government extended the field of operations of the Charter of the British South Africa Company, so as to include the whole of the British sphere north of the Zambezi, except Nyasaland, under which name are included certain districts in the Lake Nyasa region where British missionaries had been settled for over fifteen years and the African Lakes Company had been at work for the same period, and which in 1889 were declared to be within the British sphere of influence. On the 14th of May, 1891, these districts were proclaimed a protectorate of Great Britain under the name of the British Central Africa protectorate. The protectorate is administered under the Foreign Office by H.M. Commissioner, whose administrative authority practically extends over the whole sphere of influence beyond, which is administered by the British South Africa Chartered Company. The cost of administering the Protectorate is borne by the Imperial Government and the British South Africa Company. The contributions of the Company amounted in 1891 to £15,000, in 1892 to £10,000, in 1893 (including a special grant of £10,000) to £27,000. The Company is liable to contribute £5,000 a year additional when the Administration of the Barotse country is undertaken.

The total area of British Central Africa is officially stated to be about 500,000 square miles. The European population is over 300, of whom all but 27 are British subjects. In the lower region a few Indian traders have begun to settle, while on or near Lakes Nyasa and Tanganyika are about 26 Arabs, dwelling as chiefs, recognised by the British Government, or as merchants of good repute. The total native population is about 3,000,000. Large portions of territory are uninhabited owing to the former slave raids of the Arabs and black Portuguese. The Barotse country on the east side of the Upper Zambezi is thickly populated, but, with this exception, the native population is congregated chiefly in that portion of the territory which is more or less under British administration.

The chief town of British Central Africa is Blantyre, in the Shiré Highlands, with a population of about 100 Europeans and 6,000 natives. In the same region, or on the Shiré river, are Zomba (the seat of the Administration), Chiromo, Port Herald, Chikwawa, Katunga, Fort Anderson, Fort Lister, Mpimbi, Liwonde, Fort Sharpe, and other settlements; on Lake Nyasa are Fort Johnston, Fort Maguire, Livingstonia, Rifu, Kotakota, Bandawe, Likoma, Deep Bay, and Karonga; while other settlements have been, or are being,

formed in the Tanganyika district, on Lake Mweru, and on the Upper Luapula river near Bangweolo.

The British Central Africa Protectorate, lying round the shores of Lake Nyasa and extending towards the Zambezi, is now governed very much after the manner of a Crown colony. It is divided into twelve districts, in each of which are two or more officials of the British Central Africa Administration. There are sixteen post-offices and thirteen customs-houses. The Shiré province contains most of the European population of the Protectorate. Good roads are being made in all directions, and life and property are safe. Seven missionary societies are at work. The climate, though not salubrious for European settlers in general, is healthier than the greater part of tropical Africa. Within the Shiré province coffee planting has been greatly extended within the last few years. On Lake Nyasa the chief trade is in ivory, probably one-fourth of the ivory exported from Africa being from the Nyasa district. Other articles of export are india-rubber, oil-seeds, rhinoceros horns, hippopotamus teeth, *Strophanthus* seed, bees'-wax and rice. Rice is grown to perfection, and the cultivation of wheat, recently introduced, promises to be successful. Oats and barley thrive on the uplands, where Merino sheep and Natal ponies seem also likely to prosper. The trade for the year ended March 31st, 1894, was: Imports, £42,000; exports, £37,000. The chief imports were cotton goods, machinery, provisions, hardware and agricultural implements.

The sphere beyond the Protectorate which is placed under the British South Africa Company's Administration contains: Chambezi, Tanganyika, Mweru, and Luapula. The chief towns are: Fife, Abercorn, Niamkolo, Sumba, Rhodesia, and Fort Rosebery.

The armed force necessary to maintain order and to check the slave trade consists of a corps of 200 Sikhs from the Indian Army, with from 200 to 300 black police, recruited locally, and on the East Coast of Africa. This force has English officers and Sikh non-commissioned officers. An armament of artillery, with mountain guns, has been supplied by the Imperial Government. There is also a naval force on the rivers Zambezi and Shiré and on Lake Nyasa, consisting of the five gunboats, *Herald*, *Mosquito*, *Dove*, *Adventure*, and *Pioneer*, with English officers and seamen. There are five naval stations at intervals from Chinde at the mouth of the Zambezi, to Deep Bay on the north-west coast of Lake Nyasa.

Communication with the coast is by H.M. gunboats and by the river steamers of the African Lakes Company, Sharrer's Zambezi Traffic Company, and the African International Flotilla Company. These vessels meet at Chinde the ocean-going steamers of various British, German, and Portuguese Companies. Chinde is situated on the only navigable mouth of the Zambezi, and at this port the Portuguese Government has granted a small piece of land, called the "British Concession," where goods in transit for British Central Africa may be landed and re-shipped free of customs duty.

*H.M. Commissioner and Consul-General.*—H. H. Johnston, C.B., who is also Representative of the British South Africa Company.

#### REFERENCES.

- Foreign Office Reports on British Central Africa, and Annual Report of the British South Africa Company.  
*Bryden* (H. A.), Gun and Camera in Southern Africa. 8. London, 1893.  
*Buchanan* (J.), The Industrial Development of Nyasaland. *Geographical Journal*, Vol. I., 1893.  
*Fotheringham* (L. M.), Adventures in Nyassaland. 8. London, 1891.  
*More* (E. C.), Tanganyika: Eleven Years in Central Africa. 2nd ed. 8. London, 1892.  
*Johnston* (H. H.), British Central Africa. *Geographical Journal*, March, 1895.  
*Keltie* (J. Scott), The Partition of Africa. 2nd edition. London, 1895.  
*Rankin* (D. J.), The Zambezi Basin and Nyasaland. 8. London, 1893.  
*Selater* (Lieut. B. L.), Routes in Nyasaland. *Geographical Journal*, Vol. II., 1893.  
*White* (A. Silva), The Development of Africa. London, 1890.

**EAST AFRICA, BRITISH (I.B.E.A.).**

The strip of the Zanzibar coast extending from the northern limit of German influence on the right bank of the Umbe to the Ozi River, including Kau and Kipini, was in 1888 ceded by the Sultan for fifty years to the Imperial British East Africa Company, the initials of which form the name *Ibea*, used to designate the territory. By a second concession, granted in 1889, the Sultan ceded to the Company all his towns and possessions north of Kipini, all the islands on the coast and in Manda Bay, and the ports of Kismayu, Brava, Merka, Magadisho, Warsheik, and Maroti.

The Sultan (1891) granted all his territory from the Umbe to the Juba, including the port of Kismayu, to the British East Africa Company in perpetuity, for an annual payment of 80,000 dollars. The total length of coast subject to the Company is about 400 miles. In consequence of the Anglo-Italian Agreement of 1891, the concession of the ports north of Kismayu was given up by the Company, Italy and the Sultan being left free to deal with each other in regard to them as they think fit.

By the Anglo-German Agreements of November 1, 1886, and July 1, 1890, the southern boundary of British East Africa extends in a north-west direction from the north bank of the mouth of the River Umbe, going round by the north of Kilimanjaro, to where the 1st parallel of N. latitude reaches Lake Victoria. Thence across the lake and westwards on the same parallel to the boundary of the Congo Free State. To the north, the British sphere is bounded by the River Juba; it ascends that river to 6° N. latitude, following that parallel as far as 35° E. longitude, this meridian forming the boundary between the British and Italian spheres of influence up to the Blue Nile, and is continuous with the sphere of Italian influence in Gallaland and Abyssinia as far as the confines of Egypt. To the west it is bounded by the Congo Free State viz. 30° E. longitude which forms the boundary up to the N. limit of that state (4° N. latitude). North of this parallel of latitude the British sphere has at present no western delimitation and debouches on the independent Mohammedan states of that region. British East Africa includes Witu and the territory formerly claimed by Germany on the coast to the north (ceded by Germany in 1890), and the islands of Patta and Manda. It includes Uganda, Usoga, Unyoro, Ankori, Mpororo, Koki, part of Ruanda, the Equatorial Province (Emin Pasha's), part of Kordofan and Darfur, and a large part of Somaliland. The total area thus embraced probably extends to over 1,000,000 square miles. Treaties have been made with the native chiefs between the coast and the lake, and also with the King of Uganda and chiefs on the west side of the lake, to beyond the Semliki River, and quite recently with the Somali tribes occupying the interior between the Juba and Tana, whereby commercial access to the Galla country is for the first time opened.

The Company holds a royal charter, dated September 3, 1888. It had occupied the country as far as Uganda, and between that and Lake Albert Edward and the River Semliki. By arrangement with the Government the Company retired from Uganda at the end of March 1893, and on June 19, 1894, a British Protectorate was declared over Uganda proper. The Company's capital is 2,000,000*l.* sterling, of which 1,000,000*l.* was offered to the public.

On July 31, 1893, the Company withdrew from the administration of Witu, of which (being a British Protectorate) they had assumed control as the responsible delegates of her Majesty, distinct from their tenure of administration derived from the Sultan. Thereupon the Protectorate was temporarily placed under the administration of the Sultan, and under Mohammedan law.

The chief ports are Wanga, Mombasa, Malindi, Mambui, Lamu, and Kismayu.



The customs revenue in 1891 amounted to 211,872 rupees; in 1892 to 239,812 rupees; and in 1893 to 261,554 rupees. In 1891 the imports were valued at 1,545,640 rupees; exports, 1,044,603 rupees; in 1892, imports, 2,083,209 rupees; exports, 1,030,173 rupees; and in 1893, imports, 1,807,208 rupees; exports, 1,287,399 rupees. Shipping entered, 1893, 100,602 tons; cleared, 100,388 tons.

On June 30, 1892, the Sultan of Zanzibar withdrew his reserves under the Berlin Act, thereby placing all his dominions within the Free Zone. Zanzibar itself was declared a free port in February 1892. At the mainland ports and inland frontiers 5 per cent. import duty is levied under the Brussels Act.

The principal exports are sesame seed, ivory, india-rubber, gum, copra, coir, orchella weed, hides, &c. The imports are Manchester goods, Bombay cloth, iron and copper wire, beads, &c. Trade is at present principally in the hands of East Indian merchants (Banians).

The fine harbour of Mombasa has been much improved by the construction of piers and jetties, beacons, and mooring buoys. A new town is being built at Mombasa, and the appearance of the place has been greatly improved.

The Eastern Telegraph Company has recently connected Mombasa by submarine cable with Zanzibar, and the East Africa Company has constructed a telegraph line connecting the Company's coast ports with Mombasa. This line is now completed to Lamu *via* Golbanti (Tana River) and Witu. A survey has been made for the construction of a line of railway over 657 miles long from the coast at Mombasa to Victoria Nyanza.

A good road has been constructed to connect Mombasa with Kibwezi (nearly 200 miles inland), where the East African Scottish Mission is working successfully towards the industrial education of the natives.

The country has been peaceably opened up by exploring caravans carrying trade goods. The most advanced permanent posts occupied by Europeans are situated at Machakos and Kikuyu, 250 to 300 miles inland, on a healthy salubrious plateau, at an elevation of 7,000 feet. At Mumia's, in Kavirondo, north-east of the Victoria Nyanza, the Company has a station. Mengo is the capital of the kingdom of Uganda, and there is a line of forts, established by Captain Lugard, on the western frontier of Unyoro, from the Albert Nyanza to the Albert Edward Nyanza. The River Tana has been navigated by the Company's stern-wheel steamer 'Kenia' for a distance of 300 miles, as far as Baza, and the Juba, by the same steamer, as far as Bardera, about 400 miles from the mouth of the river.

The seat of government is at Mombasa. The acting administrator of the Government is J. R. W. Pigott, Esq.

## REFERENCES.

- Blue-books of 1891, 1892, 1893.  
*Clarke* (R. F.), Cardinal Lavigerie and the African Slave Trade. 1889.  
 Handbook of E. Africa. Intelligence Department, War Office, 1894.  
*Hohnel* (Lieut. von), Discovery of Lakes Rudolf, &c. 2 vols. London, 1893.  
*Johnston* (H. H.), The Kilima-Njaro Expedition. 8. London, 1886.  
*Keltie* (J. Scott), The Partition of Africa. 2nd ed. London, 1895.  
*Lugard* (Capt. F. D.), 'The Rise of Our East African Empire'; Early Efforts in Nyasa-land and Uganda. 2 vols. London, 1893.  
*M'Dermott* (P. L.), 'British East Africa.' (A history of the Company). 8. London, 1893.  
*Portal* (Sir G.), The British Mission to Uganda in 1893. 8. London, 1894.  
*Reclus*, Universal Geography, English Edition, vols. x. and xii.  
*Thomson* (J.), Masailand.  
*White* (A. Silva), The Development of Africa. London, 1890.  
 The Annual Reports of the Company.  
 Travels of Speke and Grant, Sir Samuel Baker and Stanley.

**Gambia, Gold Coast, Lagos.** See WEST AFRICAN COLONIES.  
**Matabeleland.** See SOUTH AFRICA (BRITISH).

**MAURITIUS.****Constitution and Government.**

The government of the British Colony of Mauritius, with its dependencies, Rodrigues, Diego Garcia, and the Seychelles Islands, is vested in a Governor, aided by an Executive Council, of which the officer in command of Her Majesty's troops, the Colonial Secretary, the Procureur-General, the Receiver-General, and the Auditor-General, and two elected members of the Council of Government are ex-officio members. There is also a Council of Government, consisting of the Governor and twenty-seven members, ten being elected, eight ex-officio, and nine nominated by the Governor. The official councillors comprise the five Executive members, the Collector of Customs, the Protector of Immigrants, and the Surveyor-General. The constitution was altered by letters patent dated September 16, 1885, which introduced an elective element into the Legislature. Under a moderate franchise ten members are now elected, one for each of the following districts:—Moka, Plaines Wilhems, Grand Port, Flacq, Savanne, Rivière Noire, Pamplemousses, Rivière du Rempart; and two for Port Louis.

*Governor of Mauritius.*—Sir Hubert Edward Henry Jerningham, K. C. M. G., Colonial Secretary British Honduras, 1887; Colonial Secretary Mauritius, 1889; Governor of Mauritius 1893. The Governor has a salary of 50,000 rupees, and the Colonial Secretary 13,500 rupees per annum.

**Area and Population.**

The island of Mauritius, lying in the Indian Ocean, 500 miles east of Madagascar, comprises an area of 705 English square miles.

The Seychelles group, Rodrigues, and the Chagos Islands are the principal dependencies of Mauritius. Total area of dependencies, 172 square miles. Mahé, the most important of the Seychelles group, is situated at a distance of 940 miles from Mauritius.

The following were the numbers of the population of Mauritius, according to the census taken in 1891:—

	Male	Female	Total
Total of resident population . . .	206,038	164,550	370,588
Military in Port Louis and elsewhere . . .	721	—	721
Crews of mercantile shipping . . .	344	2	346
Total of population . . .	207,103	164,552	371,655

Over two thirds of the population are Indian, and the remainder consists of natives of African race, Chinese, mixed races, and whites. No official figures exist as to the numerical proportions of these different groups of the general population, except as to the Chinese, the number of whom was estimated at 3,926 on January 1, 1894. The birth-rate of 1893 was 35·3 per 1,000, and death-rate 56·5. The total number of immigrants, including women and children, who landed in the colony in 1893 was 332, and departures, 1,654. The capital of the colony, Port Louis, had, with its suburbs, an estimated population of 58,669 in 1893.

According to the census of 1891 the returns as to the religions showed that there were then 209,079 Hindoos, 115,438 Roman Catholics, 34,763 Mahometans, and 7,307 Protestants. State aid is granted to both Churches, the Roman Catholics receiving 102,556 rupees in 1893, and the Protestants 41,038 rupees; the Indians are mostly Hindoos.

Primary education is conducted partly in government, and partly in State-

aided schools, 171 in 1893. The total government expenditure on education in 1893, including the Royal College, was 476,089·24 rupees. In 1893 the average number of pupils on the roll in primary schools was 16,659, and the average attendance 10,177. At the Royal College in 1893 the attendance was 201, and at the Royal College schools, 296.

The total number of convictions at the inferior courts in 1893 was 17,890 and at the Supreme Court, 67.

### Finance, Defence.

The revenue and expenditure of the colony for five years were :—

—	1889	1890	1891	1892	1893
	Rupees	Rupees	Rupees	Rupees	Rupees
Revenue . . .	8,744,802	7,774,774	7,595,651	7,473,029	8,103,922
Expenditure . .	8,558,332	7,705,311	8,192,265	8,024,484	7,872,096

The principal sources of revenue were :—

—	1889	1890	1891	1892	1893
	Rupees	Rupees	Rupees	Rupees	Rupees
Customs dues . . .	2,412,876	2,670,420	2,424,425	2,611,280	2,808,085
Licences and permits	2,140,176	2,142,917	2,268,143	2,453,423	2,421,454
Railway traffic . .	1,801,213	1,575,888	1,597,321	1,490,642	1,585,729

The whole debenture debt of the colony in 1893 was :—Government Debenture Debt, 1,369,149*l.* ; Poor Law Commission, 3,000*l.*

The municipal debt of Port Louis was 162,200*l.*

The harbour of Port Louis is defended by Fort Adelaide and Fort George. The troops in the colony at the beginning of 1894 numbered 834 (40 officers and 794 men). The total military expenditure for 1893 was 54,997*l.*, of which 14,701*l.* was paid by the colony.

### Commerce.

The declared value<sup>1</sup> of the total imports and exports<sup>2</sup> of the colony (exclusive of specie and bullion) was as follows in each of the last five years :—

Year	Total Imports	Total Exports
	Rupees	Rupees
1889	15,612,056	32,806,315
1890	16,375,377	26,962,930
1891	16,433,133	23,705,288
1892	15,746,116	18,093,181
1893	18,899,939	22,176,486

<sup>1</sup> The values of imports are determined by the declarations of importers and the quantities by the bills of entry, both being verified by Customs officials. The countries where the goods are shipped are taken as the countries of origin, unless the goods themselves or the bills of lading and invoices show a different origin, in which case the country so disclosed is declared in the bill of entry. The transit trade, which is very limited, has hitherto been included in the returns of exports from bond, but for 1894 a distinction will be made. Exports, the produce of the colony, are distinguished from those not of local origin. The accuracy of the statistical results is affected by the fact that there is no real control over the valuation of exports. The exporters declare the values, but are not compelled to produce invoices. This is being remedied by the compilation of average values from returns supplied by the Chamber of Commerce and sugar estate companies of the colony. The average of charges added to the original cost of imports has also been found to be inaccurate, and a Committee on Trade Statistics is preparing a schedule of charges, which will probably be applied to the returns of 1894.

Of the imports the value of 18,683,945 rupees was subject to duty, and 2,704,246 rupees (including specie) was duty free. Imports from United Kingdom, 3,349,075 rupees; exports to United Kingdom, 2,304,925 rupees.

The exports from the colony comprise, as staple article, unrefined sugar, 19,409,218 rupees in 1893; rum, 332,441 rupees; vanilla, 83,895 rupees; aloe fibre, 264,840 rupees; oil, coco-nut, 251,198 rupees. A large portion of the trade is with the British colonies of South Africa, Australia, and India.

The commercial intercourse of Mauritius with the United Kingdom is shown in the subjoined table, according to the Board of Trade Returns, for each of the last five years:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Mauritius into U. K.	421,537	264,900	268,066	230,127	250,497
Exports of British Produce to Mauritius . . . . .	300,698	320,326	256,595	270,087	305,127

The staple article of import from Mauritius into the United Kingdom is unrefined sugar, the value being 157,687*l.* in 1890; 135,845*l.* in 1891; 150,214*l.* in 1892; 166,792*l.* in 1893. The other imports comprise drugs of the value of 23,141*l.*; hemp and other fibres, 32,745*l.*; caoutchouc, 10,774*l.* The British exports to Mauritius in 1893 consisted principally of cotton goods, value 57,158*l.*; coal, 22,367*l.*; machinery, 15,182*l.*; iron, 34,799*l.*; manure, 31,411*l.*; apparel and haberdashery, 11,335*l.*; beer and ale, 10,154*l.*

### Shipping and Communications.

The registered shipping in 1893 consisted of 58 sailing vessels of 4,729 tons (net), and 4 steamers of 131 tons; total, 62 vessels of 4,860 tons.

The number of vessels entered in 1893 was 193 of 110,290 tons, and cleared 199 of 105,050 tons.

The colony has two lines of railways with two branches, of a total length of 104 miles, the revenue from which in 1893 was 1,585,729 rupees, and expenditure 1,010,565 rupees.

There exists a complete system of telegraphs throughout the island of Mauritius, and a telegraph cable from Zanzibar to the Seychelles and thence to Mauritius. The number of letters, postcards, and newspapers which passed through the post office in 1893 was 2,478,013.

### Money, Weights, and Measures.

The standard coin of Mauritius is the Indian rupee, with its subdivisions. All accounts are kept in rupees.

The metric system decreed by the Government of India in 1871 came into force in Mauritius on May 1, 1878.

### Dependencies.

SEYCHELLES.—Population, according to census of 1891, 16,440 (8,302 males, 8,138 females). Revenue 1893, 232,000 rupees; expenditure, 219,898 rupees; imports, 610,325 rupees; exports, 798,698 rupees. Principal exports: coco-nut oil, soap, vanilla, tortoiseshell. Ships entered 1891, 79, including 19 men-of-war. There are 27 Government schools, with 2,056 pupils. Grants in aid 8,000 rupees. *Administrator*: T. Riseley Griffith, C.M.G.

RODRIGUES (under a Magistrate).—18 miles long, 7 broad. Population, census 1891) 2,068 (1,154 males, 914 females); revenue, 1893, 5,131 rupees; expenditure, 22,600 rupees; imports (1893), 107,002 rupees; exports, 94,972 rupees.

Other dependencies are the St. Brandon or Cargados Islands, between 16° 50' and 16° 20' S. lat., and 56° 26' and 59° 41' E. long., mostly sand-banks; the Oil Islands, including the Chagos Islands, the Trois Frères, or Eagle Islands, and the Cosmoledo Islands, between 6° 40' and 9° 40' S. lat., and 72° 22' and 47° 48' E. long. There are besides the detached islands of Assumption, Aldabra, and Glorioso, none of them permanently uninhabited.

Diego Garcia, the largest of the Chagos group, in 7° S. lat., 72°–73° E. long., is 12½ miles long, 6¼ miles wide, with 700 inhabitants, a large proportion negro labourers from Mauritius. 50,000 gallons of coco-nut oil exported annually.

### Statistical and other Books of Reference concerning Mauritius.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the Year 1893. Imp. 4. London, 1894.

Colonial Office List. 1894.

Reports on Mauritius, and on Seychelles, Rodrigues, and Aldabra, in Colonial Reports for 1893. London, 1894.

Statistical Abstract for the several colonial and other possessions of the United Kingdom. London, 1894.

Mauritius Blue Book for 1893.

*Chalmers* (R.), A History of Currency in the British Colonies. London, 1893.

*Decotter* (N.) Géographie de Maurice et de ses Dépendances. Mauritius, 1891.

*Epinay* (Adrien d'), Renseignements pour servir à l'histoire de l'Île de France jusqu'à l'année 1816 inclusivement. Mauritius, 1890.

*Fleming* (M.), Mauritius, or the Isle of France. S. London, 1862.

*Martin* (R. Montgomery), The British Possessions in Africa. Vol. iv. History of the British Colonies. S. London, 1834.

The Mauritius Almanac for 1895. Mauritius, 1894.

The Mauritius Civil List for 1894. Mauritius, 1894.

*Unieville* (Le Baron d'), Statistique de l'Île Maurice et ses dépendances. Mauritius, 1886.

## NATAL.

### Constitution and Government.

The colony of Natal, formerly an integral part of the Cape of Good Hope settlement, was erected in 1856 into a separate colony under the British Crown, represented first by a Lieutenant-Governor, and since 1882 by a Governor. A charter of constitution was granted in 1856, and modified in 1875 and 1879; the charter now in force was granted in 1893.

By the Constitution Act (Law No. 14, 1893), which came into force July 20, 1893, the legislative authority resides in the Queen, a Legislative Council, and a Legislative Assembly. Her Majesty is represented by the Governor, whose assent (revocable within two years, in manner prescribed) is required to all bills before they become law. The Governor appoints the ministers, and with their advice, the members of the Legislative Council.<sup>1</sup> He issues writs for general election of members of the Legislative Assembly, fixes the place and time of the sessions of the legislative bodies, and may prorogue or dissolve the Assembly. He may also, by message, transmit the draft of any bill to be introduced in either house. The Legislative Council consists of eleven members, each of whom must be at least

<sup>1</sup> The first Legislative Council was nominated solely by the Governor.

thirty years of age, must have resided ten years in the colony, and must be registered proprietor of real property of the net value of 500*l.* Members hold their seats for ten years, provision being made for the withdrawal of five at the end of the first five years. The President is appointed by the Governor. The Legislative Assembly consists of thirty-seven members chosen by the electors. Each Legislative Assembly continues for four years, unless sooner dissolved. It meets annually or oftener, appoints its Speaker, and adopts (with the approval of the Governor) its own standing rules and orders. Money bills must originate in the Assembly, and the Legislative Council may accept or reject but not alter them. No money bill, however, for any purpose not first recommended to the Assembly by message of the Governor can be passed in the session in which it is proposed. No person can be a member of the Assembly who is not a duly qualified and registered elector. Members receive an allowance of 1*l.* a day during the session.

Electors are qualified by the possession of immovable property of the value of 50*l.*, by payment of rent for such property of the annual value of 10*l.*, or (having resided three years in the colony) by having an income of 9*l.* per annum, inclusive of allowances. Electors (1892), 9,077.

The executive authority resides in a body of not more than six ministers, each of whom must be, or must within four months become, a member of one of the legislative bodies. Each may sit or speak in either house, but may vote only in that of which he is a member.

*Governor of Natal.*—The Hon. Sir Walter Francis Hely-Hutchinson, K.C.M.G. ; Private Secretary to Sir H. Robinson in Fiji, 1874 ; Private Secretary for New South Wales affairs, 1875 ; Colonial Secretary of Barbados, 1877 ; Secretary to the Government of Malta, 1883 ; Lieut.-Governor, 1884 ; Governor of Windward Islands, 1889. Appointed to Natal, 1893. He is also Governor of Zululand.

The Governor has a salary of 4,000*l.* per annum.

The first Ministry under the new Constitution was formed October 10, 1893, as follows :—

*Premier and Colonial Secretary and Minister of Education.*—Hon. Sir John Robinson, K.C.M.G.

*Attorney-General.*—Hon. Harry Escombe, Q.C.

*Colonial Treasurer.*—Hon. G. M. Sutton.

*Minister of Native Affairs.*—Hon. F. R. Moor.

*Minister of Lands and Works.*—Hon. T. K. Murray.

### Area and Population.

The colony has an estimated area of about 20,460 square miles, with a seaboard of about 200 miles. But the extent of some of the districts is all but unknown. The colony is divided into 25 Magisterial Districts.

The European population has more than doubled since 1879. The returns of the total population (1879 and 1891) were :—

—	1891	1879
Europeans . . .	46,788	22,654
Indians . . .	41,142	16,999
Kaffirs . . .	455,983	319,934
Grand total . .	543,913	361,587

Population of the borough of Durban, July 31, 1891, 25,512; and of Pietermaritzburg, July 31, 1891, 17,500.

Between the years 1878 and 1891, 7,197 persons were introduced into the colony by assisted emigration; of these 581 were sent out during the latter year.

Both "Free" and "Assisted" passages are granted by the Government through its "Land and Immigration Board," the former to domestic servants and farmers taking up selected lands, and the latter to artisans and others nominated by resident employers.

### Instruction.

There are 13 Government primary, 2 Government high schools, 44 Government-aided schools, 69 Government-aided farmhouse centres, and a considerable number of private schools in the colony. The aggregate number of pupils in regular attendance at the Government and inspected schools was 6,500 (1893-94); the average daily attendance 86 per cent. of the number on the registers. At the high schools there is an average daily attendance of 145 pupils. About 2,000 children attend private unaided schools, and it is estimated that only 200 white children are receiving no education. About 96 per cent. of the whole number of white children in the colony are being educated, the number of those receiving gratuitous education (1893-94) being 896. The direct Government expenditure on schools for (1893-94) 37,499*l.* Fees paid by pupils in Government schools (1893-94) 5,071*l.* 1*s.* Six bursaries of the annual value of 20*l.* each, tenable for three years, are established by the Government, and one exhibition of the annual value of £150, tenable for 4 years, at a University of the United Kingdom.

There are 92 schools for natives, with a total attendance of 3,829, which received in 1893 grants in aid; and 24 schools for the children of Indians, with a total attendance of 2,589 in 1893, and for which a grant of 1,825*l.* was voted.

### Finance.

The general revenue and expenditure of the colony, exclusive of loan funds, in the last four years ended June 30, were as follows:—

Year	Revenue	Expenditure
	£	£
1889-90	1,507,788	1,444,964
1890-91	1,318,769	1,393,896
1891-92	1,392,455	1,280,964
1892 93	1,069,678	1,099,858

Railway receipts and ordinary expenditure are included in the foregoing statement.

The following are the principal items of ordinary revenue for the year ended June 30, 1893:—Railways, 479,410*l.*; customs, 216,040*l.*; excise, 20,877*l.*; land sales, 43,951*l.*; mails, 38,841*l.*; telegraphs, 14,129*l.*; stamps and licences, 22,349*l.*; native hut tax, 79,489*l.*

The principal items of expenditure for the year ended June 30, 1893, were: Railways, 343,409*l.*; public works, 65,607*l.*; defence, 66,454*l.* Total loan expenditure, 195,086*l.*

The Public Debt on December 31, 1893, was 7,170,354*l.*

### Defence.

There is a body of mounted police numbering 202, and of volunteers 1,588, including a volunteer naval defence corps of 100 men. The cost of the mounted

police force for the year ended June 30, 1893, was 33,305*l.*, and the colony contributed 27,211*l.* to the expense of the volunteers during the same period.

### Industry.

Of the total area of the colony 2,250,000 acres have been set apart for Native occupation, 8,250,000 acres have been acquired by grant from the Crown by Europeans, 750,000 acres have been sold on deferred payments, 700,000 acres are held on lease for grazing purposes, and about 1,000,000 acres remain unalienated from the Crown. Of the total area in 1893 159,074 were under cultivation by Europeans, the leading crop for export being sugar (produce, 1893, 15,803 tons), though large quantities of maize, wheat, oats, and other cereal and green crops are grown. Tea-planting has been recently introduced, 1,883 acres being under tea in 1893, the yield for the year ended June 30, 1893, being about 576,420 lbs. Estimated total number of acres under cultivation by Natives, 360,670.

Of live stock owned by Europeans in 1893 there were 205,542 horned cattle, 66,395 angora goats, 924,920 sheep, and 26,942 horses; and in possession of the Native population in 1893, there were 518,578 horned cattle; 280,908 goats, 21,075 sheep, not wool-bearing, and 38,084 horses.

The coal-fields of the Colony, which are of large extent, are now in direct communication with the seaport of Durban. The output for the year 1893 was 129,255 tons. The advantages accruing to the Colony from the permanent establishment of this industry will be considerable, but they depend in great measure on the establishment of an export trade. Some attempts have been made to utilise the rich beds of iron ore which have been found in many parts of the Colony.

### Commerce.

<sup>1</sup> The total value of imports and exports by sea has been as follows:—

Year	Imports	Exports
	£	£
1850	111,015	17,109
1860	354,987	139,698
1870	429,527	382,779
1880	2,336,584	890,874
1889	4,527,015	1,656,318
1890	4,417,085	1,379,657
1891	3,535,831	1,371,240
1892	3,165,249	1,480,606
1893	2,236,738	1,242,169

In 1893 the imports subject to duty amounted to 2,002,076*l.*; and duty-free to 234,662*l.* The customs revenue was 216,040*l.*, or about 17 per cent. of the value of imports subject to duty. The total imports from Great Britain amounted to 1,685,191*l.*; exports to Great Britain, 798,477*l.* Amongst the imports in 1893 were:—Apparel and slops, 189,805*l.*; haberdashery, 201,904*l.*; flour and grain, 103,226*l.*; woollens, 65,670*l.*; cottons, 76,579*l.*; machinery, 57,507*l.*; iron and iron goods, 254,723*l.*; leather goods and saddlery, 131,707*l.*; ale and beer, 28,496*l.*; wines and spirits, 60,647*l.*

The chief exports were:—Angora hair, valued at 29,835*l.*; hides and skins, 50,623*l.*; unrefined sugar, 95,943*l.*; coal, 58,196*l.*; wool, 517,102*l.*; maize, 3,616*l.*; spirits and rum, 2,900*l.*; gold in dust or bars, 206,307*l.*; bark, 10,700*l.* The value of Colonial produce exported was 829,761*l.*

<sup>1</sup> The values, quantities, and countries of origin or destination given in Natal statistics are those declared in importers' or exporters' entries.



The following is the value of the imports into Great Britain from Natal, and the exports from Great Britain of domestic produce and manufactures to Natal for six years, according to the Board of Trade Returns :—

—	1888	1889	1890	1891	1892	1893
Imports from Natal	£ 1,087,128	£ 962,170	£ 1,125,040	£ 1,183,428	£ 867,954	£ 750,405
Exports of British produce to Natal	2,024,303	3,054,636	2,837,201	2,280,419	1,913,028	1,352,047

The wool imports into Great Britain from Natal amounted in 1893 to the value of 629,358*l.*; hides, 32,939*l.*; raw sugar, 32,370*l.* in 1889, 7,189*l.* in 1890, 2,271*l.* in 1891, 62,148*l.* in 1892, 7,079*l.* in 1893; cotton, 26,147*l.* in 1890, 5,890*l.* in 1891, 50*l.* in 1892, 431*l.* in 1893. Much of the wool and other articles are from the neighbouring Dutch Republics, which also take one third of the merchandise imported into Natal.

The chief articles exported from Great Britain to Natal in 1893 were apparel and haberdashery, 265,228*l.*; cottons, 104,230*l.*; iron, wrought and unwrought, 156,670*l.*; leather and saddlery, 125,726*l.*; machinery, 41,104*l.*; woollens, 74,523*l.*; hardware and cutlery, 23,731*l.*; spirits, 22,815*l.*; beer and ale, 17,457*l.*

### Shipping and Communications.

In 1893 the registered shipping of the colony consisted of 12 sailing vessels of 623 tons, and 12 steamers of 820 tons; total, 24 vessels of 1,443 tons.

In 1893, 509 vessels of 618,070 tons entered, and 509 vessels of 615,745 tons cleared. Of the former 40 of 38,209 tons were from the United Kingdom direct; 253 of 390,515 tons from Cape Colony, including 144 of 306,872 tons from the United Kingdom. Of the vessels cleared, 28 of 32,000 tons cleared for the United Kingdom, and 196 of 287,692 tons for Cape Colony.

There are 399 miles of railway open, all constructed and worked by the Government with the exception of the Dundee Branch (7 $\frac{3}{4}$  miles in length) which will ultimately be absorbed into the Government Railway System. The main line extends from the Port of Durban to Pietermaritzburg, and from thence to Charlestown, on the border of the South African Republic, 306 miles distant from the Port. An extension from Charlestown to Johannesburg and Pretoria is being rapidly constructed, and it is expected will be completed by August, 1895. The length of this extension will be 161 miles, and through communication will thus be established between Durban and Johannesburg, a total distance of 467 miles. There are branch lines as follows:—one extending northwards from Durban to Verulam, 19 $\frac{3}{4}$  miles; another from South Coast Junction to Isipingo, 6 $\frac{3}{4}$  miles; and the last but longest from the main line to Harrismith (Orange Free State) with a mileage of 59 $\frac{1}{2}$  miles, 23 $\frac{1}{2}$  of which run through the Orange Free State. The total cost of construction of the railways up to the end of the year 1893 was 6,060,122*l.* The revenue for 1893 was 416,615*l.*; expenditure, 273,869*l.* The net receipts for the year were equal to 2*l.* 7*s.* 1 $\frac{1}{2}$ *d.* per cent. upon capital.

*Agent-General in London.*—Walter Peace, C.M.G.

### Statistical and other Books of Reference.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

Colonial Office List. 1894.

Illustrated Official Handbook of the Cape and South Africa. Edited by J. Noble. London, 1893.

- Natal Almanack, Directory and Yearly Register. Pietermaritzburg, 1894.  
 Natal Blue-book for 1893-94. Pietermaritzburg, 1894.  
 Statistical Abstract for the several colonial and other possessions of the United Kingdom. 8. London, 1894.  
*Bird* (John), The Annals of Natal, 1495-1845. 8. Pietermaritzburg, 1888.  
*Brooks* (Henry), Natal: a History and Description of the Colony. 8. London, 1887.  
*Cullingworth's* Natal Almanac. Durban, 1894.  
*Peace* (Walter), Our Colony of Natal. Published by permission of the Natal Government. London, 1884. Notes on Natal. London, 1893.  
*Robinson* (Sir John), Notes on Natal. 8. Durban, 1872.  
*Russell* (R.), Natal, the Land and its Story. 8. Pietermaritzburg, 1891.  
*Silver* (S. W.), Handbook to South Africa, including the Cape Colony, Natal, the Diamond Fields, &c. 8. London, 1891.  
*Statham* (F. R.), Blacks, Boers, and British. London, 1882.  
*Trollope* (Anthony), South Africa. 2 vols. 9. London, 1878.

### NIGER COAST PROTECTORATE.

This important region occupies the whole of the coast line between Lagos and Cameroons, excepting that between the Forcados and Brass Rivers, which falls within the Niger Territories. Fully nineteen-twentieths of the extensive trade are in the hands of British merchants, who have been established there for a great number of years. The following are the provisional limits towards the interior: North-westward, the boundary of Lagos Colony and Yoruba; northward, a line starting about 50 miles north of the Warri Creek and running towards Yoruba so as to leave the entire Benin Region to this protectorate, and another line starting midway between the Nun and Brass mouths of the Niger, passing through the town of Idu on the Ageuni River, and thence north-eastward to the German boundary of Cameroons, leaving the Cross River within the protectorate. The district was placed under British protectorate by treaties made in 1884. The Protectorate was formally inaugurated August 1, 1891, the government being intrusted to an Imperial Commissioner and Consul-General, with administrative and judicial powers, and the power of imposing taxation. Since then consular administration has been established and consular courts constituted. The fiscal arrangements under European officers have yielded sufficient revenue for the costs of administration. There are two military posts, and other two are about to be established in the interior. No trustworthy estimate can be formed of the population.

The total value of the imports for the year 1892 was 720,014*l.*, and exports 875,504*l.*; 1893, imports, 880,389*l.*; exports, 988,485*l.* The customs duties collected in 1893 amounted to 156,890*l.* Three fourths of the import and half the export trade is with the United Kingdom, the greater part of the remainder being with France, Germany, and Holland. The chief products exported are palm oil, palm kernels, india-rubber, ivory, ebony, camwood, indigo, gums, barwood, hides, and a little cacao; and the imports consist of cloth, calico, hardware, spirits, tobacco, gunpowder, guns, rice, bread, salt, pickled meat, matchets, soap, pottery, and fancy articles. The leading trade stations in the Oil Rivers District are Old Calabar (Duke Town and Creek Town), Qua Eboe, Opobo (town) and Azumewi, Ohumbela, Ogogo, Esséne, &c. (interior Opobo); New Calabar—including Degama, Bakana, Buguma, Okrika, &c.—Bonny, Brass, Warri, Benin. At the ports of the Protectorate in the year 1893 there entered 154 vessels of 190,449 tons (138 of 169,715 tons British) and cleared 152 of 187,952 tons (137 of 168,279 tons British).

The majority of the merchants trading in the Oil Rivers amalgamated in

1889 into the African Association, Limited, of Liverpool, with a nominal capital of 2,000,000*l.*, with power to increase as far as 5,000,000*l.* The subscribed capital is stated as 425,000*l.*

*Imperial Commissioner and Consul-General for the Niger Coast Protectorate.*  
—Sir Claude Maxwell MacDonald, K. C. M. G.

Under the Commissioner are six Vice-Consuls, stationed on the several rivers.

## NIGER TERRITORIES.

These are governed by the Royal Niger Company, under a charter issued on July 10, 1886. Its capital of a little over 1,000,000*l.* is fully subscribed, and it has powers to increase indefinitely. Its foundation dates from 1882, when it was formed under the name of The National African Company, Limited, with the object of obtaining these regions for Great Britain. This was effected in 1884, 1885, and 1886 by means of about 300 treaties with native States and tribes, including the territories of Sokoto and Borgu.

According to the Anglo-French Agreement of August 5, 1890, the limit between the British and French spheres on the Niger is a line from Say, on the Niger, to Barrawa on Lake Chad, 'drawn in such a manner as to comprise in the sphere of the Niger Company all that fairly belongs to the Kingdom of Sokoto, the line to be determined by Commissioners to be appointed,' and by the Anglo-German agreement of July and August 1886, the limit between the British and German spheres of influence is a line drawn from the point on the Cross River, "about 9° 8' of longitude east of Greenwich, marked 'Rapids' on the English admiralty chart," to such a point on the river Benue to the east of Yola, as may be found on examination to be practically suited for the demarcation of a boundary. By a further agreement signed at Berlin on November 15, 1893, this point has been fixed three miles below the centre of the main mouth of the river Faro—or about 30 miles east of Yola—and from that point a further line of demarcation has been drawn to a point on the southern shore of Lake Chad, "situated 35 minutes east of the meridian of the centre of the town of Kuka," the capital of Bornu. This Anglo-German agreement and the Anglo-French agreement of 1890 thus secure to British influence the large Western portion of the important kingdom of Bornu. Total area of Niger Territories and the regions secured to the Company's influence by the above international agreements is estimated at 500,000 square miles; population variously estimated from 20,000,000 to 35,000,000.

At present the Fulah empire of Sokoto (attached by treaty to the Royal Niger Company) is the largest, the most populous, and extensive in the whole of the Sudan. The king of Gando, in the middle Niger Valley, as well as all the other Fulah chiefs, recognise the suzerainty of the Emperor of Sokoto. The reigning sovereign has irrevocably conferred on the Royal Niger Company full sovereign power throughout a large part of his dominions, and complete jurisdiction, civil, criminal, and fiscal, over non-natives throughout the remainder. Sokoto and Gando together cover an area of 219,500 square miles, with a population of 15,000,000. The empire, which is conterminous on the east with Bornu, on the west with the Borgu and Mossi countries, and stretches from the Sahara southwards to the unexplored regions beyond Adamawa, is especially rich in agricultural resources, exporting considerable quantities of rice (the chief cereal) and other grains, besides onions of excellent flavour, the fruit of the butter tree, the parched seeds of the doria, dates, and honey. Cotton is largely grown, and manufactured into a durable material, coloured with indigo and other natives dyes. Much leather ware (shoes, sandals, pouches, harness) is also exported in exchange for salt from the Sahara and European goods.

The Sultan of Sokoto exercises direct jurisdiction over only a comparatively

small portion of his dominions, most of which are ruled by vassal kings and chiefs enjoying royal prerogatives, but attached to the central government by payment of annual tribute, and the residence of officials from Sokoto, who exercise much influence on the administration, and furnish frequent reports to the Sultan. The right of the latter to depose a disobedient vassal and appoint a successor is fully recognised, and has been more than once exercised of late years. The Niger Company has forestalled any questions as to title or sovereignty by making alternative treaties with these vassal kings. Wurno is the present capital of the empire, on the river Gandi, population 15,000. There are a great many other large centres of population and busy market towns, such as Gando, capital of the Kingdom of Gando; Yola, capital of Adamawa, population 12,000; Kano, 35,000; Bida, 90,000; Gerki, 15,000; Kebbi, 22,000; Yakoba, 50,000; Tessawa, 12,000; Katsena, 7,500; Gurin, 12,000; Duku, 15,000; Illorin, 50,000. Islam is the religion of the dominant class, but paganism still prevails largely throughout the empire.

BORGU, which is attached to the Company by treaty similar to that with Sokoto, occupies a considerable portion of the right bank of the middle Niger to the south of Gandu and north of Illorin, two of the provinces of the Sokoto empire. Borgu, which is also known under the name of Bussang, extends westward to the meridian of Greenwich, and thus forms the northern boundary of Dahomey. Its military power must be considerable, as it has throughout this century successfully resisted the attacks of the Fulah empire. No trustworthy statistics of this country are available. Both its government and people are Pagan.

The present capital of the Niger Territories is at Asaba, where the chief justice of the supreme court resides, and where are also the central prison, civil and military hospitals, and other public buildings. The headquarters of the company's military force are at Lokoja. The other principal settlements are at Akassa (port of entry), Abo, Abutshi, Atani, Bakundi, Donga, Egga, Ganagana (port of entry), Ibi, Idah, Leaba, Loko, Odeni, and Yola, the last being only about 200 miles from Lake Chad. The trade in these inland territories is as yet in its infancy, the exports having been 230,000*l.* in 1888, 260,000*l.* in 1889, 285,000*l.* in 1890, 335,000*l.* in 1891, 342,000*l.* in 1892, and 406,000*l.* in 1893. The principal exports are gums, hides, india-rubber, ivory, kernels, palm oil, and vegetable butter, but a great variety of minor products are also exported. Considerable plantations of coffee and cocoa have been started, and a botanic garden created. The imports are very varied, the principal items being cottons, silks, woollens, earthenware, hardware, beads, tobacco, and salt. Heavy duties have been imposed by the company on spirits and gunpowder the trade in both of which has greatly diminished in consequence since the charter. The importation of spirits into regions north of latitude 7° N. (stated to form nineteen-twentieths of the Territories) is now prohibited. Tobacco and salt are also taxed. All other imports are free. The revenue is principally raised by export duties.

The government is conducted by the Council in London, of which the president is Lord Aberdare, the vice-president, Sir George Taubman Goldie, K. C. M. G.

#### BOOKS OF REFERENCE ON NIGER TERRITORIES AND OIL RIVERS.

- Annual Reports of the Royal Niger Company.  
 Travels of Clapperton, R. Lander, Richardson, Barth, Rohlf.  
 Goldie (Hugh), Old Calabar and its Mission, 1890.  
 Hutchinson, Narrative of the Niger, Tshadda, and Binué Exploration.  
 Johnston (H. H.), Paper in Proceedings R. G. S., 1888.  
 Keltie (J. Scott), The Partition of Africa. 2nd. ed. London, 1894.  
 MacDonald (Sir C. M.), Paper in Proceedings R. G. S., 1891.

*Moekler-Ferryman* (A. F.), *Up the Niger*. London, 1892.

*Thomson* (J.), 'Mungo Park,' and *Proc. R. Geographical Soc.* (1886).

**Nyasaland.** See CENTRAL AFRICA (BRITISH).

**Pondoland.** See CAPE OF GOOD HOPE.

### SOUTH AFRICA (BRITISH).

UNDER the unofficial title of British Zambezia, or, as it is known locally, "Rhodesia," is often included the whole of the region lying between the north and west of the South African Republic and the 22nd degree of south latitude and the southern boundaries of the Congo Free State, and having as its eastern and western boundaries the Portuguese and German spheres. The River Zambezi divides it into two portions, which may be described as Southern Zambezia and Northern Zambezia (see Central Africa, British) respectively.

Of Southern Zambezia the precise western boundary is thus defined in the Anglo-German Agreement of 1890 :—

"In South-West Africa, the sphere in which the exercise of influence is reserved to Germany is bounded—(1) To the south by a line commencing at the mouth of the Orange River, and ascending the north bank of that river to the point of its intersection by the 20th degree of east longitude. (2) To the east by a line commencing at the above-named point, and following the 20th degree of east longitude to the point of its intersection by the 22nd parallel of south latitude. It runs eastward along that parallel to the point of its intersection by the 21st degree of east longitude; thence it follows that degree northward to the point of its intersection by the 18th parallel of south latitude; it runs eastward along that parallel till it reaches the River Chobe, and descends the centre of the main channel of that river to its junction with the Zambezi, where it terminates."

Its eastern boundary is defined in the Anglo-Portuguese Agreement of the 11th of June, 1891, as follows :—

"By a line which, starting from a point opposite the mouth of the River Aroangwa or Loangwa, runs directly southwards as far as the 16th parallel of south latitude, follows that parallel to its intersection with the 31st degree of longitude east of Greenwich, thence running eastward direct to the point where the River Mazoe is intersected by the 33rd degree of longitude east of Greenwich; it follows that degree southward to its intersection by the 18° 30' parallel of south latitude; thence it follows the upper part of the eastern slope of the Manica plateau southwards to the centre of the main channel of the Sabi, follows that channel to its confluence with the Lunte, whence it strikes direct to the north-eastern point of the frontier of the South African Republic, and follows the eastern frontier of the Republic, and the frontier of Swaziland, to the River Maputo.

"It is understood that, in tracing the frontier along the slope of the plateau, no territory west of longitude 32° 30' east of Greenwich shall be comprised in the Portuguese sphere, and no territory east of longitude 33° east of Greenwich shall be comprised in the British sphere. The line shall, however, if necessary, be deflected so as to leave Mutassa in the British sphere, and Massi-kessi in the Portuguese sphere."

In 1888 the portion of the Southern region included in Matabeleland and Mashonaland was declared to be within the British sphere of influence, and on the 29th of October, 1889, a Royal Charter was granted to the British South Africa Company, conferring upon it large powers of administration to carry out the objects for which it was formed, the principal being to extend northwards the railway and telegraph systems of the Cape Colony and Bechuanaland, to encourage emigration and colonization, to promote trade and commerce, and to develop and work mineral and other concessions.

The most important part of this territory is Matabeleland and Mashonaland, rich in gold reefs and other minerals, the Mashona plateaus being well adapted for culture and European settlement.

The British South Africa Company is further empowered by its Charter to take over the administration of other districts in Africa, subject to the approval of the Government; including the region to the north and west of the Bechuanaland Protectorate, which embraces Khama's territory and the region between that and the German boundary. The country, though desert in parts, is well adapted both for cultivation and agriculture, being situated principally on the high, healthy plateau of Central South Africa. The entire area of operations of the company covers about 750,000 square miles.

The consent of Lo Bengula having been obtained, an expedition was in 1890 despatched to Mount Hampden (31° 20' E. long., 17° 40' S. lat.). By the pioneers a road of 400 miles was constructed, drifts and bridges over rivers and boggy places were formed, and forts erected at Tuli, Victoria, Charter, and Salisbury. In September, 1890, this force was disbanded and allowed to peg off auriferous claims. Care was taken to avoid collisions with the Matabele, but in 1893 in consequence of their repeated raids on the Mashonas, the Company's force advanced from Charter and Victoria, while Imperial and native forces advanced from the south towards Bulawayo. After several battles, the power of Lo Bengula was broken, and on November 4 the Company's forces entered Bulawayo without opposition.

Since the grant of the Royal Charter the British South Africa Company has extended the Cape Government railway system from Kimberley to Vryburg, a distance of 126 miles, and this section has since been taken over from the Company by the Cape Government. An English company, viz. the Bechuanaland Railway Company, has recently been formed by the Chartered Company to extend the line of railway northwards from Vryburg. The construction of the first section to Mafeking, a distance of 100 miles, was completed and opened for traffic on October 3, 1894, and an extension of the line to Gaborones and Palapye is arranged for. The cost of this first section is estimated at about £210,000. Another company, viz. the Beira Railway Company, has been formed by the Chartered Company to construct the railway provided for in the Anglo-Portuguese agreement, between Beira, on the East Coast, and Mashonaland. The first section of 75 miles was opened for traffic on October 7, 1893, and a further section of 43 miles to Chimoio, giving a total length of 118 miles, has since been opened. The Company has extended the telegraph system from Mafeking to Salisbury in Mashonaland, over 800 miles, and 14 telegraph stations have been opened. The telegraph is extended from Palapye to Bulawayo and Salisbury. It is intended immediately to continue the telegraph line from Salisbury *via* Umtali to Chimoio.

On December 27, 1892, the African Transcontinental Telegraph Company, Limited, was incorporated with a capital of £140,000, its object being to extend the Company's telegraph system from Salisbury, Mashonaland, to Zomba, in Nyasaland, thence *via* Lakes Nyasa and Tanganyika to Uganda, and ultimately to connect with the Egyptian Government system of telegraphs at Wady Halfa, thus placing Cape Town in through communication with Cairo. About 60 miles of line from Blantyre to Zumbo, in the direction of Tete, is completed.

In Mashonaland distinct gold-fields have been discovered, their united area being estimated at 5,250 square miles. Other minerals have been discovered, silver, copper, blende, tin, antimony, arsenic, and lead; while deposits of nitrate of potassium, plumbago, and coal have been discovered.

Townships at Salisbury, Victoria, Hartley Hill, Umtali, Bulawayo, and Gwelo have been surveyed and marked out. In Mashonaland alone by September, 1894, farms representing a total of 1,722,274 acres had been actually

surveyed: it was estimated that in Matabeleland 800 farms, aggregating 4,800,000 acres, had been beaconsed.

At Salisbury there are Government offices, a branch of the Standard Bank, several churches, hotels, and hospitals. Sanitary boards have been established, and good government throughout the country provided for. In Bulawayo there is a settled local Government, and a white population of 2,020. By the new postal route *via* Bulawayo, London and Salisbury are brought within 33 days of each other.

The capital of the Company was 1,000,000*l.*, nearly the whole of which was represented by cash subscriptions. A resolution to increase the capital to 2,000,000*l.* by issuing fully paid-up shares—*viz.* 925,000 to the United Concessions Company and 75,000 to the Exploring Company in satisfaction of the rights of those companies to the moiety of the net receipts from the operations of the British South Africa Company—was agreed to November 20, and confirmed December 4, 1893. Revenue now accrues from mining, trading, and professional licenses, stand holdings, and postal and telegraph services.

## REFERENCES.

- Annual Report of the British South Africa Company.  
*Bent* (J. Th.), *The Ruined Cities of Mashonaland*. S. London, 1893.  
*Churchill* (Lord R. S.), *Men, Mines, and Animals in South Africa*. 3 Ed. London, 1893  
*Finlason* (C. E.), *A Nobody in Mashonaland*. S. London, 1894.  
*Greswell* (W. P.), *Geography of Africa South of the Zambezi*. S. London, 1893.  
*Keltie* (J. Scott), *The Partition of Africa*. 2 Ed. London. 1895.  
*Knight* (E. F.), *Rhodesia of To-day*. London. 1893.  
*Mathers* (E. P.), *Zambesia*. London, 1891.  
*Murray* (R. W.), *South Africa*. London, 1891.  
*Oates* (F.), *Matabeleland and the Victoria Falls*. S. London, 1893.  
*Selous* (F. C.), *Travel and Adventure in South-East Africa*. London, 1893.  
*Willoughby* (Sir J. C.), *A Narrative of Further Excavations at Zimbabwe (Mashonaland)*. London, 1894.  
*Wills* (W. A.), and *Collingridge* (L. T.), *The Downfall of Lobengula*. London, 1894.  
*Wood* (J. G.), *Through Matabeleland*. London, 1893.

## ST. HELENA.

*Governor*.—Wm. Grey-Wilson, C.M.G. (500*l.*), assisted by a council of five.

St. Helena, of volcanic origin, is about 800 miles from Ascension Island, the nearest land, and 1,200 from the west coast of Africa. Its importance as a port of call was greatly lessened by the opening of the overland route to India, and also by the Suez Canal. Area, 47 square miles. Population in 1891, 4,116, inclusive of 179 garrison and 60 shipping. Births, 1893, 126; deaths, 72; <sup>1</sup> marriages, 25. Emigrants about 200 annually to the Cape and United States. Four Episcopal, 3 Baptist, 1 Roman Catholic chapels. Education, 12 schools, with 838 pupils; 4 of the schools receiving a Government grant of 363*l.* in 1893.

The following tables give statistics for St. Helena:—

	1889	1890	1891	1892	1893
	£	£	£	£	£
Revenue . . . . .	8,509	8,729	6,874	7,691	8,457
Expenditure . . . . .	8,979	9,032	8,288	7,445	7,637
Exports <sup>2</sup> . . . . .	5,643	1,905	3,126	7,863	4,976
Imports . . . . .	28,963	31,958	27,382	30,386	39,193

<sup>1</sup> Five seamen and two soldiers included.

<sup>2</sup> Including specie: 5,250*l.* in 1889; 1,530*l.* in 1890; 2,195*l.* in 1891; 6,721*l.* in 1892; 4,055*l.* in 1893.

Savings-bank deposits 9,725*l.* in 1893. Total estimated value of island wealth, 200,000*l.* Public debt, Nil. The exports to Great Britain in 1893 were 4,709*l.*; imports from Great Britain, 25,069*l.* There is a whale-fishery under American management, the results varying from 13,000*l.* to 30,000*l.* yearly. The total and British tonnage entered and cleared:—

Tonnage	1889	1890	1891	1892	1893
Total . . .	94,668	79,366	65,636	74,161	81,161
British . . .	83,097	66,272	61,865	68,972	73,418

The Post Office traffic from St. Helena in 1893: 20,460 letters, 2,835 books and papers, 233 parcels. There are 13 miles of telegraph wire.

St. Helena is largely used as a recruiting station for the West African Squadron. Battery of Royal Artillery, 1 company of infantry; 4 heavy guns on height over port.

Colonial Report. Annual. London.

*Brooke's* History of St. Helena.

*Ellis* (A. B.), West African Islands. S. London, 1885.

*Morris* (D.), Agricultural Resources of St. Helena.

*Melliss's* Physical and Topographical Description of St. Helena.

**Sierra Leone.** See WEST AFRICAN COLONIES.

**Socotra. Somali Coast.** See ADEN.

## TRISTAN DA CUNHA.

A small group of islands in the Atlantic, half-way between the Cape and S. America, in 37° 6' S. lat. 12° 1' W. lon. Until the death of Napoleon I. they were occupied by a garrison. Besides Tristan da Cunha and Gough's Island, there are Inaccessible and Nightingale Islands, the former two and the latter one mile long, and a number of rocks. The population consists mainly of the families of shipwrecked sailors and wives from St. Helena, and numbered about 61 in 1894. There are 600 head of cattle and about 500 sheep on the island, and both beef and mutton are excellent. Beans, potatoes, and apples are grown. The only dwellings are a few cottages on one side of the mountain.

## WEST AFRICAN COLONIES.

These are four in number, all Crown colonies: GOLD COAST, LAGOS, GAMBIA, and SIERRA LEONE.

The **Gold Coast** stretches for 350 miles along the Gulf of Guinea, between 5° W. long., and 2° E. long. *Governor*, W. E. Maxwell, C.M.G. (4,000*l.*). There are an Executive and Legislative Council, both nominated, with two unofficial members in latter. Area estimated at 15,000 square miles, including protectorate, 46,600. Estimated population, 1,473,882; of whom about 150 are Europeans. Chief towns: Accra, 16,267; Elmina, 10,530; Cape Coast Castle, 11,614; Kwitta, Saltpond, and Winneba. Government elementary schools at Accra and Cape Coast, but education mainly in the hands of the various religious bodies, Wesleyan, Roman Catholic, and German Missions; 7,689 scholars; Government contributed 2,170*l.* in 1893. Staple products and exports, palm oil, palm kernels, and india-rubber; the export of valuable native woods is increasing. Gold found in many parts and now being worked. Telegraphs (1893) 391 miles, including three miles of cable.



**Lagos**, an island on the Slave Coast to the east of the Gold Coast, the protectorate extending along the coast between 2° and 6° E. long., and for some distance inland. *Governor*, Sir Gilbert Thomas Carter, K.C.M.G. (2,250*l.*). Executive and Legislative Councils, nominated. Area, including protectorate, 1,071 square miles; estimated population, 100,000, including about 150 whites. Including Yoruba, area 20,070 square miles; population, 3,000,000; Christians, 6,000; Mohammedans, 12,000; the rest Pagans. 34 schools; 2,500 pupils; exclusive of Mohammedan schools. Principal products and exports: palm oil and kernels, ivory, gum copal, and cotton. Chief imports: spirits, tobacco, cotton goods, hardware. Trade mainly with Great Britain, Brazil, and Germany.

**Gambia**, at the mouth of the river Gambia, formerly formed part of the West African Settlements, but in December 1888 was erected into an independent colony. *Administrator*, R. B. Llewelyn, C.M.G. (1,400*l.*). Executive and Legislative Council nominated. 2,700 square miles, population, 50,000. Area of settlement proper, 69 square miles; population (1891), 14,266, including 62 whites, 5,300 Mohammedans, 2,385 Christians (Protestants and Roman Catholics); 5 schools, with 861 pupils enrolled; Government grant, proportionate to results (1893, 325*l.*). Births (1892), 391; deaths, 638; but the registration of births is very imperfect. In 1893, 273 prisoners were tried, and 154 convicted. Chief town, Bathurst, on the island of St. Mary, 6,000 inhabitants. Chief products and exports: ground nuts, hides, bees-wax, rice, cotton, corn, india-rubber.

**Sierra Leone** includes the island of Sherbro, and much adjoining territory. *Governor*, Colonel Frederic Cardew, C.M.G. (2,500*l.*); assisted by Executive and Legislative Councils, nominated. It extends from the Scarcies River to the north, to the border of Liberia in the south, 180 miles. Area, 15,000 square miles; population, 180,000. Sierra Leone proper 4,000 square miles; population (census, 1891), 74,835, of whom 224 are whites. Protestants, 40,790; Catholics, 571; Mohammedans, 7,396; the rest Pagans. In 1893, 85 elementary and 6 high schools, with 10,500 pupils; Government grant in aid, 872*l.* Fourah Bay College is affiliated to the University of Durham. Chief town, Freetown, 30,033 inhabitants—headquarters of H.M.'s forces in West Africa, 800 men of the West India Regiment, besides engineers and artillery. Armed constabulary force of 570 men chiefly for frontier defence. Freetown, the greatest seaport in West Africa, is a second-class Imperial coaling station, with an excellent harbour fortified with several batteries of heavy guns. There is a supreme court, and police and petty debt courts in each district; offences in 1893, 1,478. Chief products and exports: palm oil and kernels benni seed, ground nuts, kola nuts, india-rubber, copal, hides. Many skilled workers in gold and silver. Trade considerably diminished owing to activity of the French in their neighbouring colonies. Government savings banks with 30,725*l.* deposited in 1893. There are good roads, and much traffic on the many lagoons and canals. The following are the statistics of the four colonies:—

Revenue	1889	1890	1891	1892	1893
	£	£	£	£	£
Lagos . . . . .	57,633	56,341	78,625	68,421	115,317
Gold Coast . . . . .	111,388	156,449	186,021	183,074	201,783
Sierra Leone . . . . .	70,836	73,708	89,869	86,866	92,769
Gambia . . . . .	26,281	30,573	31,038	30,977	31,899
Total . . . . .	266,138	317,071	385,553	369,338	441,768

198 THE BRITISH EMPIRE:—WEST AFRICAN COLONIES

Leading item of revenue (1893) : Customs, Lagos, 104,203*l.* ; Gold Coast, 177,720*l.* ; Sierra Leone, 72,232*l.* ; Gambia, 27,446*l.*

Expenditure	1889	1890	1891	1892	1893
	£	£	£	£	£
Lagos . . . . .	57,488	63,701	66,388	86,513	101,251
Gold Coast . . . . .	125,003	117,899	133,407	158,104	178,934
Sierra Leone . . . . .	66,771	63,056	77,965	83,852	84,691
Gambia . . . . .	21,566	22,758	27,697	28,740	38,143
Total . . . . .	270,828	267,414	305,457	357,209	403,019

The public debt of Sierra Leone (1893), consists of a loan of 50,000*l.*, payable 1896-98, but the assets of the Colony at the end of 1892 showed a surplus of 1,160*l.* The others have no public debt.

Exports	1889	1890	1891	1892	1893
	£	£	£	£	£
Lagos . . . . .	457,649	595,193	717,643	577,083	836,295
Gold Coast . . . . .	415,926	601,348	682,305	665,064	722,107
Sierra Leone . . . . .	319,719	349,319	477,656	420,451	398,664
Gambia . . . . .	167,599	163,374	180,051	172,197	204,721
Total . . . . .	1,360,893	1,709,234	2,059,655	1,834,795	2,161,787

Chief exports (1893) from Lagos : palm kernels, 436,056*l.* ; palm-oil, 252,051*l.* Gold Coast : india-rubber, 218,162*l.* ; palm oil, 178,954*l.* ; palm kernels, 183,910*l.* ; kernels, 80,721*l.* ; gold dust, 79,099*l.* Sierra Leone : palm kernels, 147,676*l.* ; rubber, 51,630*l.* : and kola nuts, 40,106*l.* Gambia : ground nuts, 172,765*l.* ; rubber, 2,619*l.*

Imports	1889	1890	1891	1892	1893
	£	£	£	£	£
Lagos . . . . .	464,260	500,827	650,192	522,041	749,027
Gold Coast . . . . .	440,868	562,103	665,781	597,095	718,353
Sierra Leone . . . . .	277,781	389,908	453,378	413,117	417,466
Gambia . . . . .	140,818	149,548	172,118	169,973	166,509
Total . . . . .	1,323,727	1,602,385	1,941,469	1,702,226	2,051,355

The recorded values and quantities are, in general, those disclosed by invoices and declarations, but spirits are gauged and measured. At Gambia the cost of freight, insurance, and packages is added to the invoice value of imports, and the cost of packages is added to the declared value of exports. The countries of origin and destination are those shown by the shipping documents.

The chief imports (1893) of Lagos were : cotton goods, 283,943*l.* ; spirits, 93,499*l.* ; tobacco, 23,591*l.* Gold Coast : cotton goods, 213,908*l.* ; spirits, 102,921*l.* Sierra Leone : cotton goods, 130,535*l.* ; spirits, 24,237*l.* ; tobacco, 30,356*l.* Gambia : cotton goods, 39,326*l.* ; spirits, 5,457*l.* ; tobacco, hardware. According to the Board of Trade returns, the total imports into the United Kingdom in 1893 from the West African colonies amounted to 1,866,587*l.* ; and the exports of British produce and manufactures to these colonies amounted to 1,115,716*l.*

Tonnage of all the vessels entered and cleared at the West African Colonies, and of British vessels entered and cleared, for five years :—

—		1889	1890	1891	1892	1893
Total Tonnage	Lagos . . .	505,517	555,862	597,645	679,354	694,840
	Gold Coast . . .	569,046	643,015	777,169	826,910	830,766
	Sierra Leone . . .	589,171	679,509	842,523	800,695	746,512
	Gambia . . .	198,911	221,686	229,958	217,424	228,706
	Total . . .	1,862,645	2,100,072	2,447,295	2,524,382	2,500,824
British Tonnage	Lagos . . .	368,632	385,746	442,646	506,392	526,032
	Gold Coast . . .	430,278	455,158	546,104	525,842	564,652
	Sierra Leone . . .	496,899	543,910	634,551	589,671	574,581
	Gambia . . .	128,014	149,968	150,342	151,672	162,401
	Total . . .	1,423,823	1,534,782	1,773,643	1,773,577	1,827,666

The currency, weights, and measures are the same as those used in Great Britain.

#### BOOKS OF REFERENCE.

- The Annual Blue Books of the various Colonies, and Reports thereon.  
 The Colonial Office List. Annual.  
 Statistical Abstract for the Colonies. Annual.  
 Sierra Leone. Report and General Statistics of Census of 1891.  
*Banbury* (G. A. L.), Sierra Leone; or, The White Man's Grave. 8. London, 1888.  
*Blyden* (E. W.), Christianity, Islam, and the Negro Race. 8. London, 1880.  
*Boyle* (F.), Through Fanteeland and Coonassie. 8. London, 1874.  
*Ellis* (A. B.), West African Sketches. 8. London, 1881. History of the Gold Coast of West Africa. 8. London, 1893. The Yoruba-speaking Peoples of the Slave Coast. 8. London, 1894. The Ewe-speaking Peoples of the Slave Coast. 8. London, 1890. The Tshi-speaking Peoples of the Gold Coast. 8. London, 1887. West African Islands. 8. London, 1885.  
*Ingham* (Bishop E. G.), Sierra Leone after a Hundred Years. 8. London, 1894.  
*Lucas* (C. P.), Historical Geography of the British Colonies. Vol. III. 8. London, 1894.  
*Moloney* (C. A.), Sketch of the Forestry of West Africa. 8. London, 1887.  
*Moloney* (C. A.), West African Fisheries (Gold Coast). 8. London, 1883.  
*Poole* (T. E.), Life, Scenery and Customs in Sierra Leone and the Gambia. 2 vols. 12. London, 1850.  
*Sibthorpe* (A. B. C.), History of Sierra Leone. 12. London, 1881.  
*Sibthorpe* (A. B. C.), Geography of Sierra Leone. 12. London, 1881.

## ZANZIBAR.

### Sultan and Government.

THE Sultan, or more correctly, the Seyyid, Hamed bin Thwain bin Saïd, about 38 years of age, nephew of the late Sultans Ali, Khalifa and Burghash, succeeded to the Sultanate on the death of Seyyid Ali on March 5, 1893. He was one of several claimants, and was selected by the British Government as being the most fitting.

Zanzibar dominions were gradually acquired by the Imams of Muscat at various dates between the years 1698 and 1807, partly by conquest from the Portuguese and partly from native chiefs. They were held as an appanage of Muscat until the death of Seyyid Saïd, when, on a dispute as to the succession arising between Seyyid Thwain, of Muscat, father of the present Sultan of Zanzibar, and Seyyid Majid, of Zanzibar (both being sons of Seyyid Saïd), the dominions in Africa were made independent of the present State, and confirmed under Majid by an arbitration of Lord Canning (dated 1861), then Governor-General of India. Besides the islands of Zanzibar, Pemba, and smaller islands, the Sultan's authority nominally extended along the coasts of the mainland, from Warsheikh, in 3° N. lat., to Tunghi Bay, in 10° 42' S. lat. Until 1886 (see British East Africa, p. 178; and German East Africa, p. 568) the Sultan's dominions were of indefinite extent inland, his influence, however, extending but a little way from the coast, except along a few trade routes. In 1886 the Sultan's dominions were delimited. Zanzibar was recognised as holding a

continuous strip of coast, ten miles in depth, reaching from Cape Delgado to Kipini on the Ozi River. England and Germany agreed to confine their action in the parts not recognised as belonging to Zanzibar as follows:—Germany was to have as a sphere of influence the country stretching inland from the river Rovuma northwards to the Uмба River; England's sphere of influence extending northward from the Uмба. Northwards of Kipini the Sultan of Zanzibar retained several stations where he had hitherto kept garrisons, viz., Lamu, Kismayu, Brava, Merka, Mogadischo, Warsheikh. Of these, however, the last four were ceded to Italy on August 26, 1892, and the Italian Government took over their administration on September 26, 1893. The German East African Association, in virtue of a concession signed in May 1888, acquired the right to administer the Mrima or mainland (including the customs of the Sultan's ports) from the Rovuma to the Uмба River on the north. The Imperial British East Africa Company acquired the right to administer the coast from the Uмба to Kipini for fifty years, on condition of an annual payment to the Sultan; and in 1889 further acquired the ports and islands (including Lamu, Manda, and Patta) mentioned above to the north of the Tana. A further settlement of all territorial questions was entered into by England and Germany in the summer of 1890, confirming the general lines of the above agreement, but conferring on England the protectorate of Zanzibar, including the island of Pemba, and abandoning to British influence the territory from the Uмба north to the Juba River, including the territory of Witu. The territory between the Tana and Juba rivers, the administration of which had been entrusted to the British East Africa Company, was evacuated by them on July 31, 1893, and the administration handed over to the Sultan of Zanzibar. Germany acquired all the Sultan's rights over the portion of the mainland under German protection for the sum of 4,000,000 marks.

In October 1891, a regular Government was formed, of which General Mathews is President. Henceforth all accounts will be kept in English and Arabic, and will be always open to the inspection of the British Consul-General, and no new undertakings or additional expenditure will be incurred without his consent. On February 1, 1892, Zanzibar was declared a free port, but the importation of spirits, arms, powder, and mineral oils remains subject to regulation.

### Area, Population, Religion.

The island of Zanzibar has an area of 625 square miles, and Pemba 360 square miles. The population of the island is estimated at 150,000, and that of the island of Pemba 50,000. There is a considerable foreign population, mostly engaged in trading. There are about 50 Englishmen, 50 Germans, a few Americans, Frenchmen, Italians, Greeks, and Roumanians, the two latter nationalities being under British protection. There are also about 5,600 British Indian subjects, through whose hands almost the whole trade of Zanzibar and of East Africa passes, directly or indirectly. The town of Zanzibar has a population estimated at 30,000.

Mohammedanism is the religion of the country, most of the natives of the coast and islands being Sunnis of the Shafi school, though many are heathen; while the Sultan and his relatives are schismatics of the Ibadhi sect. There are Christian missions (Church of England, Wesleyan, Independent, and Roman Catholic) on the island and far into the mainland.

There is a French hospital at Zanzibar, attended by French sisters of mercy, and a hospital at the Universities Mission. Sir Tharia Topan's hospital for Indians is now completed.

### Justice.

Justice among the Sultan's subjects is administered by various 'Kazis,'

with an appeal to H.H. ; among Europeans by their consuls in all cases in which they are the accused or defendants. By a declaration signed December 16, 1892, the Sultan has delegated to the British Agent and Consul-General his right to try all cases in which a British subject is plaintiff or accuser, and the defendant or accused is a Zanzibar subject or the subject of a non-Christian state without a treaty. The British Court has also jurisdiction over all slaves freed by her Majesty's Agency and Consulate General. Most of the civil cases are brought into the English Consular Court, from which there is an appeal to the Bombay High Court. To it also pertains admiralty jurisdiction with reference to the slave trade, and it is a naval prize court, by virtue of the Zanzibar (Prize) Order in Council, 1888.

### Finance.

The revenue of the Sultan was mainly derived from customs dues and taxes on produce, chiefly cloves. Under the new arrangement with England the Sultan's privy purse, which will be kept separate from the general revenue of the country, has been fixed at about two lakhs of rupees annually, and the remainder of the revenue will be devoted to the charges for police, harbour improvements, and public works. The Sultan has also a considerable private income. All the public expenditure must receive the sanction of the Sultan and the British Agent and Consul-General.

There is a regular army of about 1,000 men, including police, under the command of General Hatch.

### Commerce.

In 1892 the imports were estimated at 1,185,330*l.*, and exports at 908,035*l.* In 1893 the imports amounted to 1,146,759*l.*, and were distributed as follows :—From foreign countries, 666,427*l.* ; German coast, 228,016*l.* ; Sultan's dominions, 185,483*l.* ; Imperial British East Africa Company's territory, 52,250*l.* ; Benadir Ports, 14,581*l.* Among European countries Great Britain is first with 93,793*l.* The exports in 1893 amounted to 1,002,035*l.*, the chief articles exported being cloves, 138,597*l.* ; ivory, 110,611*l.* ; copra, 85,696*l.* ; rubber, 26,321 ; gums, 17,084*l.* ; chillies, 8,365*l.* ; hides, 5,223*l.* In the year 1893, 129 vessels (other than coasting vessels and men-of-war) entered the port of Zanzibar. These included 45 vessels of 58,483 tons British, 37 of 59,525 tons German, 27 of 45,480 tons French.

There is a special coinage issued under the Sultan's authority, of which the Maria Theresa dollar is the unit ; but the British Indian rupee is the coin now universally current, though in all business transactions the dollar is the standard of value. The dollar has a fixed value of 2 rupees 2 annas, and the rupee is worth 47 cents.

*British Agent and Consul-General.*—A. H. Hardinge.

*Consul.*—E. J. L. Berkeley.

*Consul and Judge.*—Walter B. Cracknall.

*Vice-Consuls.*—H. W. de Sausmarez, V. K. Kestell-Cornish, Arthur C. W. Jenner.

*Vice-Consul at Pemba.*—D. R. O'Sullivan.

## Books of Reference concerning Zanzibar and the Mainland.

### 1. OFFICIAL PUBLICATIONS.

Anti-Slavery Decree by Sultan of Zanzibar. Africa, No. 1 of 1890-91.

Hertslet's Treaties.

Correspondence relating to Zanzibar. London, 1886.

Further Correspondence relating to Zanzibar. London, 1887 and 1888.

Reports on the Slave Trade of the East Coast of Africa (Africa, No. 7), 1887-88 and Africa, No. 6 of 1890-91.

Correspondence respecting Germany and Zanzibar. 1888 and 1889.

Correspondence respecting the Anglo-German Agreement relating to Africa and Heligoland. London, 1890.

The German White Books.

Report on the Trade of Zanzibar in Foreign Office Report, No. 1,382. Annual Series. London, 1894.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions, for 1893. London, 1894.

East Africa Pilot.

## 2. NON-OFFICIAL PUBLICATIONS.

*Burton* (Sir R. F.), Zanzibar, City, Island, and Coast. 2 vols. 8. London, 1872.

*Elton* (J. F.), Travels and Researches among the Lakes and Mountains of Eastern and Central Africa. 8. London, 1879.

*Fischer* (G. A.), Mehr Licht im dunkeln Weltteil. Hamburg, 1885.

*Johnston* (H. H.), Kilimanjaro. London, 1885.

*Kellie* (J. Scott), The Partition of Africa. 2nd ed. London, 1895.

*Krapf* (J. L.), Travels during an Eighteen Years' Residence in East Africa. London, 1860.

*Lugard* (Capt. F. D.), The Rise of our East African Empire. 2 vols. London, 1893.

*McDermott* (P. L.), British East Africa, London, 1893.

*Meyer* (Hans), Across East African Glaciers. [Translation contains Bibliography on this subject.] 8. London, 1891.

*Peters* (Dr.), New Light on Dark Africa. [Narrative of the German Emin Pasha Expedition.] 8. London, 1891.

*Reclus* (E.), Géographie Universelle. Vol. XIII. Paris, 1888

*Schmidt* (K. W.), Sansibar. Leipzig, 1888.

*Stanley* (H. M.), Through the Dark Continent. 2 vols. London, 1878.

*Thomson* (Joseph), To the Central African Lakes and Back. 2 vols. London, 1881.

*Thomson* (Joseph), Through Masai Land. London, 1885.

*White* (A. Silva), The Development of Africa. London, 1890.

*Wilson* (Rev. C. T.) and *Felkin* (R. W.), Uganda and the Egyptian Soudan. 2 vols. London, 1882.

## ZULULAND.

A BRITISH protectorate administered by the Governor of Natal, who is also Governor of Zululand. It lies on the coast to the north of Natal, from which it is divided by the river Tugela. It is bounded on the north and north-west by Tongoland and the South African Republic. It comprises the territory formerly known as the Zulu Reserve, almost two-thirds of the territory restored to Cetewayo and Usibebu in 1883, and St. Lucia Bay. It was formally declared British territory in May 1887. Area, probably a little over 12,500 square miles; population, 1893, about 163,447 natives and 857 whites. The territory is administered by a Resident Commissioner residing at Eshowe, under the Governor, but native law exists as between natives. There are 8 magisterial districts, 40 mission stations, 33 native schools. There is a police force of 250 non-commissioned officers and men, under a European commandant and 4 sub-inspectors. A hut tax of 14s. per annum is levied on the natives. Agriculture and cattle-raising are carried on by the natives. The grain products are consumed in the territory, and there are no exports. When money is scarce, cattle and grain are bartered by the natives for food and cotton goods, hardware, &c. Gold, silver, lead, copper, tin, iron, asbestos, coal are found, but none of them except gold has been worked. A telegraph line joins Eshowe to Natal, and there is a daily post. There is a main road through the territory, with branch roads. Revenue (1893), 43,666*l.*, (1892), 42,432*l.*; expenditure, 38,854*l.* 16*s.* 10*d.*, (1892), 33,953*l.*

*Governor*.—Sir Walter Hely-Hutchinson, K. C. M. G.

*Resident Commissioner and Chief Magistrate*.—Sir Marshal Clarke, K. C. M. G.

*Government Secretary*.—William Windham.

## Books of Reference.

Colonial Reports. Annual. London.

*Noble* (J.), Illustrated Handbook for the Cape and South Africa. 8. London, 1893.

*Tyler* (J.), Forty Years in Zululand. (Missionary work.) 8. Boston, 1891.

## AMERICA.

Antigua, Bahamas, Barbados. See WEST INDIES.

## BERMUDAS.

*Governor.*—Lieut.-Gen. Thos. Casey Lyons, C.B. (2,946*l.*), assisted by an Executive Council of 6 members appointed by the Crown, a Legislative Council of 9 members, also appointed by the Crown, and a representative House of Assembly of 36 members; 1,167 electors.

A Colony, with representative government, consisting of a group of 360 small islands (18 to 20 inhabited), 580 miles east of North Carolina, and 677 miles from New York, noted for their climate and scenery; favourite winter resort for Americans.

Area, 20 square miles (12,000 acres, 4,000 under cultivation). Population in 1893, 15,519 (including 5,916 whites); 10,627 belong to Church of England. In 1893 591 births (67 illegitimate), 101 marriages, 821 deaths. Education: 47 schools, with 1,400 pupils, 23 of the schools receiving Government grants, 1,650*l.* annually. In 1893 270 persons summarily convicted, and 10 sentenced by superior court. Chief town Hamilton, 1,296 population. Average strength of Imperial forces, 2,913.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Revenue . . .	29,938	32,394	33,531	33,955	34,893
Expenditure . .	30,089	30,270	32,029	31,643	33,713

Customs revenue (1893), 27,820*l.* For 1894-95 the estimated revenue is 33,453*l.*, and expenditure 32,430*l.* Chief source of revenue: customs, 27,701*l.* in 1894-95. Chief items of expenditure: salaries, public works, ecclesiastical, education. Contribution by Home Government, 2,200*l.* Public debt (1893), 17,600*l.*

Savings bank deposits, 16,927*l.*

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Exports . . .	64,976	137,526	129,803	115,455	129,069
Imports . . .	272,603	308,016	325,976	329,283	327,580

Imports subject to duty, 309,749*l.*; duty free, 17,831*l.* Imports from Great Britain, according to the Colonial Blue Book, in 1893, 86,601*l.*, and exports to the same, 1,639*l.*

Food supplies are mostly imported from the United States and Canada, and nearly all the export produce of Bermuda goes to those two countries. In 1893 onions exported, 62,138*l.*; lily bulbs, 22,138*l.*; potatoes, 28,705*l.*

The registered shipping consisted (1893) of 2 steam vessels of 651 tons net, and 24 sailing vessels of 5,534 tons net; total net tonnage, 6,185.

In 1893 the total tonnage of vessels entered and cleared was 351,013, of which 312,524 were British. There are 32 miles of telegraph wire, and 15 of cable; in 1892 the number of messages sent was 17,489. There is also a private telephone company, which has about 225 subscribers and upwards of

700 miles of wire in line. A telegraph cable connecting the islands with Halifax, Nova Scotia, was successfully laid in July 1890.

The currency, weights, and measures are British.

REFERENCES: Bermuda in Colonial Reports. Annual. London.  
*Heilprin* (A.), Bermuda Islands. 8. Philadelphia, 1889.

## CANADA.

(DOMINION OF CANADA.)

### Constitution and Government.

As originally constituted the Dominion of Canada was composed of the Provinces of Canada—Upper and Lower—Nova Scotia, and New Brunswick. They were united under the provisions of an Act of the Imperial Parliament passed in March 1867, known as ‘The British North America Act 1867,’ which came into operation on the 1st July, 1867, by royal proclamation. The Act provides that the Constitution of the Dominion shall be ‘similar in principle to that of the United Kingdom;’ that the executive authority shall be vested in the Sovereign of Great Britain and Ireland, and carried on in her name by a Governor-General and Privy Council; and that the legislative power shall be exercised by a Parliament of two Houses, called the ‘Senate’ and the ‘House of Commons.’ Provision was made in the Act for the admission of British Columbia, Prince Edward Island, the North-West Territories, and Newfoundland into the Dominion; Newfoundland alone has not availed itself of such provision, being still a self-governing Crown colony. In 1869 the extensive region known as the North-West Territories was added to the Dominion by purchase from the Hudson’s Bay Company; the province of Manitoba was set apart out of a portion of it, and admitted into the confederation of 15th July, 1870. On 20th July, 1871, the province of British Columbia, and on the 1st July, 1873, the province of Prince Edward Island, respectively entered the confederation.

The members of the Senate of the Parliament of the Dominion are nominated for life, by summons of the Governor-General under the Great Seal of Canada. By the terms of the Constitution, there are now 81 senators—namely, 24 from the Province of Ontario, 24 from Quebec, 10 from Nova Scotia, 10 from New Brunswick, 4 from Manitoba, 3 from British Columbia, 4 from Prince Edward Island, and 2 from the Territories. Each



senator must be 30 years of age, a born or naturalised subject, and reside in and be possessed of property, real or personal, of the value of 4,000 dollars, in the province for which he is appointed. The House of Commons of the Dominion is elected by the people, for five years, unless sooner dissolved, at the rate at present of one representative for every 20,000, the arrangement being that the province of Quebec shall always have 65 members, and the other provinces proportionally, according to their populations at each decennial census. At present on the basis of the census returns for Manitoba of 1886, for the North-West Territories of 1885, and for the rest of the Dominion of 1881, the House of Commons consists of 215 members—namely, 92 for Ontario, 65 for Quebec, 21 for Nova Scotia, 16 for New Brunswick, 5 for Manitoba, 6 for British Columbia, 6 for Prince Edward Island, and 4 for the North-West Territories. On the basis, however, of the census of the Dominion taken in April 1891, and in accordance with a redistribution bill passed during the last session of Parliament, the House of Commons will, after the next General Election, consist of 213 members—92 for Ontario, 65 for Quebec, 20 for Nova Scotia, 14 for New Brunswick, 7 for Manitoba, 6 for British Columbia, 5 for Prince Edward Island, and 4 for the North-West Territories. The ratio of members to population will then be 1 in 22,688.

The members of the House of Commons are elected by constituencies, with a uniform franchise for the whole Dominions except in the North-West Territories, where every male resident, for 12 months, 21 years of age, and not an alien or Indian, is entitled to vote. In the rest of the Dominion, a vote is given to every male subject of the full age of 21 years, being the owner, tenant, or occupier of real property of the actual value in cities of 300 dollars, in towns of 200 dollars, and elsewhere of 150 dollars; or of the yearly value, wherever situate, of not less than 2 dollars per month, 6 dollars per quarter, 12 dollars half-yearly, or 20 dollars per annum; or is resident in any electoral district with an income from earnings or investments of not less than 300 dollars per annum; or is the son of a farmer or any other owner of real property which is of sufficient value to qualify both father and such son; or is a fisherman, and owner of real property, which, with boats, nets, and fishing tackle, amounts to 150 dollars actual value. The qualifications for voting at provincial elections vary in the several provinces. Voting is by ballot, except in the territories.

The Speaker of the House of Commons has a salary of 4,000 dollars per annum, and each member an allowance of 10 dollars

per diem, up to the end of 30 days, and for a session lasting longer than this period the sum of 1,000 dollars; with, in every case, 10 cents per mile for travelling expenses. The sum of 8 dollars per diem is deducted for every day's absence of a member, unless the same is caused by illness. There is the same allowance for the members of the Senate of the Dominion.

*Governor-General.*—The Right Honourable the *Earl of Aberdeen*, born 1847; succeeded to the title 1870; H.M. High Commissioner to the General Assembly of the Church of Scotland, 1881–86; Lord Lieutenant of Ireland, February to August, 1886. Appointed Governor-General of Canada, 1893; assumed office, September, 1893.

The Governor-General has a salary of 10,000*l.* per annum. He is assisted in his functions, under the provisions of the Act of 1867, by a Council, composed of 13 heads of departments.

*Queen's Privy Council.*—The present Council consists of the following members:—

1. Premier and President of the Council.—Hon. Sir Mackenzie *Bowell*, K.C.M.G., born in Suffolk, England, 1823; entered Parliament 1867, and became Minister of Customs 1878; appointed Minister of Militia and Defence 1892, and in December of the same year accepted the newly-created appointment of Minister of Trade and Commerce; became Premier on the death of Sir J. Thompson, 1894.

2. Postmaster-General.—Hon. Sir A. P. *Caron*, K.C.M.G.

3. Minister of Marine and Fisheries.—Hon. John *Costigan*.

4. Minister of Finance.—Hon. G. E. *Foster*.

5. Minister of Justice.—Hon. Sir C. H. *Tupper*, K.C.M.G.

6. Minister of Railways and Canals.—Hon. John G. *Haggart*.

7. Minister of Public Works.—Hon. Joseph A. *Ouimet* (Speaker, 1887–1891).

8. Minister of Militia and Defence.—Hon. J. C. *Patterson*.

9. Minister of the Interior.—Hon. T. M. *Daly*, Q.C.

10. Minister of Agriculture.—Hon. A. R. *Angers*.

11. Minister of Trade and Commerce.—Hon. W. B. *Ives*.

12. Secretary of State.—Hon. A. R. *Dickey*.

Without Portfolio { Hon. Sir Frank S. *Smith*, Kt.; Hon. W. H. *Montague*; Hon. Donald *Ferguson*.

Each of the ministers has a salary, fixed by statute, of 7,000 dollars, or 1,400*l.* a year, with the exception of the recognised Prime Minister, who has 8,000 dollars, or 1,600*l.* per annum. The body of ministers is officially known as the 'Queen's Privy Council for the Dominion of Canada.'

#### PROVINCIAL GOVERNMENT.

The seven provinces forming the Dominion have each a separate parliament and administration, with a Lieutenant-Governor at the head of the executive. They have full powers to regulate their own local affairs and dispose of their revenues, provided only they do not interfere with the action and policy of the central administration. The Lieutenant-Governors are appointed by the Governor-General. Quebec and Nova Scotia have each two Chambers (a Legislative Council and a Legislative Assembly) and a responsible Ministry. In New Brunswick, Ontario, Manitoba, British Columbia, and

Prince Edward Island there is only one Chamber (the Legislative Assembly) and a responsible Ministry. The members of the Legislative Council of Nova Scotia number 21, and Quebec 24. The Nova Scotia Government has promised a bill to that effect at the next session.) The membership of the Legislative Assemblies are—Prince Edward Island 30, Nova Scotia 38, New Brunswick 41, Quebec 73, Ontario 94, Manitoba 40, British Columbia, 33 ; and the North-West Territories, 26. The North-West Territories are presided over by a Lieutenant-Governor and a Legislative Assembly, consisting of 26 elected members. The Advisory Council (or Executive) consists of the Lieutenant-Governor and 4 members elected by the Assembly.

### Area and Population.

The population of Canada in the year 1800 was estimated at 240,000 ; it has increased as follows :—

Year	Population	Year	Population
1825	581,920	1871	3,635,024
1851	1,842,265	1881	4,324,810
1861	3,090,561	1891	4,833,239

The following are the areas of the provinces with the population at the censuses of 1881 and 1891 :—

Province	Square Miles	Total Population, 1881	Total Population, 1891	Density per sq. mile 1891	Increase per cent. 1871-81	Increase per cent. 1881-91
Prince Edward Island . . . . .	2,000	108,891	109,078	54	15·8	0·17
Nova Scotia . . . . .	20,550	440,572	450,396	22	13·6	2·22
New Brunswick . . . . .	28,100	321,233	321,263	11	12·4	0·00
Quebec . . . . .	227,500	1,359,027	1,488,535	6·5	14·0	9·53
Ontario . . . . .	219,650	1,923,228	2,114,321	10	18·6	9·93
Manitoba . . . . .	64,066	65,954	152,506	2·4	247·2	144·95
British Columbia . . . . .	382,300	49,459	98,173	0·3	36·4	98·49
Territories and Arctic Islands . . . . .	2,371,481	56,446	98,967	0·04	—	75·33
<b>Total . . . . .</b>	<b>3,315,647</b>	<b>4,324,810</b>	<b>4,833,239</b>	<b>1·5</b>	<b>18·97</b>	<b>11·74</b>

To the above area should be added 140,736 square miles for lakes, rivers, &c., giving a total area of 3,456,383 square miles.

In 1891 there were 2,460,471 males and 2,372,768 females.

A portion of the North-Western Territories was in 1882 divided into four districts—Assiniboia, 89,535 square miles ; Saskatchewan, 107,092 sq. m. ; Alberta, 106,100 sq. m. ; and Athabasca, 104,500 sq. m. By the census of the first three districts taken in 1891, there was found to be a total population of 66,799.

The district of Keewatin, between Manitoba and Ontario, and stretching north to Hudson's Bay, was created in 1876 out of the Territories, and erected into a separate government under the Lieutenant-Governor of Manitoba ; a portion of Manitoba was added in October 1883, and it has now an area of about 282,000 square miles.

Eighty-six per cent. of the population of the Dominion consisted, at the census of 1891, of natives of British North America. These numbered 4,185,877, of whom 1,708,702 were natives of Ontario ; 1,406,514 of Quebec ; 423,890 of Nova Scotia ; 299,154 of New Brunswick ; 108,017 of Manitoba ; 56,851

of British Columbia ; 102,652 natives of Prince Edward Island ; and 80,097 of the Territories. Of those born out of the country, the most numerous, at the census of 1891, were 475,456 natives of the United Kingdom ; 13,776 were born in other parts of the Empire, making 490,232 British born—80,915 were born in the United States, 27,752 in Germany, 9,222 in Russia, 7,827 in Scandinavia, 5,381 in France, 2,964 in Italy, Spain, and Portugal, 9,129 in China, and 13,940 in other countries. English-speaking persons numbered 3,428,265, and French-speaking, 1,404,974. According to an official report for 1892, there were 109,205 Indians in Canada at that date.

The census population of the principal cities of the Dominion was as follows in 1891 :—

Ontario . . .	$\left\{ \begin{array}{l} \text{Toronto} \quad 181,220 \\ \text{Hamilton} \quad 48,980 \\ \text{Ottawa} \quad 44,150 \\ \text{London} \quad 31,980 \end{array} \right.$	$\left\{ \begin{array}{l} \text{Quebec} \quad . \quad . \\ \text{Nova Scotia} \quad . \\ \text{New Brunswick} \\ \text{Manitoba} \quad . \end{array} \right.$	$\left\{ \begin{array}{l} \text{Montreal} \quad 216,650 \\ \text{Quebec} \quad 63,090 \\ \text{Halifax} \quad 38,556 \\ \text{St. John} \quad 39,179 \\ \text{Winnipeg} \quad 25,642 \end{array} \right.$				
				British Columbia . . .	$\left\{ \begin{array}{l} \text{Victoria} \quad 16,841 \\ \text{Vancouver} \quad 13,685 \end{array} \right.$		

There are no vital statistics for the Dominion as a whole, mortuary statistics being collected at only a few places ; it is therefore impossible to say what is the rate of natural increase of the population. The death rate per 1,000 was as follows in 1891 in the towns named :—Montreal, 28·11 ; Toronto, 15·61 ; Quebec, 41·11 ; Hamilton, 16·23 ; Halifax, 20·51 ; Ottawa, 21·35 ; St. John, N.B., 19·75 ; Winnipeg, 14·66 ; Victoria, B.C., 19·35.

Immigration into Canada during 1893 was generally satisfactory, although checked by the unfavourable financial conditions which reduced immigration into America generally. As it has been found impossible to collect reliable figures of emigration, the system has been discontinued, and no returns are published. A tax of 50 dollars a head is levied on all Chinamen landing at Vancouver, but the number of Chinese immigrants is largely on the increase.

### Religion.

There is no State Church in the whole of British North America. The Church of England is governed by twenty bishops, with about 1,000 clergy ; the Roman Catholic Church by one cardinal, six archbishops, twenty-three bishops, and about 1,500 clergy ; and the Presbyterian Church in Canada, with about 1,000 ministers—formed in 1875 by the union of two formerly distinct bodies—by presbyteries, synods, and an annual assembly as in the Scotch Church, with 2,358 churches and stations. The Methodists have 1,700 and the Baptists about 500 ministers. All these bodies have one or more divinity schools. The number of members of each religious creed in the Dominion was as follows at the census of April 6, 1891 :—

Roman Catholics . . .	1,992,017	Congregationalists . . .	28,157
Presbyterians . . .	755,326	Miscellaneous creeds. . .	108,013
Anglicans . . .	646,059	No creed stated . . .	189,355
Methodists . . .	847,765		
Baptists . . .	302,565	Total . . .	4,833,239
Lutherans . . .	63,982		

<sup>1</sup> Including Pagans

The following shows the numbers of the leading denominations in the several provinces according to the census of 1891 :—

Province	Roman Catholic	Church of England	Presbyterian	Methodist	Baptist
Ontario . . . . .	358,300	385,999	453,147	654,033	104,838
Quebec . . . . .	1,291,709	75,472	52,673	39,519	7,991
Nova Scotia . . . . .	122,452	64,410	108,952	54,195	83,108
New Brunswick . . . . .	115,961	43,095	40,639	35,504	79,634
Manitoba . . . . .	20,571	30,852	39,001	28,437	16,107
British Columbia . . . . .	20,367	23,619	15,284	14,298	3,090
Prince Edward Island . . . . .	47,837	6,646	33,072	13,596	6,261
The Territories . . . . .	13,008	14,166	12,507	7,980	1,546

### Instruction.

Except in British Columbia, all the provinces of the Dominion have one or more universities, and several colleges which prepare for university degrees. There are in all about 16 degree-granting bodies in the Dominion, with about 24 colleges, including denominational, medical, and other special institutions. From special official statistics of these institutions it may be estimated that they are attended by about 9,000 students, and their total annual expenditure is upwards of 700,000 dollars, while the estimated value of their endowments, building land, &c., is over 12,000,000 dollars.

The following table gives some information respecting the public, high, and superior schools in the Dominion, the pupils attending them and the amount expended for education:—

Provinces	Year Ended	Schools	Teachers	Pupils	Expenditure
					Dollars
Ontario . . . . .	Dec. 31, 1891	6,015	8,854	515,298	4,076,241
Quebec . . . . .	June 30, 1893	5,600	9,297	268,275	1,399,045
Nova Scotia . . . . .	Oct. 31, 1892	2,302	2,413	89,010	746,575
New Brunswick . . . . .	Dec. 31, 1892	1,599	1,735	61,738	410,717
Manitoba . . . . .	Dec. 31, 1892	676	902	24,245	636,592
British Columbia . . . . .	June 30, 1892	149	228	10,773	207,820
P. E. Island . . . . .	June 30, 1892	437	523	22,169	151,112
The Territories . . . . .	June 30, 1892	279	—	7,789	121,057
Total . . . . .	—	17,057	23,952	999,297	7,749,159

The number of public schools included in the table was 16,154, with 18,973 teachers and 889,340 pupils, their average attendance being 508,414. If the number of those attending the universities and private schools were added to the above figures, the total number of pupils would be considerably over one million. The expenditure for the year on public and high schools, including Government grants, was over 10,000,000 dollars. The supervision of education is under the control of the Governments of the several provinces, and the systems in use vary somewhat, but are all based on the principle of free education, the funds being supplied by Government grants and local taxation. In British Columbia and the North-West Territories the schools are supported wholly by Government. Education is more or less compulsory in all the provinces, except New Brunswick, but the law is

not very strictly enforced. In Ontario, Quebec, and the North-West Territories there are separate schools for Roman Catholics; in the other provinces the schools are unsectarian. Separate schools in Manitoba were abolished by a Provincial Act passed in 1890.

### Justice and Crime.

There is a Supreme Court in Ottawa, having appellate, civil, and criminal jurisdiction in and throughout Canada. There is also an exchequer court, which is also a colonial court of admiralty, with powers as provided in the Imperial "Colonial Courts of Admiralty Act, 1890." There is a Superior Court in each province; county courts, with limited jurisdiction, in most of the provinces; all the judges in these courts being appointed by the Governor-General. Police magistrates and justices of the peace are appointed by the Provincial Governments.

In 1893, 6,766 persons were charged with indictable offences; of these 4,630 were convicted, 6 being sentenced to death, 412 sent to the penitentiary, and the rest sentenced to various terms of imprisonment; and 31,023 were summarily convicted, 27,150 with the option of a fine.

### Finance.

The financial accounts of the Dominion of Canada are made up under three different headings—namely, first, 'Consolidated Fund,' comprising the general sources of revenue and branches of expenditure; secondly, 'Loans' in revenue, and 'Redemption' with 'Premiums and Discounts' in expenditure; and thirdly, 'Open Accounts.' The headings 'Loans' and 'Redemption' include the deposits in and withdrawals from the Post Office and Government Savings Banks, the amount on deposit forming part of the floating or unfunded debt of the country. Under the head of 'Open Accounts' are included investments, trust funds, Province accounts, and expenditure on capital account on public works.

The revenue and expenditure, Consolidated Fund, for five years have been:—

Year	Revenue	Expenditure
	Dollars	Dollars
1889	38,782,870	36,917,835
1890	39,879,925	35,994,031
1891	38,579,311	36,343,568
1892	36,921,872	36,765,894
1893	38,168,609	36,814,053

The total actual receipts and expenditure, under these three divisions, were as follows in the financial year ending June 30, 1893:—

RECEIPTS.		EXPENDITURE.	
	Dollars		Dollars
Consolidated Fund . . . . .	38,168,609	Consolidated Fund . . . . .	36,814,053
Loans . . . . .	6,684,547	Redemption . . . . .	2,237,964
Open Accounts . . . . .	3,155,292	Open Accounts . . . . .	8,956,431
Total . . . . .	48,008,448	Total . . . . .	48,008,448

The actual sources of revenue and branches of expenditure comprised

under the division called Consolidated Fund were as follows in the financial year ending June 30, 1892 :—

## CONSOLIDATED FUND, 1892-93.

REVENUE		EXPENDITURE.	
	Dollars		Dollars
Customs . . . . .	20,954,003	Interest on Public Debt . . . . .	9,806,888
Excise . . . . .	8,367,364	Charges of Management, and Premium, Discount, and Exchange . . . . .	213,794
Lands . . . . .	319,375	Sinking Fund . . . . .	2,095,514
Public Works . . . . .	3,761,474	Subsidies to Provinces . . . . .	3,935,765
Post Office . . . . .	2,773,508	Legislation and Civil Government . . . . .	2,234,802
Fees, Fines, and Forfeitures (including Seizures) . . . . .	183,427	Public Works . . . . .	2,165,471
Militia . . . . .	18,659	Penitentiaries . . . . .	346,354
Weights and Measures . . . . .	39,204	Administration of Justice . . . . .	736,457
Premium, Discount, and Exchange . . . . .	126,926	Geological Survey and Observatories . . . . .	124,512
Interest on Investments . . . . .	1,150,166	Arts, Agriculture, and Statistics . . . . .	286,553
Fisheries . . . . .	98,615	Ocean and River Steam Service (including Mail Subsidies, &c.) . . . . .	607,288
Penitentiaries . . . . .	10,321	Militia and Defence . . . . .	1,419,746
Superannuation . . . . .	64,433	Mounted Police N. W. T. . . . .	615,479
Dominion Steamers and Lighthouse and Coast Service . . . . .	15,996	Superannuation and Pensions . . . . .	354,016
Mariners' Fund . . . . .	46,200	Lighthouses and Coast Service . . . . .	503,012
Steamboat Inspection . . . . .	25,284	Fisheries . . . . .	482,381
Various . . . . .	213,644	Indians (Leg. Grants) . . . . .	956,552
		Immigration and Quarantine . . . . .	282,632
		Charges on Revenue . . . . .	8,993,925
		Gov. of N. W. Ter. . . . .	276,446
		Miscellaneous . . . . .	376,496
Total . . . . .	38,168,609	Total . . . . .	36,814,053

It will be seen that more than half the revenue is derived from Customs duties, the tariffs on imports extending to a great many articles, and in many cases being very high.

The estimated expenditure for 1893 was placed at 36,650,000 dollars, and the revenue at 36,655,000 dollars; while the actual figures were: Revenue, 36,921,872 dollars; and expenditure, 36,765,894 dollars, showing a surplus of 155,978 dollars.

The revenue for the financial year ended 30th June, 1894, is expected to amount to 37,000,000 dollars, and the expenditure to 36,500,000 dollars. The estimated figures for 1893-94 are about the same.

The public debt of the Dominion, incurred chiefly on account of public works, and the interest of which forms the largest branch of the expenditure was as follows on July 1, 1893 :—

	Dollars
Without Interest . . . . .	19,310,137
At 3 per cent. „ . . . .	35,353,217
„ 3½ „ „ . . . . .	69,032,049
„ 4 „ „ . . . . .	149,583,742
„ 5 „ „ . . . . .	24,926,313
„ 6 „ „ . . . . .	1,858,067
Total Debt . . . . .	300,063,525

There are assets which make the net debt 241,681,040 dollars. A 3 per cent. loan for £2,250,000 (10,950,000 dollars) was floated in London in June, 1892. The minimum was £91, and the average price realised was £92 0s. 10½d. The following shows the gross and net debts in the years specified:—

	Gross	Net
	Dollars	Dollars
1889 . . . . .	287,722,063	237,530,042
1890 . . . . .	286,112,295	237,533,212
1891 . . . . .	289,899,229	237,787,540
1892 . . . . .	295,333,274	241,131,434
1893 . . . . .	300,054,525	241,681,040

The total burden of the debt, after deducting assets, is 10*l.* 0*s.* 10*d.* per head, and of the annual charge for interest and management 8*s.* 6½*d.* The total exports per head in 1893 amounted to 5*l.* 1*s.* 1½*d.*, and the proceeds of less than three years' exports would pay off the debt. The expenditure on canals and railways alone by the Government amounted to over 31 millions sterling up to 1893. At the census of 1891 it was found that the value of the capital invested in manufacturing industries of various kinds was 72 millions sterling, and the annual value of the products 97 millions.

#### PROVINCIAL REVENUES, EXPENDITURES, AND DEBTS, 1892.

Province	Revenue	Expenditure	Net Debt
	Dollars	Dollars	Dollars
Ontario . . . . .	4,662,922	4,068,257	—
Quebec . . . . .	3,458,404	4,446,640	14,672,169
Nova Scotia . . . . .	769,976	822,462	1,673,511
New Brunswick . . . . .	652,669	676,483	2,183,564
Manitoba . . . . .	605,288	1,000,345	—
British Columbia . . . . .	1,020,002	1,430,920	1,694,722
Prince Edward Island . . . . .	245,652	259,012	185,000

#### Defence.

The Great Lakes and the St. Lawrence form a barrier between Central Canada and the United States, but the eastern provinces and Western Canada have neither natural barriers nor fortifications. With the exception of Halifax, and a small fort at St. John, New Brunswick, there are practically no fortifications in Canada. Arrangements, however, are now being made between the Imperial and Canadian Governments for the erection of fortifications at Esquimalt on the Pacific coast, which will be garrisoned by Imperial troops.

In addition to the troops maintained by the Imperial Government—the strength of which was reduced, in the year 1871, to 2,000 men, forming the garrison of the fortress of Halifax, considered an 'Imperial Station'—Canada has a large militia force. By the terms of the Act passed in March 1868 the militia consists of all male British subjects between 18 and 60,



who may be called out to serve in four classes—namely first class, 18 to 30, unmarried; 2nd, from 30 to 45, unmarried; 3rd, 18 to 45, married; 4th, 45 to 60. The militia is divided into an active and a reserve force. The active includes the land and marine militia. The active militia consists of those who voluntarily enlist, or of men balloted, or in part of both. The marine militia is made up of persons whose usual occupation is on sailing or steam craft navigating the waters of the Dominion. The active militia serve for three years. The city corps are trained for 12 days annually at their headquarters, and the rural corps for the same period biennially in camps of exercise in their respective districts. The reserve militia consists of the whole of the men between the ages of 18 and 60 not serving in the active militia of the time being, with certain exemptions. The number of men to be drilled annually is limited to 45,000 and the period of drill to 16 days every year. The establishment of the active militia for the year 1893-4 amounted to 33,960 officers and men, comprising 9 regiments, 1 squadron, 3 troops of cavalry; 1 brigade, 15 batteries of field artillery; 5 battalions, 9 companies of garrison artillery; 2 companies of engineers; and 92 battalions, 6 companies of infantry. The permanent corps, combined with which are schools of instruction, consist of the Royal Canadian Dragoons (2 troops), Royal Canadian Artillery (3 batteries), and the Royal Canadian Regiment of Infantry (4 companies). The establishment is 1,010 of all ranks. There is also a Royal Military College at Kingston, founded in 1875. The officer commanding the militia is appointed for five years, and during appointment holds the rank of major-gen. in the militia; he must be on the active service list of the Imperial army, and of not lower rank than colonel in the same. The Dominion is divided into twelve military districts, as follows—viz. Ontario into four, Quebec three, Nova Scotia one, New Brunswick one, Manitoba, the Territories, and Keewatin one, Prince Edward Island one, and British Columbia one, each district being commanded by a Deputy Adjutant-General, whose appointment is permanent. A small-arms ammunition factory is in operation in Quebec. There is at present no active marine militia, the naval defences of the country being the care of the Imperial authorities. According to the Navy List twelve ships are on the North America and West India Stations besides eight others on the Pacific Station.

### Production and Industry.

*Agriculture.*—Of the total area of Canada in 1891, there were 28,537,242 acres of improved land out of 60,287,730 acres of occupied land. Of the improved lands, 19,904,826 acres were under crop, being 4,792,542 acres more than were under crop in 1881. The acreage under pasture in 1891 was 15,284,788 acres, an increase of 8,899,226 acres since 1881. The acreage under wheat in 1891 was 2,723,861 acres, an increase of 381,506 acres in ten years. The average yield of 1891 per acre was 15.4 bushels, an increase of 1.6 bushels per acre over the yield of 1881. In 1893 Canada supplied Great Britain with 53 per cent. of all her imported cheese. There is a central experimental farm near Ottawa, and others in several of the provinces. In 1893 there were 142 ranches in the N.-W. Territories, and over 375,000 head of live stock, as compared with 18,763 head in 1881.

The timber wealth of Canada is very large, and timbering one of its most important industries. The forest products of 1891 were valued at 80,071,415 dollars, of which 27,207,547 dollars were exported. The census returns show an aggregate of 2,045,073,072 cubic feet as the total cut of the year.

*Fisheries.*—The total value of the produce of the fisheries of Canada in 1892 was 18,941,171 dollars; in 1893, 20,686,661 dollars, of which last amount 8,743,050 dollars' worth was exported. The values of the principal

catches in 1893 were: cod, 4,019,193 dollars; salmon, 3,891,444 dollars; herring, 1,852,891 dollars; lobsters, 2,484,568 dollars, and mackerel, 1,096,066 dollars. In 1893, according to provinces, the chief values were: Nova Scotia, 6,407,280 dollars; British Columbia, 4,443,963; New Brunswick, 3,746,121; Quebec, 2,218,905.

*Mining.*—Nova Scotia, British Columbia, Quebec, N. and W. Ontario, and part of the N.-W. Territories, are the chief mining districts of Canada. The total value of the mineral produce of Canada in 1892 was 19,500,000 dollars, and in 1893, 19,350,712 dollars. The principal product is coal, of which in 1892, 3,300,897 tons were raised, valued at 7,182,000 dollars; in 1893, 3,719,170 tons, valued at 8,422,259 dollars. Among the other minerals produced in 1893 were gold, 927,244 dollars; nickel, 2,076,351 dollars; asbestos, 313,806 dollars; petroleum, 834,334 dollars; copper, 875,864 dollars; silver, 321,423 dollars. Pig iron was produced to the value of 790,283 dollars. This latter must be added to the total 19,350,712 dollars given above, to make the comparison with former years accurate. It is estimated that the coal-bearing area of the N.-W. Territories extends over 65,000 square miles. Over 2,700,000 dollars' worth of nickel matte was exported in 1891, and 3,513,340 dollars' worth was produced in 1892.

### Commerce.

The following statement gives the total value<sup>1</sup> of exports and of imports, and the total value of imports entered for home consumption in the Dominion, in each of the years named:—

Year ended June 30	Total Exports	Total Imports	Imports for Home Consumption
	Dollars	Dollars	Dollars
1879	71,491,225	81,964,427	80,341,608
1889	89,189,167	115,224,931	109,673,447
1890	96,749,149	121,858,241	112,765,584
1891	98,417,296	119,967,638	113,345,124
1892	113,963,375	127,406,068	116,978,943
1893	118,564,352	129,074,268	121,705,080

<sup>1</sup> The returns of values of imports and exports are those supplied in entries at the Customs, where imports must be entered for duty at their fair market value as for home consumption in the country of purchase. Quantities are ascertained from invoices and by examination, wines are gauged and spirits tested. The country of origin of imports is the country of purchase or whence shipment was made to Canada; the country of destination is that to which shipment is made. Thus, Canadian wheat, purchased by New York dealers, shipped to and entered in bond at New York, and thence exported to Great Britain, would appear only as exported from Canada to the United States. The only Canadian port where transit trade is recorded is Montreal, such trade comprising chiefly goods received from the United States and transhipped to other countries by the St. Lawrence route. Transit trade is not included in the general trade, which comprises all other imports into and exports from Canada. The term "special trade," in Canada, is applied to imports from Newfoundland which are exempt from duties leviable on similar goods from other countries.

The accuracy of the statistical results may at times be affected by fraudulent misdescription or undervaluation by importers, and by the adoption of "sight entries" which, under the Customs Act, may be passed when importers declare on oath that, for want of full information, they cannot make a perfect entry. In such circumstances the goods may be landed, examined, and (a sum being deposited sufficient, in the collector's opinion, to pay the duty) delivered to the importer. A time is fixed within which a perfect entry should be made, but when this time has elapsed the deposit is held as payment of the duty, and the provisional valuation, which may be only approximate, is not corrected. Statistics of exports may be affected in two ways: large quantities of goods are shipped at remote points where no officer is stationed, and the prescribed entry outwards is not unfrequently neglected, while, on the other hand, it may happen, by the mistake of officers or of carriers' agents, that exports already entered outwards at the inland port of shipment are recorded also at the point of exit from Canada.

The following table shows the share of the leading countries in the commerce of Canada in the last two years in thousands of dollars :—

Exports to	1892	1893	Imports entered for Consumption	1892	1893
	1,000 Dols.	1,000 Dols.		1,000 Dols.	1,000 Dols.
Great Britain . . . . .	64,906	64,080	United States . . . . .	53,137	53,137
United States . . . . .	38,988	43,923	Great Britain . . . . .	41,348	41,348
West Indies . . . . .	3,546	3,146	Germany . . . . .	5,583	5,583
Newfoundland . . . . .	1,750	2,595	France . . . . .	2,402	2,403
South America . . . . .	—	1,050	China . . . . .	} 3,016	1,071
No other country over a million			Japan . . . . .		1,946
			West Indies . . . . .	4,089	4,092
			Spain and Poss. (Not in W. I.)		2,713
			Other countries each under a million		

The following table shows the value of the leading imports and exports in 1893 :—

Imports, 1893, for Home Consumption	Dollars	Exports of Canadian produce, 1893	Dollars
Wool, manufactures of . . . . .	10,946,244	Lumber and other forest products . . . . .	5,592,893
Iron, steel, and manufactures of . . . . .	13,199,523	Cheese . . . . .	13,407,470
Coal and Coke . . . . .	10,523,800	Horned cattle . . . . .	7,745,083
Bread-stuffs . . . . .	1,892,083	Horses . . . . .	1,461,157
Cotton manufactures . . . . .	4,557,402	Sheep . . . . .	1,247,855
Tea and coffee . . . . .	3,625,999	Eggs . . . . .	868,007
Sugar of all kinds . . . . .	6,674,510	Other animal products . . . . .	7,006,927
Cotton wool and waste . . . . .	3,535,114	Wheat and wheat flour . . . . .	8,801,061
Silk, and manufactures of . . . . .	2,763,536	Barley . . . . .	944,355
Provisions . . . . .	734,481	Other agricultural products . . . . .	12,304,074
Wool, raw . . . . .	1,651,440	Codfish . . . . .	3,027,914
Hides, raw . . . . .	1,947,886	Fish of other kinds <sup>1</sup> . . . . .	5,715,136
Leather, and manufactures of . . . . .	1,233,004	Coal . . . . .	3,114,558
Tobacco, unmanufactured . . . . .	1,717,495	Gold-bearing quartz and nuggets, &c. . . . .	247,868
Wood, and manufactures of . . . . .	1,087,128	Other mineral articles . . . . .	1,966,409
Animals, living . . . . .	512,790	Wood, and manufactures of <sup>2</sup> . . . . .	22,048,007
Flax, hemp, and manufactures of . . . . .	1,618,983	Iron, steel, and manufactures of . . . . .	164,500
Spirits and wines . . . . .	1,510,792	Leather, and manufactures of . . . . .	1,002,729
Coin and bullion . . . . .	6,534,200	All other articles . . . . .	9,123,254
All other articles . . . . .	45,438,620	Foreign produce . . . . .	12,776,095
Total . . . . .	121,705,030	Total . . . . .	118,564,352

<sup>1</sup> Including fish-oils, furs and skins of fish, and other products of the fisheries. Some lumber, shingles, &c., included.

Of the total value of imports for home consumption in 1893, 69,873,571 dollars were subject to duty. The total duty amounted to 21,161,710 dollars, or over 30 per cent. of the imports on which it was levied.

The following table shows the progress of the leading classes of domestic exports, in thousands of dollars:—

—	1870	1880	1890	1891	1892	1893
Produce of the Mines .	2,487	2,877	4,855	5,784	5,905	5,329
"    "    Fisheries	3,608	6,579	8,462	9,715	9,675	8,743
"    "    Forest .	5,766	3,945	6,380	9,434	5,288	5,593
Animals & their produce	12,138	17,607	25,107	25,968	28,594	31,736
Agricultural produce .	13,676	22,294	11,908	13,667	22,113	22,050
Manufactures . . . .	18,327	16,197	25,541	25,145	24,035	28,462
Miscellaneous . . . .	1,096	640	82	45	71	93

The share of the leading ports in the trade of 1893 was as follows in dollars:—

—	Montreal	Toronto	Halifax	Quebec	St. John, N.B.	Ottawa	Victoria B.C.
Imports . . . . .	50,321,896	22,072,127	7,117,115	3,555,607	3,596,969	1,976,080	3,182,733
Exports . . . . .	47,003,993	3,653,123	6,438,792	5,193,370	3,943,867	3,757,574	2,054,105

The following figures give the value of exports of Canadian produce to Great Britain, according to Canadian returns, in 1879 and in the last five years ended 30th June. (Conversions made at 4·86 $\frac{2}{3}$ .)

1879 . . . . .	£6,039,744.	1891 . . . . .	£8,885,709 <sup>1</sup>
1889 . . . . .	6,884,441.	1892 . . . . .	11,290,900.
1890 . . . . .	8,527,222.	1893 . . . . .	12,003,620.

Canadian returns of imports from Great Britain do not distinguish between British and foreign produce.

The chief exports of domestic produce from Canada to Great Britain in the last four years were:—

Articles	1890	1891	1892	1893
	£	£	£	£
Wheat . . . . .	78,060	199,137	1,176,679	6,666,382
Wheat Flour . . . . .	79,584	175,050	228,158	851,026
Pease . . . . .	264,256	305,208	497,689	1,795,758
Wood, and Manufactures of . . . . .	2,950,822	2,359,905	2,049,104	11,328,496
Cheese . . . . .	1,921,178	1,948,227	2,382,265	13,360,237
Cattle . . . . .	1,349,037	1,731,245	1,537,318	7,402,208
Sheep . . . . .	99,924	70,768	59,208	133,222
Fish . . . . .	520,460	464,550	410,254	935,603
Apples . . . . .	171,687	253,818	288,807	2,247,482
Bacon and Hams . . . .	129,167	128,630	234,863	1,960,646
Skins and Furs . . . .	273,220	229,308	194,802	1,095,031
Leather, and manufac- tures of . . . . .	145,337	172,394	196,338	789,774

The chief imports into Canada from Great Britain were :—

Articles	1890	1891	1892	1893
	£	£	£	£
Iron and Steel, and manufactures of . . . . .	1,810,662	1,844,605	1,647,692	7,875,014
Woollens . . . . .	1,714,842	1,575,765	1,932,230	9,645,945
Cottons . . . . .	603,603	636,084	623,886	3,471,527
Silk, and manufactures of	421,549	418,803	512,644	2,238,556
Wearing apparel, all kinds . . . . .	593,746	350,368	257,661	—
Fancy goods . . . . .	253,584	202,216	211,178	1,080,658
Flax, hemp, and jute, and manufactures of . . . . .	281,492	280,700	303,826	1,531,314

The following table exhibits the commercial intercourse of the Dominion of Canada with the United Kingdom, according to the Board of Trade Returns, in 1879, and in each of the last five years.

—	1879	1889	1890	1891	1892	1893
	£	£	£	£	£	£
Imports into U. K. from Canada . . . . .	9,834,236	11,785,838	12,020,162	12,103,493	14,052,010	12,945,605
Exports of British produce to Canada . . . . .	5,926,908	7,702,898	6,827,023	6,820,990	6,869,808	6,658,240

The chief imports into Great Britain from Canada were :—

Articles	1889	1890	1891	1892	1893
	£	£	£	£	£
Wheat . . . . .	467,868	463,080	1,432,427	1,443,938	1,023,905
„ flour . . . . .	622,191	523,108	618,591	701,585	508,130
Maize . . . . .	668,165	513,287	310,637	206,280	786,614
Pease . . . . .	187,778	265,069	342,399	351,795	280,513
Wood & timber . . . . .	4,447,354	3,806,261	2,719,937	3,745,526	3,183,801
Cheese . . . . .	1,564,904	1,914,232	1,991,597	2,493,625	2,575,893
Oxen . . . . .	1,464,073	1,892,298	1,770,630	1,576,949	1,465,005
Fish . . . . .	243,251	432,649	446,137	396,255	349,390
Apples . . . . .	200,942	210,634	308,341	371,117	153,604
Bacon & Hams . . . . .	631,671	770,012	480,411	734,330	667,314
Skins & Furs . . . . .	329,360	363,150	422,321	366,203	403,262

The chief exports of British produce and manufactures to Canada were :—

Articles	1889	1890	1891	1892	1893
	£	£	£	£	£
Iron, wrought & unwrought	1,547,104	1,552,359	1,365,548	1,161,706	1,234,305
Woollens . . . . .	1,579,522	1,211,138	1,317,655	1,418,153	1,413,965
Cottons . . . . .	809,424	644,765	690,903	715,092	753,517
Apparel, &c. . . . .	685,058	623,135	660,814	660,576	512,635

### Shipping and Navigation.

According to the Board of Trade's Annual Statement of the Navigation and Shipping of the United Kingdom, the registered shipping of Canada (including inland navigation) on December 31, 1893, consisted of 7,042 vessels, with a total tonnage of 885,455. At the end of the year 1893, according to Canadian statistics, there belonged to the Dominion 7,010 registered vessels of 1,054,214 tons; of these 1,538 of 241,172 tons were steamers.

During the year 1893 there were 362 new vessels, of 28,440 tons, built in the Dominion. Canada has a larger shipping trade than any other British possession. The number of sea-going vessels that entered and cleared at Canadian ports in 1893 was 27,547 of 10,608,611 tons, of which 3,271 of 3,780,915 tons were British, and 13,422 of 2,189,925 were Canadian. The total number of vessels, both sea-going and inland lake, that arrived and departed at Canadian ports in 1893 was 63,181 of 18,539,534 tons. The tonnage of vessels employed in the coasting trade, which arrived at and departed from Canadian ports in 1893, amounted to 24,579,123 tons.

### Internal Communications.

Canada has a system of canal, river, and lake navigation over 2,700 miles in length, and vessels from the lake ports reach the Atlantic without breaking bulk. Up to 1891 61 million dollars had been spent on canals for construction alone. In 1892 25,105 vessels, of 4,273,760 tons, passed through the Canadian canals, carrying 152,439 passengers and 3,031,736 tons of freight, chiefly grain, timber, and coal.

The Dominion of Canada had a network of railways of a total length of 15,320 miles completed at the end of June 1893, being a considerable increase over that of 1891. The number of miles in operation was 15,020. A considerable extent of railway is in course of construction, and concessions have been granted by Government for upwards of 4,000 miles more. The Canadian Pacific Railway main line from Montreal to Vancouver is 2,906 miles in length. By means of this railway and a line of Pacific steamers subsidised by the Imperial and Dominion Governments, Montreal and Yokohama have been brought within 14 days of one another, and the journey from Liverpool to Yokohama is accomplished in less than 21 days. An experimental service has also been established between Australia and British Columbia, the first steamer, the *Miwera*, having arrived at Vancouver from Sydney, N.S.W. on June 8, 1893, with mails, passengers, and freight. It is probable that this line will be subsidised by both the Australian and Dominion Governments.

The traffic on Canadian railways in the last two years was:—

Yrs.	Miles	Passengers No.	Freight Tons	Receipts Dollars	Expenses Dollars	Net profits Dollars	Capital paid up Dollars
1892	14,588	13,533,414	22,189,923	51,685,768	36,488,228	15,197,540	844,991,750
1893	15,020	13,618,027	22,003,599	52,042,397	36,616,033	15,426,364	872,156,476

In 1893, of the capital paid up, 147,212,610 dollars represented Federal Government aid, and 42,148,313 dollars aid from Provincial Governments and Municipalities.

On June 30, 1893, there were 8,437 post-offices in the Dominion. During the year ended on the foregoing date the number of letters sent through the

post-office was 106,290,000, of postcards 22,790,000, of newspapers, books, &c., 43,000,000 and of parcels 345,600. Newspapers sent from the office of publication are carried free. Their number in 1892 was estimated at upwards of 66,150,000. The letters and postcards posted amounted to 21'42 per head, and the other articles to 20'57 per head. Revenue, 3,696,062 dollars; expenditure, 4,343,758 dollars. A uniform rate of postage of three cents has been established over the whole Dominion. The number of money order offices in Canada in 1893 was 1,168, and of orders issued 967,866, their value having been 12,902,976 dollars. Since confederation in 1867 the number of offices has doubled and the number of orders sent is more than eight times as many.

There were 31,841 miles (2,709 being Government) of telegraph lines in Canada in 1893, and 69,111 miles of wire, with 2,692 offices, and the number of messages sent, as nearly as could be ascertained, 4,614,944. There were in 1893, 44,000 miles of telephone wire, and 33,500 sets of instruments; 72,500,000 messages were sent.

### Money and Credit.

The Bank Acts of Canada impose stringent conditions as to capital, notes in circulation, limit of dividend, returns to the Dominion Government, and other points in all chartered and incorporated banks. In making payments every bank is compelled if required to pay a certain proportion in Dominion Government notes, and must hold not less than 40 per cent. of its cash reserve in Dominion Government notes. In 1893 there were 38 incorporated banks making returns to the Government, with numerous branches all over the Dominion. The following are some particulars of the Dominion banks, the number in 1868 being 27, or 11 less than in 1893:—

Year ended June 30	Capital Paid up	Notes in Circulation	Total on Deposit	Liabilities	Assets	Percentage of Liabili- ties to Assets
	Dollars	Dollars	Dollars	Dollars	Dollars	
1868	30,289,048	8,307,079	32,808,103	43,722,647	77,872,257	56·15
1878	63,387,034	19,351,109	71,900,195	95,641,008	175,473,086	54·50
1888	60,168,010	30,444,643	128,725,529	166,344,852	244,975,223	67·90
1889	60,236,451	31,209,972	136,293,978	175,062,257	255,765,631	68·44
1890	59,569,765	32,059,178	136,187,515	174,501,422	254,628,694	68·53
1891	60,742,366	31,379,886	149,431,573	188,337,504	269,491,153	69·88
1892	61,512,630	32,614,699	171,157,053	209,362,011	292,054,017	71·68
1893	61,954,314	33,483,413	174,320,991	219,666,666	304,363,580	72·17

Post-office savings-banks under charge of the Government have been in operation in Canada since 1867; there are also Government savings-banks, under the management of the Finance Department, in the Maritime Provinces, Manitoba, and British Columbia. In 1893 there were 673 offices of the former and 39 of the latter. In 1893 the post-office savings-banks had 114,275 depositors and 24,153,194 dollars on deposit. The following is a statement of the transactions of the post-office and Government savings-banks for two years in dollars:—

Year	Balances, July 1	Cash Deposited	Withdrawals	Balances, June 30
1892	39,400,026	11,531,926	11,402,404	39,529,548
1893	39,529,548	12,484,783	10,164,673	41,849,658

## Money, Weights, and Measures.

The money, weights, and measures of Canada are—

### MONEY.

The *Dollar* of 100 cents. Average rate of exchange = 4s.

The value of the money of the United Kingdom is fixed by law as follows:—The sovereign, four dollars and eighty-six and two-third cents; the crown piece, one dollar and twenty cents; the half-crown piece, sixty cents; the florin, forty-eight cents; the shilling, twenty-four cents; the sixpence, twelve cents.

The coins in circulation in Canada are all struck in England. Canada has no gold coinage of its own, but the English sovereign and the United States gold eagle of 10 dollars, with its multiples and halves, are legal. Notes are issued exclusively by the Government for 4, 2, and 1 dollar, 50 and 25 cents; no bank being allowed to issue notes for a less sum than 5 dollars.

### WEIGHTS AND MEASURES.

The legal weights and measures are the Imperial yard, Imperial pound avoirdupois, Imperial gallon, and the Imperial bushel.

By Act 42 Vict. cap. 16, the British hundredweight of 112 pounds, and the ton of 2,240 pounds, were abolished, and the hundredweight was declared to be 100 pounds and the ton 2,000 pounds avoirdupois, thus assimilating the weights of Canada and the United States.

*High Commissioner for the Dominion of Canada in Great Britain.*—Hon. Sir Charles Tupper, Bart., G.C.M.G., C.B.  
*Secretary.*—Joseph G. Colmer, C.M.G.

## Statistical and other Books of Reference concerning Canada and British North America.

### 1. OFFICIAL PUBLICATIONS.

Annual Reports of the various Government Departments for the year ending June 30, 1893. 8. Ottawa, 1894.

Census of Canada, 1891. Census Bulletins, 1891. Ottawa.

Estimates of Canada for the fiscal year ending June 30, 1895. 8. Ottawa, 1894.

Fisheries Statements for the year 1892. Ottawa, 1894.

General Report of the Minister of Public Works from June 30, 1867, to July 1, 1885. With Maps. Ottawa, 1887.

Public Accounts of Canada, for the fiscal year ended June 30, 1893. Printed by order of Parliament. 8. Ottawa, 1894.

Railway Statistics of Canada, 1892-93. 8. Ottawa, 1894.

Report of the Auditor-General on Appropriation Accounts for the year ending June 30, 1893. Ottawa, 1894.

Report on the State of the Militia for the year 1893. 8. Ottawa, 1894.

Reports (Annual) of the Geological Survey of Canada.

Report, Returns, and Statistics of the Inland Revenues of the Dominion of Canada, for the fiscal year ending June 30, 1893. 8. Ottawa, 1894.

Special Report on the Fisheries Protection Service of Canada, 1886. Ottawa, 1887.

Statistical Year Book of Canada for the year 1893. Ottawa, 1894.

Sessional Papers relating to the Canadian Pacific Railway, 1885-87. Ottawa, 1888.

Statistical Abstract for the several Colonial and other Possessions of the United Kingdom. 8. London, 1894.

Tables of the Trade and Navigation of the Dominion of Canada, for the fiscal year ending June 30, 1893. Ottawa, 1894.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.



## 2. NON-OFFICIAL PUBLICATIONS.

- Adam* (G. M.), The Canadian North-West: its History and its Troubles, with the Narrative of Three Insurrections. Toronto, 1885.
- Adam* (G. M.), Life of the Right Hon Sir John A. Macdonald, G.C.B. Toronto, 1891.
- Bryce* (G.), Manitoba: its Infancy, Growth, and Present Position. London, 1882.
- Canadian Almanack for 1895. 8. Toronto, 1894.
- Chalmers* (R.), A History of Currency in the British Colonies. London, 1893.
- Chapais* (J. C.), Guide Illustré du Sylviculture Canadien. Montreal, 1883.
- Chapleau* (Hon. J. A.), Report on the Constitution of the Dominion of Canada. Ottawa, 1891.
- Colmer* (J. G.), Recent Developments in Canada. London, 1887.
- Cumberland* (Stuart), The Queen's Highway. 2nd ed., London, 1888.
- Dent* (J. Chas.), The Last Forty Years; or, Canada since the Union of 1841. Toronto, 1883.
- Dilke* (Sir Charles), Problems of Greater Britain. London, 1890.
- Faillion* (Abbé), Histoire de la Colonie française en Canada. 2 vols. Fol. Montreal, 1865.
- Fleming* (Sandford, C.M.G.), England and Canada, a Summer Tour between Old and New Westminister. London, 1884.
- Garneau* (F. X.), Histoire du Canada depuis sa découverte jusqu'à nos jours. Montreal, 1882.
- Grant* (Very Rev. Principal), Picturesque Canada. 2 vols. Toronto, 1884.
- Greswell* (W. P.), History of the Dominion of Canada. London.
- Greswell* (W. P.), Geography of the Dominion of Canada. London.
- Gunn* (Hon. D.), History of Manitoba. Ottawa, 1880.
- Hayden* (Prof. F. V.), and *Selwyn* (Prof. A. R. C.), North America. London, 1883.
- Hurlburt* (Dr. J. B.), The Food Zones of Canada. Montreal, 1884.
- Legge* (A. O.), Sunny Manitoba, its Peoples and its Industries. London, 1893.
- Lovell* (John) Gazetteer of British North America. Montreal, 1881.
- MacInnan* (W.) Montreal and some of the Makers thereof. Montreal, 1893.
- Macoun* (Prof.), Manitoba and Canada. London, 1882.
- Macpherson* (Lieut.-Col. J. P.), Life of Sir John A. Macdonald, G.C.B. Toronto, 1892.
- Morgan* (Henry J.), The Canadian Parliamentary Companion for 1894. Ottawa, 1894.
- Morgan* (Henry J.), Dominion Annual Register and Review, 1878-93. Ottawa.
- Morgan* (Henry J.), Bibliotheca Canadensis, or a History of Canadian Literature. Ottawa, 1867.
- Morris* (Hon. Alex.), Nova Britannia; or, Our New Canadian Dominion Foreshadowed, Toronto, 1884.
- Rae* (W. Fraser), Columbia and Canada. Notes on the Great Republic and the New Dominion. 8. London, 1878.
- Rae* (W. F.), Newfoundland to Manitoba. London, 1881.
- Ryerson* (Rev. E., D.D., LL.D.), The Loyalists of America and their Times. 2 vols. Toronto, 1880.
- Selwyn* (A. R. C.) and *Dawson* (G. M.), Descriptive Sketch of the Physical Geography and Geology of the Dominion of Canada. Montreal, 1884.
- Silver and Co.'s* Handbook to Canada. London, 1881.
- Todd* (Dr. Alpheus, C.M.G.), Parliamentary Government in the British Colonies. Boston, 1880.
- Tupper* (Sir Charles), The Canadian Confederation defended. London, 1868.
- Tuttle* (C. R.), Our North Land: being a full account of the Canadian North-West and Hudson's Bay Route. Toronto, 1885.

## FALKLAND ISLANDS.

*Governor.*—George Melville. Salary 1,200*l.* per annum.

Crown colony situated in South Atlantic, 300 miles E. of Magellan Straits. East Falkland, 3,000 square miles; West Falkland, 2,300 square miles; about 100 small islands, 1,200 square miles: total, 6,500 square miles; besides South Georgia, 1,000 square miles. Population: (census 1891) 1,789; males 1,086, females 703, foreigners 123. No religious census taken. Chief town, Stanley, 694 inhabitants.

Education: 2 Government schools, with 143 on the roll, in 1892; 1 Roman Catholic school, with 51 on the roll; 1 private school with 23 on the roll.

The government is administered by the Governor, assisted by an Executive Council and a Legislative Council.

No naval or military forces.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Revenue . . .	8,628	9,492	11,551	11,485	13,250
Expenditure . . .	9,720	9,389	13,302	10,948	11,388
Imports . . .	55,716	67,182	67,877	70,138	71,126
Exports . . .	116,102	115,865	130,752	126,312	134,872

Chief sources of revenue (1893) : Customs, 3,649*l.*, and rents of crown lands (1891), 3,232*l.* Chief branches of expenditure (1891) : Official salaries, 3,890*l.* ; mails, 2,112*l.* ; public works, 3,078*l.* Contribution by Home Government, *nil.*

Leading exports : Wool, frozen mutton, live sheep to S. America, hides and skins, and tallow. Chief imports : Provisions, wearing apparel, timber and building materials, machinery and ironmongery.

—	Imports from (1891)	Exports to (1891)	Imports from (1892)	Exports to (1892)
	£	£	£	£
United Kingdom . . .	63,128	128,859	62,555	121,305
Chile . . . . .	—	} 1,893	—	—
Uruguay . . . . .	4,699		—	—
Other Countries . . .	—	—	—	—

Chief industry, sheep-farming ; 2,325,154 acres pasturage. Horses 3,824, cattle 6,321, sheep 667,344, pigs 54. In 1892 29 vessels of 16,197 tons arrived in the colony. In 1892 24,940*l.* had been deposited in the Savings Bank by 196 depositors. About 1,200 letters and postcards pass through Post Office monthly ; 848 lbs. of newspapers received monthly.

*Money, Weights, and Measures.*—Same as in Great Britain.

REFERENCES : Annual Report for the Colony.

*Darwin* (C. R.), *Journal of Researches, &c., during a Voyage Round the World.* 8. London, 1845.

*Falkner* (Thomas), *Description of Patagonia and adjoining parts of South America.* 4. Hereford, 1774.

## GUIANA, BRITISH.

*Governor.*—Sir Charles Cameron Lees, K.C.M.G. (5,000*l.*).

Includes the settlements of Demerara, Essequibo, and Berbice, named from the three rivers. Extends from 8° 40' N. latitude to 6° 45' N. latitude, and from 56° 15' to 61° 50' W. longitude. For legislative purposes the Governor is assisted by a Court of Policy of seven official and eight elective members (the latter elected by the registered voters) and a Combined Court, containing, in addition to the above, six financial representatives elected by the registered voters. The functions of the Combined Court are to consider the Estimate of Expenditure, and to raise the Ways and Means to meet it, and this Court alone can levy taxes. Executive and administrative functions are exercised by the Governor and an Executive Council. There are 2,388 registered electors. The Roman-Dutch Law is in force in civil cases, modified by orders in Council ; the criminal law is based on that of Great Britain.

Area, 109,000 square miles. Population (1892), 278,295. At the census of 1891, there were 2,533 born in Europe ; 99,615 Africans ; 105,465 East

Indians, mainly coolies ; 3,714 Chinese. Births (1892) 7,795 ; deaths 11,070. Capital, Georgetown, 53,176 (1891). Living on sugar estates 90,492 ; in villages and settlements 125,757. Of the total in 1891, 125,757 were agricultural labourers. Immigrants from India (1892), 5,241 ; return emigrants, 2,014. 197 schools received Government grant (18,798*l.* in 1893-4), with about 25,800 pupils.

Paupers (1891) receiving out-door relief, 2,367. In 1892-3 there were 12,462 summary convictions ; 306 before the superior courts.

—	1888-9 15 months	1889-90	1890-1	1891-2	1892-3	1893-4
Revenue . .	£ 580,762	£ 522,767	£ 560,201	£ 563,763	£ 573,463	£ 602,762
Expenditure . .	605,535	508,108	531,099	543,186	542,470	566,833

Chief items of revenue (1893-4) : customs, 310,613*l.* ; licences, 108,956*l.* ; rum duty, 67,296*l.* ; royalty on gold, 25,969*l.* Expenditure on civil establishment, 158,654*l.* ; ecclesiastical, 18,782*l.* ; judicial, 41,257*l.* ; education, 29,992*l.* ; public works, 26,785*l.* Public debt (1893-4) 812,155*l.* Two banks, with note circulation of 153,141*l.* in 1891. Savings banks, 18,000 depositors (Dec. 31, 1893), credited with 278,000*l.*

Under cultivation (1891), 79,278 acres ; sugar, 69,814 acres ; 74 sugar estates in cultivation. British Guiana is rich in gold. Mining commenced in 1886, and in the five years 1886-1890 the returns amounted to 466,893*l.* ; in 1891, 375,289*l.* ; in 1892-3, 492,938*l.* ; in 1893-4, 510,710*l.* There are about 10,000 labourers employed in the gold-fields of the colony.

—	1889	1890	1891	1892-3	1893-4
Exports . .	£ 2,310,141	£ 2,161,791	£ 2,532,554	£ 2,433,213	£ 2,358,918
Imports . .	1,803,776	1,887,118	1,707,770	1,780,319	1,920,710

Value of imports subject to duty (1893-4), 1,502,843*l.* ; duty free, 417,867*l.*

Chief exports in 1893-4 : Sugar, 1,568,521*l.* ; rum, 121,584*l.* ; molasses, 33,625*l.* ; timber, 15,489*l.* ; gold, 510,710*l.* for 137,629 oz. The chief imports (1893-4) : Flour, 155,350*l.* ; rice, 168,531*l.* ; pork, 64,511*l.* ; butter, 22,205*l.* ; lumber, 47,187*l.* ; oils, 39,689*l.* ; and fish, 81,128*l.*

The value of imports and exports are in general determined by declarations subject to scrutiny, but for exports of sugar, rum, and molasses the average prices for the year are taken as obtained from the secretary of the Planters' Association in the Colony. The values are accurate so far as they relate to imports subject to *ad valorem* duty ; in other cases they are not so reliable. Quantities are ascertained by the Customs officers. The countries recorded as those of origin or destination are those disclosed by declarations or shipping documents, and may not be the prime origin of imports or ultimate destination of exports.

Exports to Great Britain in 1893-94, 1,234,205*l.* (sugar, 578,669*l.*) ; British colonies, 134,675*l.* ; foreign countries, 990,037*l.* Imports from Great Britain, 1,046,862*l.* ; British colonies, 313,459*l.* ; foreign countries, 560,389*l.*

In 1892-93 the total tonnage entered and cleared was 652,684 ; registered tonnage (1893) : Steam, 450 vessels of 387,086 tons ; sailing, 1,069 vessels of 261,442 tons ; total, 1,519 vessels of 648,528 tons.

Railways, 23 miles ; 450 miles river navigation ; good roads. There are 62 post-offices, of which 38 are telegraph offices, 30 money order offices, and 16 savings banks. There are about 360 miles of post-office telegraphs and cables, and a telephone exchange in George Town and New Amsterdam of 28 miles, with 450 subscribers.

Currency: British gold and silver coin with a small circulation of 'guilders,' 'half-guilders,' and 'bits,' local coins.

REFERENCES: Blue Book of the Colony, and Colonial Report. Annual.  
*Bronkhurst* (H. V. P.), Descriptive and Historical Geography of British Guiana and West India Islands. 8. Demerara, 1890.  
*Im Thurn* (E. F.), Among the Indians of Guiana. 8. London, 1883.  
*Rodway* (J.), History of British Guiana. 4. George Town, 1893.

## HONDURAS, BRITISH.

*Governor*.—Sir C. Alfred Moloney, K.C.M.G. (12,000 dollars), assisted by an Executive Council of four official and three unofficial members, and a Legislative Council consisting of three official and five unofficial members.

A Crown colony on the Caribbean Sea, south of Yucatan, and 660 miles west from Jamaica, noted for its production of mahogany and logwood. Area, 7,562 square miles. Population (1893), 31,371, viz. 16,219 males and 15,152 females. Births (1893), 1,274; deaths, 1,374; marriages, 404. Schools (1893), 40 children enrolled, 3,179; Government grant, 13,271 dollars 87 cents.

—	1889	1890	1891	£1892	1893
	Dollars	Dollars	Dollars	Dollars	Dollars
Revenue .	347,839	332,136	357,634	338,659	301,922
Expenditure .	325,877	344,452	348,283	373,719	365,519
Exports .	2,155,559	1,866,099	1,909,930	1,741,235	2,135,117
Imports .	1,863,327	1,829,480	1,853,365	1,757,038	1,460,941

Chief sources of revenue: Customs duties (163,081 dollars in 1893); excise, licenses, land-tax, &c.; also sale and letting of Crown lands. Expenditure mainly administrative and the various services. Debt (55,750 dollars, and 9,000*l.* in 1892).

Value of imports subject to duty (1893), 1,167,233 dollars; duty free, 293,708 dollars. Chief exports, mahogany (5,427,360 cubic feet in 1893), logwood, fruit (chiefly to New Orleans), sugar. The transit trade somewhat increases the traffic of the ports, especially in india-rubber, sarsaparilla, coffee, &c. Besides the staple products, mahogany and logwood, there are coffee, bananas, plantains, coco-nuts, &c. The higher parts afford good pasturage for cattle. Exports to United Kingdom in 1893, 1,186,228 dollars; imports from the United Kingdom, 559,686 dollars.

In 1893, tonnage of vessels entered and cleared, 283,305, of which 102,409 was British. The registered shipping of the colony in 1894 consisted of 193 sailing vessels of 4,378 tons and 4 steamers of 57 tons; total tonnage, 4,435.

Savings banks at Belize with five branches—deposits, 44,381 dollars, December 31, 1893. Currency, chiefly Central American silver dollars. The dollar is rated annually by the Treasury; for 1894 the rate was fixed at 2*s.* 5*d.* sterling.

REFERENCES: Colonial Reports. Annual. London.  
*Bristowe* (L. W.) and *Wright* (P. B.), Handbook of British Honduras. 8. Annual. Edinburgh.  
*Bellamy* (J.), Expedition to the Cockscorb Mountains, British Honduras. In Proc. R. G. Soc. (N.S.) XI. 542. 8. London, 1889.  
*Morris* (D.), The Colony of British Honduras. 16. London, 1883.

**Jamaica, Leeward Islands, Montserrat, Nevis.** See WEST INDIES.

**NEWFOUNDLAND AND LABRADOR.**

*Governor.*—Sir J. Terence N. O'Brien, K.C.M.G. ; salary 2,500*l.*

Newfoundland is an island at the mouth of the Gulf of St. Lawrence, between 46° 37' and 51° 39' N., 52° 35' and 59° 25' W. ; and Labrador, its dependency, is the most easterly part of the continent of North America.

The coast of Newfoundland is rugged, especially on the south-west, where the coast range reaches an elevation of nearly 2,000 feet. The hills attain their summit within a few miles of the salt water, and then spread out into an undulating country, consisting largely of barrens and marshes, and intersected by numerous rivers and lakes. On the borders of the lakes and water-courses good land is generally found, and in some cases, as about the Exploits, the Gander and the Humber, it is heavily timbered. Area, 42,200 square miles. Population in 1891: island, including Labrador, 202,040, of whom 195,472 were natives of Newfoundland and 143 Indians. Of the total population 54,755 were engaged in the fisheries, 1,547 were farmers, 2,682 mechanics, 1,258 miners. Capital, St. John's, with suburbs, 29,007 inhabitants; other towns being Harbour Grace, 6,466; Carbonear, 4,127; Twillingate, 3,585; Bonavista, 3,551. The birth rate in 1891 was 33, and the death rate 22 per 1,000.

The government is administered by a Governor, assisted by an Executive Council (not exceeding 7 members), a Legislative Council (not exceeding 15 members), and a House of Assembly consisting of 36 representatives. Members of the Legislative Council receive 120 dollars per session; members of the Legislative Assembly receive 200 or 300 dollars per session, according as they are resident or not in St. John's. For electoral purposes the whole colony is divided into 18 districts or constituencies, 7 of which elect 3 members, 4 return 2 members, and 7 return 1 each. Of the population, 69,824 belong to the Church of England, 72,696 are Roman Catholics, 53,276 Methodists, 1,449 Presbyterians, 4,795 other denominations. The total number of aided schools in 1891 was 547, with 32,339 pupils; Government grant 129,200 dollars.

—	1889	1890	1891	1892	1893
Revenue (incl. loans) .	Dollars 2,102,993	Dollars 1,831,336	Dollars 1,973,275 <sup>1</sup>	Dollars 1,883,790 <sup>2</sup>	Dollars 1,853,844
Expenditure ,, .	2,208,736	1,993,288	1,831,432	1,668,120	2,110,012

<sup>1</sup> Including 196,856 dollars purchase of work done on Hall's Bay Railway from Government by contractors. <sup>2</sup> No loan.

Of the Revenue for 1893, no less than 1,655,556 dollars is from Customs. The public debt was 8,255,546 dollars in 1893, against 4,133,202 in 1889, and 1,258,710 dollars in 1875.

The total exports and imports of Newfoundland for five years<sup>3</sup> are as follows:—

—	1888	1889	1890	1891	1893
Exports .	Dollars 6,860,515	Dollars 6,122,985	Dollars 6,099,686	Dollars 7,437,158	Dollars 6,280,912
Imports .	7,813,845	6,607,065	6,368,855	6,869,458	7,572,569

There are five leading classes of exports, of the following values in 1893:—

<sup>3</sup> Statistics of exports and imports for 1892 are not available, the consolidating books of the Custom House Statistical Department having been destroyed in the fire of July that year.

	Dollars		Dollars
Cod fish . . . . .	3,601,646	Sealskins . . . . .	166,456
Cod and seal oil . . . . .	421,240	Copper ore and iron pyrites . . . . .	203,435
Preserved lobsters . . . . .	265,552		

The leading imports, with their value (1893), are:—

	Dollars		Dollars
Flour . . . . .	1,471,796	Leather and leatherware . . . . .	249,664
Woollens, cottons, canvas, &c. . . . .	1,075,258	Beef . . . . .	223,398
Pork, hams and bacon . . . . .	323,976	Sugars . . . . .	85,817
Butter and oleomargarine . . . . .	105,145	Live stock . . . . .	153,009
Molasses . . . . .	268,206	Wines and spirits . . . . .	68,267
Salt . . . . .	93,717	Cordage, fishing tackle, &c. . . . .	372,561
Tea . . . . .	144,575	Iron and machinery . . . . .	135,375
Coal . . . . .	183,182	Hardware and cutlery . . . . .	228,179
		Fruit and confectionery . . . . .	116,287

The exports are chiefly to Great Britain, 1,308,648 dollars (in 1893); British West Indies, 243,643 dollars; Canada, 619,612 dollars; Portugal, 945,499 dollars; Brazil, 1,408,641 dollars; Spain, 389,294 dollars; United States, 648,451 dollars, and Italy, 309,833 dollars. The imports are chiefly from Great Britain, 2,680,852 dollars; Canada and British Colonies, 3,127,953 dollars; United States, 1,665,225 dollars, and Spain, 52,795 dollars. Total tonnage of vessels entered and cleared in 1893, 852,308, of which 816,494 was British. The total number of vessels registered in the colony on December 31, 1893, was 2,380, of 108,099 tons. Fishing is the principal occupation of the population, the value of the fish caught being over one million sterling annually.

The following table shows the increase in farm-stock since 1869 according to the latest return:—

—	Horses	Cattle	Sheep	Swine
1869 . . . . .	3,764	14,726	23,044	21,555
1891 . . . . .	6,138	23,822	60,840	32,011

Formerly the agricultural products were comparatively unimportant, farming being mainly adopted as an auxiliary to the fisheries, but recent legislation has encouraged wider attention to cultivation. In 1891 there were 64,494 acres of cultivated land. The chief products are potatoes, turnips, and other root crops, hay, barley, oats. Some fine pine forests exist to the north, and large saw mills have been established.

In 1887, 86 miles of railway had been laid down between St. John's and Harbour Grace, and 25 miles in 1888, a branch line to Placentia. The line of railway to Exploits has been completed, a distance of 200 miles, and work has been commenced on the western extension, which will cross the island to Port-aux-Basques, a distance of about 300 miles. This will be completed in three years. Total mileage open in the colony about 400 miles.

#### REFERENCES.

- Cartwright* (George), *Journal of Sixteen Years' Residence on the Coast of Labrador*. 3 vols. 4. Newark, 1792.  
*Chalmers* (R.), *A History of Currency in the British Colonies*. London, 1893.  
*Hatton* (J.) and *Harvey* (M.), *Newfoundland: Its History and Present Condition*, &c. 8. London, 1883.  
*Hind*, *Explorations on the Coast of Labrador*. 2 vols. 8. London, 1863.  
*Rae* (W. F.), *Newfoundland to Manitoba*. 8. London, 1881.  
*Pedley* (Charles), *History of Newfoundland*. 8. London, 1863.  
*Roberts* (C. G. D.), *The Canadian Guide Book*. Pt. I. Eastern Canada and Newfoundland. 8. London, 1892.

**St. Christopher, St. Lucia, St. Vincent, Sombrero, Tobago, Trinidad, Virgin Islands.** See WEST INDIES.

**WEST INDIES.**

The British West Indian possessions fall into six groups, which are noticed separately, while the statistical results are exhibited in general tables for convenience of comparison. The groups are—(1) Bahamas, (2) Barbados, (3) Jamaica with Turks Islands, (4) Leeward Islands, (5) Trinidad with Tobago, (6) Windward Islands.

**BAHAMAS.**

*Governor.*—Sir W. F. Haynes Smith, K.C.M.G. (2,000*l.*), assisted by an Executive Council of 9, a Legislative Council of 9, and a representative Assembly of 29 members, electors requiring to have a small property qualification.

A group of twenty inhabited and many uninhabited islands and rocks off the S. E. coast of Florida.

Area, 5,450 square miles. Principal islands—New Providence (containing capital Nassau), Abaco, Harbour Island, Great Bahama, St. Salvador, Long Island, Mayaguana, Eleuthera, Exuma, Watling's Island, Acklin's Island, Crooked Island, Great Inagua, Andros Island. Total population (1881), 43,521 (11,000 whites); in 1891, 47,565. Births (1893), 1,939; deaths, 1,181. Population of Nassau, 11,000. There are (1893) 40 Government schools with 5,266 pupils on the rolls, and average attendance of 3,281, and 13 aided schools with attendance of 854 pupils; Government grant, 4,800*l.*; 33 Church of England schools with 1,707 enrolled pupils; 29 private schools with 1,295 enrolled pupils. In 1893, 1,326 persons were convicted summarily, and 30 in superior courts. Sponge-fishing produced 58,615*l.* in 1893; shells, pearls, and ambergris were also obtained. Fruit culture is on the increase; in 1893 pineapples were exported, valued at 39,386*l.*, besides preserved pineapples. The orange crop (1893) was valued at 1,088*l.* Fibre cultivation is rapidly spreading. In January 1893, over 20,000 acres had been planted out with sisal plants. In 1893, 101,236 lbs. of cotton were exported, valued at 1,677*l.* The total land granted in the colony amounts to 331,216 acres.

A joint stock bank came into operation on June 1, 1889. The Post Office Savings Bank receipts in 1893 amounted to 3,307*l.*; and in that year, 140,673 letters and 94,849 papers passed through the Post Office.

**BARBADOS.**

Lies on the E. of the Windward Islands.

*Governor.*—Sir J. S. Hay, K.C.M.G. (3,000*l.* and 600*l.* table allowance), with Executive Committee, Legislative Council of 9 Members, and House of Assembly of 24 members, elected annually by the people; in 1893, there were 2,031 registered electors.

Area, 166 square miles; population (1891), 182,306; (1893), about 185,000. Capital, Bridgetown, the principal town; population, 21,000; Speightstown, 1,500. Births (1893), 8,053; deaths (1893), 4,956. Church of England, 156,539; Wesleyans, 14,485; Moravians, 6,801; Roman Catholics, 816; Jews, 21, according to the census of 1891. The legislature grants to the Church of England, 10,353*l.*; Wesleyan, 700*l.*; Moravian, 400*l.*; Roman Catholic, 50*l.*—per annum, 11,503*l.* Education is under the care of the Government. In 1893, there were 201 primary schools, and 16,606 pupils in average attendance; Government grant 10,100*l.*; 4 second-grade schools, 201 pupils; 2 first-grade schools for boys, with an attendance of 148 and 48 respectively, and 1 first-grade school for girls with 150 pupils; Codrington College, affiliated to Durham University, 20 students. Two monthly, one fortnightly, one weekly, five bi-weekly, and one daily newspapers.

There is a Supreme Court; Grand Sessions once in every 4 months; 7

police magistrates. In 1893, 8,836 summary convictions, 76 in superior courts; 380 prisoners in gaol. In 1893, 32,967*l.* was spent in poor-relief, &c. Police, 316 officers and men. Harbour Police, 40 officers and men.

Barbados is the headquarters for European troops in the West Indies. The garrison consists of 40 officers and 818 non-commissioned officers and men.

The area of the colony in acres is about 106,470, of which about 100,000 are under cultivation. The staple produce of the island is sugar. About 30,000 acres are annually planted with the sugar-cane, which yielded in 1871, 53,800 tons; 1881, 52,236 tons; and 1891, 50,547 hhd.; in 1892, 59,249 hhd.; in 1893, 67,157 hhd. In the fishing industry, 370 boats are employed, and about 900 persons. Value of fish caught annually, 17,000*l.* There are 466 sugar works, and 17 rum distilleries.

The Colonial Bank has a paid-up capital of 600,000*l.* On January 1, 1893, its liabilities were: Circulation, 2,016,964 dollars; various, 16,970,219 dollars; total, 18,987,184 dollars. Its assets were: Specie, 1,709,270 dollars; various, 21,031,726 dollars; total, 22,740,997 dollars. Government Savings Bank (September 30, 1893), 10,944 depositors, and deposits 152,924*l.*

In 1893 the registered shipping consisted of 48 sailing vessels and 2 steamers of a total tonnage of 8,673 tons net. There are 482 miles of roads in the island; railway 24 miles. The colony pays an annual subsidy to company of 6,000*l.* Revenue (1893), 9,542*l.*<sup>1</sup>; expenditure, 10,380*l.* There are 35 miles of line for telephonic communication in the island to the several police stations.

**Grenada.** See WINDWARD ISLANDS.

### JAMAICA.

Largest of the British West India Islands, 100 miles west of Hayti and 90 miles south of Cuba.

*Governor.*—Sir Henry Arthur Blake, K. C. M. G. (6,000*l.*), assisted by a Privy Council and a Legislative Assembly, partly elected and partly nominated. There are boards elected in each parish (14) for administration of local affairs.

Attached to it are Turks and Caicos Islands, Cayman Islands, Morant Cays, and Pedro Cays. Area of Jamaica, 4,200 square miles; Turks and Caicos Islands, 224 square miles. Total, 4,424 square miles. Population (Census, 1891): Jamaica, 639,491 (males, 305,948; females, 333,543); white, 14,692; coloured or half-breed, 121,955; black, 488,624; East Indian, 10,116; Chinese, 481; not stated, 3,623. The estimated population of Jamaica on March 31, 1893, is 655,595. Capital, Kingston, 46,542. Other towns—Spanish Town, 5,019; Montego Bay, 4,803; Savanna-la-Mar, 2,952; Falmouth, 2,517. Births (1892-93), 24,475; deaths, 13,717; marriages, 3,349. Total East India immigrants in colony in 1893, 13,828, of whom 2,615 were under indentures. Immigration suspended in 1886 and resumed in 1891. Emigration (1892-3) of Jamaica—natives, 563, while 953 returned.

There is no Established Church. Belonging to Church of England (1893), 43,719; Church of Scotland, 1,500 members; Roman Catholics, 9,292 members; Methodists, 23,810 members; Baptists, 35,269 members; Presbyterian Church, 10,069 members; members of other Christian Churches, 15,000, besides their families and adherents.

In 1892-3 there were 912 Government schools, 164,552 children of school age (5-15); 92,135 were enrolled; the average attendance was 52,983. Government grant, 34,724*l.* There is a Government training college for female teachers in which there are 22 females; and 45 male students are also being trained at a local Educational Institution in Kingston at Government expense. High school near to Kingston with 51 pupils in 1893. There are besides a number of free schools, denominational high schools and industrial schools.

<sup>1</sup> Not including subsidy



There is a high court of justice, circuit courts, and a resident magistrate in each parish. Total summary convictions (1893), 11,688; before superior courts, 4,207. Prisoners in gaol end of 1893, 964. There are 708 police officers and men, 27 water policeman, and 923 members of rural police.

Total number of acres under cultivation and care in 1893, 677,152, showing increase of 10,411 acres compared with previous year. Under sugar-cane, 31,555 acres; coffee, 22,423; bananas, 17,297; cocoanuts, 9,061; corn, 446; cacao, 1,315; ground provisions, 94,716; Guinea grass, 123,881; common pasture, 335,724; common pasture and pimento, 32,378.

The holdings are classified as follows (1893):—Not exceeding 5 acres, 73,926; 10, 9,638; 20, 5,023; 50, 2,779; 100, 974; 200, 580; 500, 625; 800, 283; 1,000, 139; 1,500, 219; exceeding 1,500, 256.

On December 31, 1890, the Colonial Bank had a circulation of 444,483*l.*; other liabilities, 4,420,932*l.* Total liabilities, 4,824,010*l.*; assets, 4,865,415*l.*

On March 31, 1893, there were 23,902 depositors in the Government Savings Bank, the deposits amounting to 417,978*l.* The legal coinage is that of Great Britain; but various American coins are also current. Notes of the Colonial Bank are current; its average total circulation in 1892, was 152,009*l.*

The strength of the West India Regiments in Jamaica is 1,570 officers and men; there is besides a Volunteer Militia, numbering 530 on December 31, 1893, There are fortifications and batteries at Port Royal, Rocky Point, Apostles' Battery, Fort Clarence, Fort Augusta, Rock Fort, Salt Pond's Hill. There are 12 ships of the Royal Navy on the North American and West India stations.

In 1893-94 the registered shipping of Jamaica consisted of 116 sailing vessels of 5,810 tons and 2 steamers of 879 tons; total, 118 vessels of 6,689 tons.

Jamaica has 119½ miles of railway open (receipts, in year ended March 31, 1893, 70,891*l.*; expenses, 52,600*l.*; passengers carried, 290,415); 700 miles of telegraph; messages (to March 31, 1893), 103,803; receipts, 5,813*l.*; expenses, 6,634*l.* Letters passed through the Post Office in the year 1892-93, 2,875,633 and 12,299 parcels.

TURKS AND CAICOS ISLANDS, under the government of Jamaica, are geographically a portion of the Bahamas, of which they form the two south-eastern groups. The government is administered by a Commissioner, assisted by a Legislative Board of five members appointed by the Crown. The Governor of Jamaica has a supervising power over the local government. There are upwards of thirty small cays; area 169 miles. Only six inhabited; the largest, Grand Caicos, 20 miles long by 6 broad. Seat of government at Grand Turk, 7 miles long by 2 broad, the town having 1,883 inhabitants. Population, 1891, 4,745 (males, 2,211; females, 2,534).

Education free; Government grant 563*l.*; 7 elementary schools, average attendance, 364. Public library and reading-room at Grand Turk; a weekly newspaper.

Only important industry, salt raking. About two million bushels are raked annually and exported to the United States, Canada, and to Newfoundland. There is also a small sponge fishery. 46 vessels registered, of 6,080 tons.

*Commissioner*.—E. J. Cameron (salary 500*l.*); residence, Grand Turk.

CAYMAN ISLANDS, attached to Jamaica, consist of Grand Cayman, Little Cayman, and Cayman Brae. Grand Cayman, 17 miles long, 4 to 7 broad; total population 4,322 (males, 1,904; females, 2,418). Good pasturage. Coco-nuts and turtle exported. Affairs managed by a body styled the 'Justices and Vestry,' comprised of magistrates appointed by the Governor of Jamaica, and elected vestrymen.

The MORANT CAYS and PEDRO CAYS are also attached to Jamaica.

## LEEWARD ISLANDS

Comprise Antigua (with Barbuda and Redonda), St. Kitts-Nevis (with Anguilla), Dominica, Montserrat, and the Virgin Islands, and lie to the north of the Windward group, and south-east of Porto Rico.

*Governor and Commander-in-Chief.*—Sir Francis Fleming, K. C. M. G. (3,000*l.*). *Colonial Secretary.*—Frederick Evans, C. M. G. (800*l.*)

The group is divided into 5 Presidencies, viz., Antigua (with Barbuda and Redonda) St. Kitts (with Nevis and Anguilla), Dominica, Montserrat, and the Virgin Islands. There is one Federal Executive Council nominated by the Crown, and one Federal Legislative Council, 10 nominated and 10 elective members. Of latter, 4 chosen by the elective members of the Local Legislative Council of Antigua, 2 by those of Dominica, and 4 by the non-official members of the Local Legislative Council of St. Kitts-Nevis. The Federal Legislative Council meets once a year.

The following table shows the area and population of the Leeward Islands:—

	Area: Square miles	Population 1881	Population 1891
Antigua . . . . .	108	} 34,964	36,819
Barbuda and Redonda } . . . . .	62		
Virgin Islands . . . . .	58	5,287	4,639
Dominica . . . . .	291	28,211	26,841
St. Kitts . . . . .	65	29,137	30,876
Nevis . . . . .	50	11,864	13,087
Anguilla . . . . .	35	3,219	3,699
Montserrat . . . . .	32	10,083	11,762
Total . . . . .	701	122,765	127,723

In 1891, 5,070 white, 23,320 coloured, and 99,333 black. In 1881 33,000 were Anglicans, 29,000 Roman Catholics, 30,000 Wesleyans, and 17,000 Moravians, Education is denominational. In 1892, 131 aided schools, with 21,500 pupils; Government grant, 6,020*l.* Also private schools. Grants of 200*l.* per annum are made to two schools in Antigua, and grammar schools in St. Kitts and in Dominica have recently been established. A technical school has been opened in Montserrat. There is a training school for boys and one for girls in Antigua, and one for boys in Dominica. Sugar and molasses are the staple products in most of the islands. Fruit-growing is increasing in some of the islands.

ANTIGUA. Islands of Barbuda and Redonda are dependencies, with an area of 62 square miles, situated 61° 45' W. long., 17° 6' N. lat., 54 miles in circumference, with an area of 108 square miles. Antigua is the seat of government of the Colony. Chief town, St. John, 9,738. Chief products sugar and pineapples. In Government savings banks 1,717 depositors, 40,572*l.* deposits. There is steam communication direct with the United Kingdom, New York, and Canada, and the island is connected with the West India and Panama Telegraph Company's cable.

MONTSERRAT. Nominated Legislative Council. Chief town, Plymouth, 1,400. Chief products sugar, and lime juice from fruit of lime trees; 1,000 acres under lime trees.

ST. CHRISTOPHER AND NEVIS have one Executive Council nominated,

and a Legislative Council of 10 official and 10 nominated unofficial members. Capital of St. Kitts, Basseterre, 7,000; of Nevis, Charlestown, 1,600. Chief produce sugar and rum. Produce of Anguilla, cattle, pines, garden stock, and salt.

**VIRGIN ISLANDS** consist of all the group not occupied by Denmark, except Crab Island, which is Spanish. Nominated Executive and Legislative Councils. Chief town, Roadtown in Tortola Island, 400. Mostly peasant proprietors; sugar and cotton cultivated in small patches.

**DOMINICA.** Nominated Executive Council, and Legislative Council of 7 nominated and 7 elected members. Chief product sugar, with fruit, cocoa, and timber.

**SOMBRERO** is a small island in the Virgin group, but unattached administratively to any group. Phosphate of lime is shipped, and there is a Board of Trade lighthouse.

### TRINIDAD

Immediately north of the mouth of the Orinoco, includes Tobago administratively.

*Governor.*—Sir F. Napier Broome, K.C.M.G. (5,000*l.*), with Executive Council of 7 official members and a Legislative Council of 9 official and 11 unofficial members, all nominated. Tobago has a subordinate commissioner, with a Financial Board of not less than 3 nominated members.

Area: Trinidad, 1,754 square miles; Tobago 114. Population: Trinidad (estimated 1893) 220,285; Tobago (1891) 18,353. Capital, Trinidad, Port of Spain, 34,037. Births (1893) 7,568, deaths 5,987, marriages, 1,037. Education: 173 schools, 18,483 pupils, Government grant, 25,542*l.* There are many private schools, and a Queen's Royal College, with 79 students, and an attached Roman Catholic College with 174 students. Of the total area 1,120,000 acres, about 194,000 acres are cultivated. Under sugar-cane, 58,500 acres; cacao and coffee, 95,000; ground provisions, 12,000; coco-nuts, 14,000; pasture, 10,000. There is a large pitch lake in the island, which is leased to an American Company, and from which 90,204 tons of asphalt were exported in 1893. The revenue derived from the lake in 1893 was 23,647*l.* Railway 54 miles; receipts (1893), 52,089*l.* 136 miles of Government telegraph. There is a Colonial Bank with note circulation of 135,000*l.*, Government savings-bank, depositors (1893), 7,987; deposits (Dec. 31), 163,334*l.* Volunteer corps, 600. Police force, 531.

**TOBAGO** was annexed to Trinidad, Jan. 1, 1889. The culture of cotton and tobacco has been introduced.

**Virgin Islands.** See **LEEWARD ISLANDS.**

### WINDWARD ISLANDS

Consist of Grenada, St. Vincent, the Grenadines (half under St. Vincent, half under Grenada), and St. Lucia, and form the eastern barrier to the Caribbean Sea between Martinique and Trinidad.

*Governor and Commander-in-Chief.*—Sir Charles Bruce, K.C.M.G. (2,500*l.*—resident at St. George's, Grenada). Each island has its own institutions; there is no common legislature, laws, revenue, or tariff; there is a Common Court of Appeal, and the colonies unite for other common purposes. Legal currency, British sterling, doubloons, and United States gold coins. The Colonial Bank issues 5-dollar notes to the extent of 9,800*l.* in St. Lucia, 11,700*l.* in Grenada, 8,000*l.* in St. Vincent.

**GRENADA.** There is a Legislative Council of 6 official members nominated by the Governor, and 7 unofficial members nominated by the Crown. Each town has an elective Board for local affairs. Area 133 square miles; population (1893) 56,413 (including 2,118 coolies); births, 2,475;

deaths, 1,395 ; marriages, 357. There are (1893) 32 Government and Government-aided elementary schools, with 6,252 pupils ; Government grant (1893) 4,599*l.*; and a grammar school with 43 pupils ; Government grant, 405*l.* In 1893 there were 1,213 summary convictions, and 34 in superior courts. There were (1892) 20,418 acres under cultivation : sugar-cane, 911 acres ; cocoa, 11,115 acres ; cotton, 1,812 acres ; spices, 1,343 acres ; coffee 58 acres. Culture of sugar-cane is decreasing, of cocoa and cotton increasing. In 1893, 716 depositors in savings-banks ; balance (Dec. 31) 7,994*l.*

The largest of the *Grenadines* attached to Grenada is Carriacou ; area, 6,913 acres ; population, 6,000.

ST. VINCENT. *Administrator and Colonial Secretary*, Colonel J. H. Sandwith, C.B., with Legislative Council of 4 official and 4 nominated unofficial members. Area, 132 square miles ; population (1891), 41,054 ; white, 2,445 ; coloured, 554 ; black, 31,005. Capital, Kingstown, 4,547 population. Education : 45 schools ; Government grant, 1,850*l.* Sugar, rum, cocoa, spices, and arrowroot are produced ; good timber from the forests. Most of the cultivated land belongs to three firms. About 13,000 acres (one-sixth of area) under cultivation. Letters passed through the Post Office in 1893, 119,466.

ST. LUCIA. *Administrator and Colonial Secretary*, Brigade-Surgeon V. S. Gouldsbury, M.D., C.M.G., with a nominated Executive and Legislative Council. Area, 243 square miles ; population (1892), 43,310. Chief town, Castries, 6,688. Births (1892), 1,760 ; deaths, 1,158. Education (1892) : 33 schools (12 Protestant, 21 Roman Catholic), 2,359 pupils ; Government grant, 2,612*l.* In 1892 there were 1,143 summary convictions, and 8 at superior courts. Sugar, cocoa, rum, and logwood are chief products. Savings-banks (end of 1892), 905 depositors, 6,955*l.* deposits. Letters and postcards despatched, 48,471 ; books and papers, 5,629.

### Statistics of West Indies.

	Revenue			Expenditure		
	1891	1892	1893	1891	1892	1893
	£	£	£	£	£	£
Bahamas . . . . .	52,813	59,704	55,083	55,804	63,222	57,910
Barbados . . . . .	163,905	162,663	161,630	176,800	199,130	164,633
Jamaica 1 . . . . .	778,615	713,332	863,644	781,883	734,524	800,418
Turks Island . . . . .	7,354	7,836	7,434	7,995	7,596	7,817
Windward Islands:—						
St. Lucia . . . . .	49,326	48,297	51,598	53,906	54,934	49,271
St. Vincent . . . . .	27,649	29,125	28,495	28,517	28,906	29,589
Grenada . . . . .	54,018	55,820	59,210	56,450	59,260	58,039
Leeward Islands:—						
Virgin Islands . . . . .	1,512	1,365	1,552	2,219	1,959	1,715
(St. Christopher						
{ Nevis . . . . .	38,209	47,231	53,859	45,221	46,506	51,975
{ Anguilla . . . . .						
Antigua . . . . .	43,506	52,551	50,881	47,309	50,373	50,870
Montserrat . . . . .	6,526	7,609	8,371	7,303	7,832	7,882
Dominica . . . . .	21,533	22,716	22,347	24,937	25,075	25,818
Trinidad . . . . .	483,219	520,231	510,088	490,422	497,396	488,503
Tobago . . . . .	8,730	7,459	9,211	8,783	9,010	8,538
Total . . . . .	1,741,915	1,735,939	1,883,403	1,787,549	1,785,723	1,802,978

<sup>1</sup> For years ended March 31.

Customs revenue (1893):—Bahamas, 43,685*l.*; Barbados, 94,480*l.*; Jamaica, 315,892*l.*; St. Lucia, 22,085*l.*; St. Vincent, 13,950*l.*; Grenada, 24,119*l.*; Virgin Islands, 485*l.*; St. Kitts, Nevis, and Anguilla, 24,178*l.*; Antigua, 28,214*l.*; Montserrat, 3,579*l.*; Dominica, 7,334*l.*; Trinidad, 230,643*l.*; Tobago, 3,076*l.*

The chief branches of expenditure (1893) were:—Jamaica: public works, 83,710*l.*; charges of debt, 77,650*l.*; police, 51,474*l.*; Bahamas: public works, 5,253*l.*; salaries, 19,696*l.*; police, 6,211*l.*; Barbados: salaries, 72,978*l.*; St. Lucia (1892): public works, 7,370*l.*; salaries, 17,893*l.*; Grenada: public works, 10,284*l.*; Trinidad: salaries, 181,293*l.*; public works, 74,686*l.*; immigration, 38,223*l.*

In 1893 the Public Debt of Jamaica was 1,523,944*l.*; of Bahamas, 110,126*l.*; of Barbados, 30,100*l.*; of Trinidad, 596,620*l.*; of St. Vincent, 16,240*l.*; of Grenada, 96,100*l.*; of Tobago, 5,000*l.*; of Montserrat, 8,200*l.*; of St. Kitts, Nevis, and Anguilla, 49,900*l.*; St. Lucia, 147,850*l.*; Antigua, 27,871*l.*; Dominica, 40,900*l.*

	Exports <sup>1</sup>			Imports <sup>1</sup>		
	1891	1892	1893	1891	1892	1893
	£	£	£	£	£	£
Bahamas . . . . .	128,010	145,136	122,540	190,670	197,401	196,512
Barbados . . . . .	814,254	926,572	1,243,082	1,067,617	1,081,572	1,372,536
Jamaica <sup>2</sup> . . . . .	1,722,096	1,759,806	2,075,689	1,759,890	1,941,481	2,157,794
Turks Islands . . . . .	26,567	27,336	23,366	26,892	25,388	24,888
Windward Islands:—						
St. Lucia . . . . .	181,503	179,056	178,429	222,178	173,025	168,978
St. Vincent . . . . .	98,673	117,572	114,694	97,839	102,981	93,424
Grenada . . . . .	236,643	264,681	316,063	176,929	158,702	166,679
Leeward Islands:—						
Virgin Islands . . . . .	4,633	3,301	4,153	4,446	4,643	3,885
(St. Christopher	187,455	229,182	273,799	161,105	181,532	184,192
Nevis . . . . .						
Antigua . . . . .						
Montserrat . . . . .	24,339	31,614	32,715	25,846	26,774	29,325
Dominica . . . . .	38,910	46,165	53,752	60,780	61,303	64,552
Trinidad . . . . .	2,058,761	2,258,063	2,320,324	2,096,797	2,089,380	2,270,885
Tobago . . . . .	24,241	13,744	25,429	23,945	15,838	17,863
Total value . . . . .	5,703,548	6,246,969	6,984,405	6,082,044	6,248,378	6,930,444

<sup>1</sup> Including bullion and specie.

<sup>2</sup> For year ended March 31.

Trinidad alone, in 1893, exported sugar valued at 650,800*l.*; cocoa, 615,470*l.*; molasses, 38,733*l.* Jamaica exported sugar, 282,244*l.*; rum, 146,122*l.*; coffee, 342,136*l.*; fruit, 527,865*l.* Barbados: sugar, 855,843*l.*; molasses, 162,653*l.*; flour, 31,108*l.*; salt fish, 43,904*l.* St. Vincent: sugar, 43,705*l.* Grenada: cocoa, 129,735*l.*; spice, 14,605*l.* St. Lucia: sugar, 90,870*l.*; cocoa, 23,470*l.*; logwood, 3,711*l.* Leeward Islands: sugar, 427,345*l.*; molasses, 33,708*l.*; limes, &c., 24,005*l.*; rum, 5,238*l.*

In 1893, Jamaica imported cotton goods worth 350,005*l.*; fish (salted), 202,346*l.*; flour, 151,987*l.*; rice, 38,552*l.* Trinidad imported flour, 120,037*l.*; rice, 115,976*l.*; cotton and other cloths, 334,458*l.*; meat (pickled, &c.), 59,283*l.* Barbados: linens and cottons, 155,257*l.*; flour, 115,374*l.*; rice, 87,465*l.* St. Lucia (1891): cottons, 27,129*l.*; fish (salted), 7,876*l.*;

flour, 13,787*l.*; haberdashery, 10,193*l.*; machinery, 8,381*l.*; coals, 19,749*l.*; St. Vincent: flour, 11,636*l.*; fish, 7,482*l.* Leeward Islands: textiles, 69,690*l.*; haberdashery, 37,304*l.*; flour, 62,407*l.*; dried fish, 25,403*l.*

Total imports into Great Britain from the British West Indies in 1893, according to Board of Trade returns, 1,740,580*l.* (sugar, 420,658*l.* in 1890; 312,053*l.* in 1891; 544,818*l.* in 1892; 508,107*l.* in 1893; rum, 164,328*l.*; cocoa, 412,381*l.*; and dyes, 185,415*l.*).

Exports from Great Britain to West Indies in 1893, 2,384,251*l.* (cottons, 618,366*l.*; apparel, 281,765*l.*; leather and saddlery, 143,141*l.*; iron, 149,744*l.*; manure, 107,769*l.*; machinery, 104,920*l.*).

The total tonnage entered and cleared in 1893 was as follows:—

Bahamas . . . . .	349,491	Grenada . . . . .	393,754	Dominica . . . . .	414,665
Barbados . . . . .	1,224,067	Virgin Islands	21,149	Trinidad . . . . .	1,212,574
Jamaica . . . . .	1,423,793	St. Kitts and		Tobago . . . . .	51,812
Turks Island	223,476	Nevis . . . . .	472,648		
St. Lucia . . . . .	962,965	Antigua . . . . .	480,060	Total . . . . .	7,922,557
St. Vincent . . . . .	274,082	Montserrat . . . . .	418,021		

Of the total tonnage returned 6,375,268 was British.

Currency, weights and measures throughout the islands are those of Great Britain, though in several of them various American coins are current.

### Books of Reference on the West Indies.

- The *Jamaica Gazette*. Weekly. Kingston, Jamaica.  
 The *Official Gazette*. Twice a week. Bridgeton, Barbados.  
 Statistical Abstract for the Colonies, &c. Annual. London.  
*Colonial Office List*. Annual. London.  
 Blue Books of the respective Colonies.  
 Handbook to Jamaica. London, 1893.  
*Bates* (H. W.), Central America, the West Indies, and South America. 2nd ed. 8. London, 1882.  
*Bulkeley* (O. T.), The Lesser Antilles. 8. London, 1889.  
*Eves* (C. W.), The West Indies. 8. London, 1889.  
*Froude* (J. A.), The English in the West Indies. 8. London, 1888.  
*Kingsley* (Charles), At Last: A Christmas in the West Indies. 2 vols. 8. London, 1871.  
*Lucas* (C. P.), Historical Geography of the British Colonies. Vol. II. 8. London, 1888.  
*Musgrave* (T. B. C.), Historical and Descriptive Sketch of St. Vincent (containing bibliography regarding the island). Kingstown, 1891.  
*Palgrave* (W. G.), Ulysses. [Chapter on the Leeward Islands and the Boiling Lake.] 8. London, 1887.  
*Powles* (L. D.), The Land of the Pink Pearl. 8. London, 1888.  
*Reclus* (E.), Nouvelle Géographie Universelle. Vol. XVII. 8. London, 1888.  
*Schomburgk* (Sir R. H.), History of Barbados. 8. London, 1848.  
*Trowbridge* (W. R. H.), Gossip of the Caribbees, Sketches of Anglo-West-Indian Life. New York, 1893.

## AUSTRALASIA AND OCEANIA.

### FIJI.

#### Constitution and Government.

FIJI was ceded to the Queen by the chiefs and people of Fiji, and the British flag hoisted by Sir Hercules Robinson, on October 10, 1874. The government is administered by a Governor appointed by the Crown, assisted by an Executive Council consisting of the Colonial Secretary, the Attorney-General, and the Receiver-General. Laws are passed by a Legislative Council, of which the Governor is president. It comprises six official members, and six unofficial members nominated by the Crown. The official members are the Chief Justice, the Attorney-General, the Receiver-General, the Commissioner of Lands, and the chief medical officer.

*Governor of Fiji and High Commissioner for the Western Pacific.*—Sir John Bates Thurston, K.C.M.G., F.L.S., F.R.G.S.

The Governor also exercises the functions of Her Majesty's High Commissioner and Consul-General for the Western Pacific. He has a salary of 2,000*l.* per annum, paid from colonial funds, and 300*l.* from Imperial funds.

There is no military establishment in the colony, but there is a force of armed native constabulary numbering 100.

For the purposes of native government the colony is divided into 16 provinces, in 12 of which a superior native chief exercises, under the title of Roko Tui of his province, a form of rule which recognises to a large degree the customs and the system of administration by which the people governed themselves prior to the establishment amongst them of a European form of government. In three of the provinces there are resident European officers as commissioners. About 160 native chiefs of inferior degree are employed by the Crown in subordinate administrative capacities, and receive salaries from the Government. There are also 33 native stipendiary magistrates associated with 13 European magistrates in the administration of justice. A European commissioner resides in Rotumah.

#### Area and Population.

Fiji comprises a group of islands lying between 15° and 20° south latitude, and 177° east and 178° west longitude. The islands exceed 200 in number, about 80 of which are inhabited. The largest is Viti Levu, with an area of about 4,250 square miles (about the same size as Jamaica); the next largest is Vanua Levu, with an area of about 2,600 square miles. The island of Rotumah, lying between 12° and 15° of south latitude, and 175° and 177° of east longitude, was added to the colony of Fiji by authority of Letters Patent in December 1880. Including Rotumah, the total area of the group is 8,045 square miles.

At the census of April 5, 1891, the population of the colony numbered 121,180.

The estimated population on December 31, 1893, was as follows:—

	Male	Female	Total
Europeans . . .	1,603	871	2,474
Half-castes . . .	554	571	1,125
Indians . . .	6,166	3,009	9,175
Polynesians . . .	2,040	373	2,413
Rotumans . . .	985	1,140	2,125
Fijians . . .	55,921	48,941	104,862
Others . . .	238	300	538
	<hr/>	<hr/>	<hr/>
	67,507	55,205	122,712

Among Europeans in 1893 the births were 62 and deaths 25 ; Fijians in 1893, births 4,119, deaths 5,180 ; indentured Indians in 1892, births 262, deaths 282 (registered). Suva, the capital, is on the south coast of Viti Levu ; European population, 850.

### Religion.

The number of persons attending worship in the native churches of the Wesleyan Mission in 1893 was 98,959 ; attending the churches of the Roman Catholic Mission, 9,700. The Wesleyan Mission establishment comprises 11 European missionaries, 69 native ministers, 52 catechists, 1,117 teachers, and 2,062 local preachers, 3,680 class leaders, with 849 churches, and 475 other preaching places. The Roman Catholic Mission has 23 European ministers and 182 native teachers, 20 European sisters, 3 European brothers, with 81 churches and chapels, and 1 European and 3 native training institutions.

### Instruction.

Two public schools receive State aid to the extent of about 600*l.* a year, one in Suva and one in Levuka. The number of scholars attending these two schools in 1893 was 135. The education of the native Fijians is almost entirely conducted by the Wesleyan Mission, in whose 1,894 schools 37,051 children were taught in 1893. 145 schools are also conducted by the Roman Catholic Mission, the number of day-scholars being in 1893 1,980. The Roman Catholic Mission also maintain 3 schools for Europeans, at which 114 children received instruction during 1893. These mission schools receive no State aid, but an industrial and technical school is carried on by the Government, in which 73 native youths are being trained in elementary branches of reading, writing, and arithmetic, in boat-building, house-building, and cattle-tending.

### Finance.

The following table shows the revenue and expenditure (exclusive of that on account of Polynesian and Indian immigration) since annexation :—

Year	Revenue	Expenditure	Year	Revenue	Expenditure
	£	£		£	£
1875	16,433	41,522	1889	63,722	57,710
1880	80,678	91,102	1890	66,817	60,826
1885	76,669	92,299	1891	71,250	67,820
1887	64,916	73,151	1892	71,553	67,652
1888	65,019	58,993	1893	76,774	85,981 <sup>1</sup>

Estimated revenue, 1894, 74,001*l.* ; expenditure, 70,345*l.*

The principal sources of revenue in 1893 were :—Customs, 36,639*l.* ; wharfage and shipping dues, 4,373*l.* ; general licenses and internal revenue, 7,223*l.* ; native taxes (this is paid in native produce prepared by the natives, and sold by the Government on their behalf by annual contract), 17,436*l.* ; fees of court, &c., 6,639*l.* ; postal dues and stamps, 1,915*l.* The expenditure on personal emoluments was 35,083*l.* ; on other charges, 50,898*l.* ; total, 85,981*l.*<sup>1</sup>

The public debt of the colony consists of a loan amounting to 126,600*l.* ; and advances from the Imperial Government of 113,082*l.*, making a total indebtedness of 239,682*l.*

### Production and Industry.

There are 11 sugar mills in the Colony, with an aggregate nominal daily output of 136 tons of dried sugar, 2 tea factories, with an aggregate nominal

<sup>1</sup> Including 11,438*l.* expended 1883-86, and now brought to account.



daily output of 600 pounds of dried tea, 2 desiccated cocoanut factories, 14 boat-building yards, and 1 tobacco factory. The rainfall at Suva for the year 1893 was 96.45 inches. The mean minimum temperature for the year was 72° Fahr.; the mean maximum 84° Fahr. The absolute minimum temperature was 62° Fahr. in July; the absolute maximum 94° Fahr. in December.

In 1890 there was under cultivation by European settlers:—Bananas, 2,031 acres; cotton, 20 acres; cocoanuts, 17,427 acres; maize, 435 acres; sugar-cane, 15,759 acres; yams, &c., 230 acres; tobacco, 111 acres; peanuts, 237 acres; tea, 460 acres.

There were in the colony, at the end of 1893, 1,381 horses and mules; 10,134 cattle; 5,082 sheep; and 4,179 Angora goats.

**Commerce.**

The value of the total foreign trade during five years was as follows:—

Year	Total Foreign Trade	Imports	Exports
£	£	£	£
1889	553,674	189,393	364,281
1890	571,290	206,757	364,533
1891	727,383	253,049	474,334
1892	688,376	253,586	434,791
1893	632,030	276,398	355,632

In 1893 the imports subject to duty amounted to 172,363*l.*, and imports duty-free to 104,035*l.*

The total amount of imports from and exports to British possessions and other countries respectively, for each year, has been:—

Year	From British Possessions	From other Countries	To British Possessions	To other Countries
£	£	£	£	£
1889	186,419	2,974	335,857	28,424
1890	194,173	12,585	332,322	32,210
1891	232,758	20,291	420,783	53,551
1892	247,735	5,851	388,176	46,615
1893	270,957	5,441	327,821	27,810

Quantities and the values of imports are ascertained by invoice and declaration, or by examination by Customs officers. In the case of exports, the values are determined according to the average price of each article in the local market. The countries recorded as the origin and destination of goods are those disclosed by the shipping documents. Copra is usually exported in vessels which sail to Lisbon, Marseilles, Hamburg, &c., 'for orders,' and the ultimate destination is unknown. Almost all English goods imported into Fiji appear as imports from Australia.

The principal imports during 1893 were—hardware, 11,247*l.*; drapery, 47,121*l.*; meats, 12,892*l.*; rice, 12,396*l.*; breadstuffs and biscuits, 19,139*l.*; bags and sugar mats, 4,326*l.*; coal, 9,604*l.*; timber, 9,089*l.*; manure, 6,263*l.*; galvanized iron goods, 5,717*l.*; live stock, 14,466*l.*; machinery, 27,068*l.* Of these items, meats, breadstuffs, coal, manure, live stock and machinery are free of import duties.

The principal exports in 1893 were—sugar, 15,389 tons, valued at 246,231*l.*; copra, 4,939 tons, valued at 43,549*l.*; green fruit (consisting principally of bananas), 36,597*l.*; desiccated cocoanut, 38 tons, valued at 2,121*l.*; pea-nuts, 192 tons, valued at 3,587*l.*; cotton, 40 tons 9 cwt., valued at 2,260*l.*; maize, 17,864 bushels, valued at 2,680*l.*; and Colonial distilled spirit, 106,920 gallons, valued at 13,365*l.*

The direct trade between Great Britain and Fiji is small. According to the Board of Trade returns the imports into the United Kingdom from Fiji in 1893 amounted to 19,189*l.* (nuts, 18,700*l.*); and the exports of home produce to Fiji to 36,285*l.* In 1893, the exports included cotton manufactures, 6,981*l.*, and machinery 11,013*l.*

### Shipping and Communications.

During the year 1893 the total number of merchant vessels entered at the ports of entry as arriving in the colony was 71 steamers of 64,710 tons, and 21 sailing vessels of 10,721 tons. Of these vessels 79 were British, 3 German, 2 American, 5 Norwegian, 1 Tongan, and 1 Nicaraguan.

There is regular steam communication between Fiji and New Zealand once a month, and also once a month *via* Tonga and Samoa during the sugar season, between Fiji and Victoria every five weeks, and between Fiji and New South Wales twice a month.

Since November, 1893, the steamers of the Canadian-Australian Line sailing between Sydney and Vancouver B.C. have made Suva a port of call on the outward and homeward monthly trips. This line is now subsidised by the Colonial Government. It brings Fiji within thirty days of London.

The registered shipping in 1894 consisted of 6 sailing vessels of, in all, 180 tons. At the end of 1893 there were 308 local vessels holding sea-going certificates from the Marine Board, with a total tonnage of 2,944; 97 of these vessels were owned by Europeans (tonnage 1,280) and 211 by natives (tonnage 1,664). There is also a subsidised inter-island steamer trading regularly in the Group.

In 1893 there passed through the post-office in local correspondence 221,901 letters, 128,074 papers, and 17,344 book-packets; and in foreign correspondence 108,250 letters, 118,339 papers, and 9,397 book-packets.

The Colony entered the Postal Union on September 1, 1891.

Moneys, weights, and measures are the same as in the United Kingdom.

### Books of Reference.

- Annual Blue Book and Colonial Office Report.  
*Calvert and Williams*, Fiji and the Fijians.  
*Colonial Government Handbook to Fiji*. Suva, 1892.  
*Cooper* (H. Stonehewer), Coral Islands of the Pacific. 2 vols. London, 1880.  
*Cumming* (Miss Gordon), At Home in Fiji. London, 1882.  
*Erskine* (Capt. J. E.), The Western Pacific. London, 1853.  
*Gordon & Gotch*, Australian Handbook for 1891. Melbourne, 1891.  
*Horne* (John), A Year in Fiji: Botanical, Agricultural, and Economical Resources of the Colony. 8. London, 1881.  
*Pritchard* (W. T.), Polynesian Reminiscences. London, 1866.  
*Reed* (W.), Recent Wanderings in Fiji. London, 1888.  
*Seeman* (Berthold), Government Mission to the Fijian Islands. London, 1862.  
*Waterhouse*, Fiji: its King and People.

### NEW GUINEA, BRITISH.

This possession is the south-eastern part of the island of New Guinea with the islands of the D'Entrecasteaux and Louisiade groups, and all islands between 8° and 12° S. latitude, and 141° and 155° E. longitude. The total area is 88,460 square miles, and the population about 350,000, of whom 250 are Europeans.

The government of British New Guinea is founded on the British New Guinea Act of November, 1887, and on Letters Patent issued June 8, 1888. The cost of the administration, estimated at 15,000*l.* a year, is guaranteed, primarily by the Government of Queensland, for ten years, but this sum is contributed in equal proportions by the Governments of New South Wales, Victoria, and Queensland, and these Colonies have a voice in the general administration of the affairs of the country. On September 4, 1888, the

sovereignty of the Queen was proclaimed over British New Guinea by the first administrator, Sir William Macgregor, K. C. M. G. (salary 1,500*l.*).

Progress is being made in laying the foundations of law and order. Four missionary bodies are at work, the London Missionary Society on the South Coast, the Sacred Heart Society in the Mekeo district, the Wesleyans in the Islands, the Anglican Mission on the North-East Coast, and many thousands of natives are being taught. At the same time trading relations with Europeans are being established, and the groves of cocoa-nut trees are being extended. Land is offered to settlers at 2*s.* 6*d.* an acre.

The Territory is divided into 4 magisterial districts. There is a Central Court at Port Moresby, but it holds sittings wherever necessary. For native government some simple laws have been passed in the form of regulations, a commencement has been made in the training of native magistrates and village policemen, and a force of armed constabulary of about 60 men, almost exclusively natives, now exists. Revenue from the colony in 1893-94 nearly 6,000*l.*, mostly from customs dues. The possession is believed to contain valuable timbers, the coco and sago palm are plentiful, sandal-wood, ebony, gums, rattans, and other products are found, and much of the country is suitable for sugar and other tropical cultures. Gold is found in the Louisiade Islands, where two or three score of diggers and a number of natives find it. The trade of the possession is confined to Queensland and New South Wales. Imports for 1893-94, 28,501*l.*; exports, 15,000*l.*, exclusive of pearls to the value of 8,000*l.* or 10,000*l.* The chief imports are food stuffs, tobacco, drapery and hardware; exports, trepang, copra, pearl shell, gold, pearls, and sandal-wood.

In 1893-94, 35 vessels of 3,872 tons entered, and 27 of 2,791 tons cleared, exclusive of Government vessels. There is good water communication to some parts of the interior. British New Guinea is treated as a postal district of Queensland, its mails passing through that colony. In 1893-94 the postal movement was: letters, 11,577; newspapers, 8,370; packets, 624.

### Books of Reference.

- Annual Report of Administrator.  
 British New Guinea (Queensland) Act of 1887. Brisbane, 1888.  
 New Guinea, Further Correspondence respecting. London, 1883 and 1890.  
*Albertis* (L. M. d'), New Guinea. Tr. from the Italian. 2 vols. London, 1880. *Journa*  
*of the Expedition on the Fly River.* 8. Sydney, 1887.  
*Bevan* (Th. F.), Toil, Travel, and Discovery in British New Guinea. 8. London, 1890.  
*Chalmers* (J.), and *Gill* (W. Wyatt), Work and Adventure in New Guinea. London, 1885.  
*Kolff* (Dirk Hendrik), Voyages, 1825-26. English Translation by G. W. Earl. 8.  
 London, 1840.  
*Moresby* (Capt. J.), New Guinea and Polynesia. 8. London, 1876.  
*Romilly* (H. H.), The Western Pacific and New Guinea. London, 1886.  
*Romilly* (H. H.), From my Verandah in New Guinea. London, 1889.  
*Stone* (O. C.), A Few Months in New Guinea. London, 1880.

## NEW SOUTH WALES.

### Constitution and Government.

The constitution of New South Wales, the oldest of the Australasian colonies, is embodied in the Act 18 & 19 Vict. cap. 54, proclaimed in 1855, which established a 'responsible government.' The constitution vests the legislative power in a Parliament of two Houses, the first called the Legislative Council, and the second the Legislative Assembly. The Legislative Council consists of not less than twenty-one members (64 in September, 1894), appointed by the Crown for life, and the Assembly at

present has 125 members. An Act, assented to June 13, 1893, provides for the division of the Colony into 125 electorates, each with only one member, and abolishes the property qualification and plural voting. Every male subject 21 years of age, having resided one year in the Colony and three months in his Electoral District, is qualified as an Elector. The elections must all take place on one and the same day. The first general election under this act took place on July 17, 1894. The duration of a parliament is not more than three years. Members of the Legislative Assembly are paid 300*l.* per annum.

In 1893-94 there were 298,817 electors enrolled, or 24·43 per cent. of the population. At the general election of 1894, 204,246 electors out of 296,749 enrolled in contested districts, or 68·82 per cent. of the electors on the roll voted. The executive is in the hands of a Governor, appointed by the Imperial Government.

*Governor.*—The Right Hon. Sir Robert W. Duff, G.C.M.G., P.C. ; assumed office 29th May, 1893.

The Governor, by the terms of his commission, is commander-in-chief of all the troops in the colony. He has a salary of 7,000*l.* ; private secretary, aide-de-camp, and orderlies paid for by the State. In the exercise of the executive he is assisted by a Cabinet of ten ministers, consisting of the following members :—

*Premier and Treasurer.*—Hon. George Houstoun Reid.

*Chief Secretary.*—Hon. James Nixon Brunker.

*Attorney-General.*—Hon. John Henry Want, Q.C.

*Secretary for Lands.*—Hon. Joseph Hector Carruthers.

*Secretary for Public Works.*—Hon. James Henry Young.

*Minister of Public Instruction.*—Hon. Jacob Garrard.

*Postmaster-General.*—Hon. Joseph Cook.

*Secretary for Mines and Agriculture.*—Hon. Sydney Smith.

*Minister of Justice.*—Hon. Albert John Gould.

*Vice-President of the Executive Council and Representative of the Government in the Legislative Council* (without portfolio).—Hon. William Henry Suttor.

The Colonial Secretary and Attorney-General have salaries of 2,000*l.*, and he other ministers of 1,500*l.*

#### LOCAL GOVERNMENT.

Under the 'Municipalities Act of 1867' local government is extended to 172 districts, 72 being designated 'boroughs' and 100 'municipal districts,' in addition to the City of Sydney. A borough must contain a minimum population of 1,000, and an area not larger than 9 square miles ; a municipal district a population of 500, and an area not larger than 50 square miles. The estimated capital value of property within municipal boundaries was returned for 1893-94 at 151,464,000*l.* (this figure includes the city of Sydney, the amount of which is 55,470,000*l.*), 137,500,030*l.* productive lands and houses, and 13,963,970*l.* waste and unimproved lands. The portion of the colony incorporated is small, covering only 2,496 square miles, or the one hundred and twenty-fifth part of its area. The population residing within the municipal area is probably not less than 751,120.

The State grants an endowment to every municipality for a period of 15

years after its incorporation as follows: For the first 5 years a sum equal to the local revenue raised, the second 5 years a moiety, and the third 5 years a fourth of the amount raised by rates and subscriptions. All persons holding household, leasehold, or freehold estate in any municipality, and paying rates, are entitled to from 1 to 4 votes for the election of aldermen and auditors, according to annual value of property. There were 168,640 municipal voters in 1893—94.

**Area and Population.**

The area of the colony is estimated at 310,700 square miles. The colony is divided into various districts for departmental purposes, the most important division being that into 141 counties.

The estimated population on December 31, 1893, was 1,223,370 (658,990 males, and 564,380 females). The population at four successive census periods was:—

Year	Males	Females	Total	Pop. per square mile	Average increase per cent. per annum.
1861	198,488	152,372	350,860	1·13	—
1871	275,551	228,430	503,981	1·62	4·3
1881	411,149	340,319	751,468	2·42	4·9
1891	612,562	519,672	1,132,234	3·64	5·1

According to the race or origin percentages were as follows at the census of 1891:—New South Wales, 64·03; other Australasian colonies, 7·50; Aborigines, 0·73; English, 13·18; Irish, 6·63; Scotch, 3·25; Welsh, 0·44; other British subjects, 0·44; total British subjects, 96·20. Chinese, 1·16; German, 0·85; other foreigners, 1·50; total foreigners, 3·51. Born at sea, 0·17; unspecified, 0·12.

At the census of 1891 there was in the colony a population of aborigines, comprising:—

—	Male	Female	Total
Full Blacks . . . . .	2,896	2,201	5,097
Half-Castes . . . . .	1,663	1,520	3,183
Total . . . . .	4,559	3,721	8,280

included in total census population given above.

According to occupation the number of actual workers was distributed thus at the census of 1891:—

Professional . . . . .	31,491
Domestic . . . . .	55,867
Commerce and Trade . . . . .	86,629
Industries . . . . .	140,451
Agricultural, Pastoral, and Mineral . . . . .	147,026
Indefinite . . . . .	10,423
Total workers . . . . .	471,887

The number of persons classed as “dependents” was 649,203, of whom

12,551 were dependent on public or private charity. There were besides 2,864 persons whose occupations were not stated. The aborigines are not included in this tabulation.

The estimated population of Sydney at the end of 1893 was 421,030, including suburbs; Newcastle, 13,500; Bathurst, 10,000; Goulburn, 12,300; Parramatta, 12,000; Broken Hill, 19,680; Maitland, 10,500; and Albury, 5,600.

The following table shows the births, deaths, and marriages for five years:—

Year	Marriages	Total Births	Illegitimate	Total Deaths	Excess of Births
1889	7,530	37,295	1,987	14,796	22,499
1890	7,876	38,964	2,051	14,217	24,747
1891	8,457	39,458	2,115	16,286	23,172
1892	8,022	40,041	2,289	14,410	25,631
1893	7,749	40,342	2,486	16,022	24,320

The increase in population during the ten years ended 1893 was 362,060. Towards this the excess of births over deaths contributed over 63 per cent.

The following are the statistics of the arrivals and departures by sea as recorded for five years:—

—	1889	1890	1891	1892	1893
Immigrants . . .	61,151	67,799	69,919	62,197	66,909
Emigrants . . .	51,762	54,807	52,073	52,687	58,850
Excess of immigrants .	9,389	12,992	17,846	9,510	8,059

Assisted immigration, which became the policy of New South Wales in 1832, practically ceased in 1887. The total number of assisted immigrants from 1832 to the end of 1893 was 211,852. Of these, 209,276 persons were British-born, 96,300 being from England and Wales, 88,786 from Ireland, and 24,190 from Scotland. The number of assisted immigrants during 1893 was only 120. In 1881 a poll-tax of 10% was imposed on Chinese immigrants, and increased to 100% in 1888 in all the Australian colonies, with the exception of Western Australia and the Northern Territory of South Australia. The arrivals and departures of Chinese have been as follows in five years:—

—	1889	1890	1891	1892	1893
Arrivals . . .	7	15	17	21	34
Departures . . .	941	637	581	755	558

### Religion.

An Act abolishing State aid to religion was passed in 1862. The clergy who received State aid when the Act was passed, and now survive, still receive that aid.

The Church of England in the colony is governed by a Metropolitan who is also Primate of Australia and Tasmania. He is nominated by the Bishops in Australia and consecrated by the Archbishop of Canterbury. There were in 1893 six dioceses (including the Bishop-Auxiliary of Sydney). The affairs of the Church of Rome are administered by seven Bishops under the Cardinal Archbishop of Sydney, who is also Primate of Australasia.

The following are statistics of different religions obtained at the census of 1891 :—

Denomination	Clergy	Adherents	Denomination	Clergy	Adherents
Church of England . . .	333	502,980	Lutherans . . . . .	5	7,950
Roman Catholic . . . .	295	286,911	Unitarians . . . . .	1	1,329
Presbyterian . . . . .	156	109,390	Hebrew . . . . .	3	5,484
Wesleyan . . . . .	133	87,516	Others . . . . .	33	62,574
Other Methodist . . . .	34	22,596			
Congregational . . . . .	65	24,112			
Baptist . . . . .	32	13,112	Total . . . . .	1,090	1,123,954 <sup>1</sup>

<sup>1</sup> Aborigines not included.

### Instruction.

Education is under State control, though many private schools and colleges exist. In 1880 State aid to denominational schools was abolished, and instruction made compulsory between the ages of 6 and 14 years; the children of the poor are educated free. There are not only primary public schools, but also high schools for both sexes.

There were in 1893, 2,520 State schools, divided into 2,744 departments, and classified as follows:—High schools 5; superior public schools 241; primary public schools 1,683; provisional schools 347; half-time schools 369; house-to-house schools 90; evening schools 9; total 2,744.

During 1893 there were 210,277 children enrolled, and an average attendance of 128,322, with 4,527 teachers.

In 1893 the expenditure on State schools was:—State expenditure 641,951*l.*; school fees 73,268*l.*; total expenditure 715,219*l.* Besides the State schools, the Sydney Grammar School (397 pupils), three Industrial Schools (428 pupils), and one school for the deaf, dumb, and blind (69 pupils), receive subsidies from Government.

Of private schools there are 782, with 45,401 pupils and 2,778 teachers, of which 259 schools, 1,359 teachers, and 31,299 pupils are Roman Catholic.

The University of Sydney was opened in 1852, and its degrees in art, law, and medicine are recognised as on an equality with those of the United Kingdom. Government grants a yearly subsidy, amounting, with special aid, to over 18,695*l.* in 1893. The total revenue for 1893 was 38,528*l.* There were 586 students attending ordinary lectures, and 514 students attending extension lectures during 1893. There are 48 professors and lecturers.

There is a technical college, comprising classes in agriculture, physics, applied mechanics, arts, elocution, chemistry, architecture, geology, commercial economy, mathematics, pharmacy, and domestic economy. The total number of students on the roll at the college and branch schools was 7,096 for 1893.

There is a free public library at Sydney, with 101,348 volumes in 1893. The library was visited by 216,089 persons during 1893.

### Justice and Crime.

There are Courts of Magistrates, of Quarter Sessions, and the Supreme Court, with a chief justice and six puisne judges. All prisoners charged with offences bearing sentences of more than six months' imprisonment are tried by a jury of twelve persons, either at Quarter Sessions, or before the Supreme Court. Prisoners charged with capital crimes must be tried before the Supreme Court.

Circuit courts are held at the principal towns in the colony twice a year.

In the metropolitan district police courts are presided over by stipendiary magistrates; in the country districts police magistrates and justices of the peace adjudicate. The licensing of houses for the sale of spirituous and fermented liquors is transacted by magistrates specially appointed for that purpose.

In 1893, 51,299 persons were summarily convicted by magistrates, and 1,533 sent for trial to a higher court.

The police force of the colony is 1,776 strong.

There are in all 58 gaols. On December 31, 1893, there were 2,440 prisoners in confinement.

### Finance.

The following are statistics of revenue for five years:—

Year	Total Revenue	From Taxation	Land Revenue	From Services	From Miscellaneous Sources
	£	£	£	£	£
1889	9,066,941	2,677,169	2,137,563	3,924,955	327,254
1890	9,494,584	2,748,339	2,243,039	4,174,937	328,269
1891	10,036,185	2,916,344	2,266,636	4,605,672	247,533
1892	10,501,104	3,449,787	2,214,062	4,591,498	245,757
1893	9,706,734	2,834,479	2,206,272	4,418,432	247,551

Under the heading "Services" is included revenue from railways, tramways, posts, and telegraphs, &c.

The bulk of taxation is obtained indirectly through the Customs House, as may be seen from the accompanying summary for the year 1893:—

Customs, 2,127,645*l.*; Excise, 265,554*l.*; Stamp Duties, 311,637*l.*; Licences, 129,643*l.*; total, 2,834,479*l.*

The following table shows the public expenditure, exclusive of expenditure from loans, for five years:—

Year	Railways and Tramways	Post and Telegraphs	Interest on Debt and Extinction of Loan	Immigration	Instruction	Other Public Works and Services	Total Expenditure
	£	£	£	£	£	£	£
1889	1,798,033	628,182	1,809,793	8,073	707,211	4,241,363	9,192,655
1890	2,087,080	648,993	2,046,859	5,916	727,910	4,086,804	9,533,562
1891	2,357,032	694,732	2,133,016	4,564	770,813	4,521,516	10,478,673
1892	2,150,671	759,209	1,980,292	2,333	858,543	4,765,865	10,516,913
1893	1,893,347	774,502	2,687,898	3,106	805,330	4,122,839	10,289,022

The amount of the Public Debt on January 1, 1894, was 58,079,033*l.*, with mean rate of interest 3·83 per cent. Of this amount fully 84·74 per cent. has been spent on the construction of railways, tramways, telegraphs, water supply, and sewerage. The net return from these services was equal to 3·33 per cent. of the cost of construction; or 2·92 per cent. of the existing Public Debt, exclusive of treasury bills. The amount authorised still to be raised was 16,096,197*l.*



The expenditure of loans up to December 31, 1893, has been : Railways and tramways, 38,557,903*l.* ; electric telegraphs, 817,286*l.* ; harbours and river navigations, 3,345,342*l.* ; roads and bridges, 854,614*l.* ; immigration, 569,930*l.* ; water supply and sewerage, 6,473,680*l.* ; fortifications and warlike stores, 1,148,327*l.* ; miscellaneous, 2,337,218*l.* ; total services, 54,104,300*l.* In 1884 the nominal rate of interest was fixed at 3½ per cent., at which rate 28,294,200*l.* has been raised.

The financial statistics of the incorporated boroughs and municipal districts are as follows for the municipal year 1893-94 :—

—	Total Annual Value of all Property in Municipalities	Estimated Capital Value of all Property in Municipalities	Revenue exclusive of Loans	Expenditure	Loans Outstanding
	£	£	£	£	£
City of Sydney . . . . .	2,496,175	55,470,000	210,526	360,749	1,260,000
Suburbs . . . . .	3,370,394	53,718,000	274,456	276,475	699,325
Metropolis . . . . .	5,866,569	109,188,000	484,982	637,224	1,959,325
Country . . . . .	2,492,669	42,276,000	318,371	342,493	535,005
Total . . . . .	8,359,238	151,464,000	803,353	979,717	2,494,330

The estimated wealth of the colony at the census of 1891, and at the close of the year 1892, when the latest estimate was made, was as follows :—

—	At census of 1891	At close of 1892.
	£	£
Revenue-yielding railways, waterworks, &c. . . . .	44,958,000	46,752,909
Works and buildings not directly revenue yielding . . . . .	20,313,000	23,493,400
Amount due to lands purchased from the State . . . . .	13,224,000	13,671,200
Public lands leased but not sold . . . . .	94,400,000	98,008,000
Municipal property . . . . .	172,895,000	181,925,500
	6,400,000	7,213,000
Total public wealth . . . . .	179,295,000	189,138,500
Land . . . . .	173,352,000	179,043,000
Houses and improvements . . . . .	129,800,000	126,896,000
Other forms of wealth . . . . .	104,253,000	98,209,000
Total private wealth . . . . .	407,405,000	404,148,000
Total wealth . . . . .	586,700,000	593,286,500

## Defence.

In 1893 the land force of the colony comprised 4,708 men, of whom 534 formed the regular military force, 4,089 volunteers (partially paid), and 85 reserves. The formerly existing Rifle companies have been disbanded. The naval force is composed of 544 men, and the Ordnance Store Department numbers 73 ; making the total defence force 5,325. These forces were divided as follows :—

General, Permanent, Honorary, and Naval Defence Force Staff, 78 ; Cavalry, 352 ; Artillery, 969 ; Engineers, 117 ; Submarine Miners, 86 ; Electricians, 58 ; Mounted Infantry, 362 ; Infantry, 2,433 ; Reserves, 85 ; Medical Staff Corps, 122 ; Naval Brigade, 335 ; Naval Artillery Volunteers, 201 ; Army Service Corps, 49 ; Ordnance Store Department, 73 ; torpedo boats, 5 ; total, 5,325. A naval establishment is expected to be ready in 1895 at Garden Island, Sydney, to replace that at Circular Quay, and, in addition to shore works, torpedo and other boats have been provided. The cost of the defence of the colony during the year 1893 was 211,297*l.* This amount is exclusive of 51,797*l.* loan expenditure on fortifications and military works, and on naval station, Port Jackson.

## Production and Industry.

### I. AGRICULTURE.

In 1893-4 there were 1,206,992 acres, or a little over one-half per cent. of the area of the colony, under cultivation. About one fourth of the total area of the Colony is under forest. The cultivated land is principally to be found in small holdings of less than 500 acres. The colony is divided legally, in accordance with its natural apportionment, into three parts, viz., the Eastern, Central, and Western divisions, and land is obtainable under the following conditions :—1st, by free selection before survey in the two first-mentioned divisions, at the rate of 1*l.* per acre, payable under a system of deferred payments. In the Eastern division the minimum area to be selected is 40 acres, and the maximum 640 acres ; in the Central the maximum is 2,560 acres. 2nd, by additional purchases of the same areas and under like conditions after the completion of the condition of residence upon the original selection. 3rd, by purchasing at double the price above mentioned, without the condition of residence, the maximum area being 320 acres. 4th, Government land is also sold at auction, the upset prices being 8*l.* for town, 2*l.* 10*s.* for suburban, and 1*l.* 5*s.* per acre for country lots. The area sold is not to exceed 200,000 acres annually, and the maximum area for purchasers is 640 acres in one block.

In the Western division the land is leased by the State to pastoral tenants under various forms. The total land alienated or in process of alienation at end of 1893 was 44,352,937 acres. The total land occupied under leases of various kinds is 127,092,070. The total land area of the colony, excluding the surface covered by rivers and lakes, is 195,882,150 acres. The total proceeds of sales during 1862-93 was 48,330,670*l.* The following table gives the statistics of rural holdings of various sizes for the past ten years ending March 31:—

Acreage	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
1 to 15 acres . . .	5,409	5,877	6,512	7,038	6,889	7,290	8,804	9,201	10,164	10,892
16 to 200 . . .	20,998	21,174	21,288	21,651	21,503	22,048	22,153	22,815	23,790	24,062
201 to 400 . . .	6,363	6,285	6,382	6,481	6,612	6,774	7,059	7,392	7,796	7,821
401 to 1,000 . . .	6,497	6,611	6,792	6,778	6,750	6,849	6,906	7,158	7,453	7,313
1,001 to 2,000 . . .	1,886	1,811	1,948	2,010	2,089	2,191	2,388	2,402	2,547	2,508
2,001 to 10,000 . . .	1,413	1,406	1,458	1,618	1,774	1,810	1,994	1,905	2,006	2,012
10,001 and upwards	513	563	552	566	580	658	656	677	672	643
Total . . .	43,079	43,727	44,932	46,142	46,197	47,620	49,960	51,550	54,428	55,251

The area under cultivation in New South Wales during the last four years and the crops produced were as follows :—

Year ending 31 March	1891		1892		1893		1894	
Area under Cultivation	Acres 1,241,419		Acres 1,179,621		Acres 1,010,727		Acres 1,206,992	
Principal Crops	Area	Produce	Area	Produce	Area	Produce	Area	Produce
	Acres	Bush. Tons	Acres	Bush. Tons	Acres	Bush. Tons	Acres	Bush. Tons
Wheat	Grain .	333,233 3,649,216	356,666	3,963,668	452,921	6,817,457	593,810	6,502,715
	Hay .	83,827 96,014	66,435	75,883	89,396	116,061	101,875	100,482
Maize		191,152 5,713,205	174,577	5,721,706	167,549	5,037,256	205,885	7,067,576
Barley	Grain .	4,937 81,383	4,459	93,446	4,618	91,701	6,113	114,272
	Hay .	938 1,179	978	1,590	1,701	2,719	997	1,342
Oats	Grain .	14,102 256,659	12,958	276,259	20,890	466,603	34,148	701,803
	Hay .	70,463 71,805	76,589	86,077	101,981	132,426	82,750	94,128
Potatoes		19,406 52,791	22,560	62,283	18,502	52,105	26,559	83,838
Lucerne and sown grasses (Hay)		20,014 44,536	19,861	45,867	21,390	50,928	19,802	39,647
Tobacco		1,148 14,021	886	9,314	848	8,344	854	10,858

Year ending 31 March	Sugar-cane		Vines			
	Total Area	Tons	Total Area	Wines	Brandy	Table Fruit
				Gallons	Gallons	Tons
1891	20,446	277,252	8,044	842,181	6,704	3,355
1892	22,262	185,258	8,281	913,107	6,114	3,694
1893	26,751	264,832	8,264	931,542	5,355	5,916
1894	28,112	252,606	7,375	748,929	—	3,216

The principal fruit-culture of the colony is that of the orange. There were in 1894, 11,967 acres under oranges, with an estimated production of 800,024 cases, or 12,000,360 dozen.

On January 1, 1894, the colony had 56,980,688 sheep, 2,155,500 horned cattle, 481,399 horses, 240,860 pigs.

There were 122,309 persons engaged in agricultural and pastoral pursuits during the year 1893-94.

In 1887 a Forest Conservation Department was created and attached to one of the principal State departments. The timber reserves, in which State forests are included, number 1,068, and cover an area of 5,148,000 acres. The following are the general statistics for five years :—

Year	Timber cut in Reserves subject to Royalty	Revenue from Royalties, Licences, &c.	Quantity of Timber Sawn	Value of Timber Sawn
	Sup. ft.	£	Sq. ft., 1 in. thick	£
1888	19,679,069	19,019	185,000,000	678,500
1889	16,225,207	16,521	185,021,000	763,210
1890	10,978,967	15,437	201,505,000	722,410
1891	12,760,497	18,455	—	—
1892	15,772,348	16,176	229,696,000	937,920
1893	10,000,000 <sup>1</sup>	9,547	196,114,000	988,870

<sup>1</sup> Approximately.

## II. MINES AND MINERALS.

Gold is found in all parts of the territory. The total value raised to the close of the year 1893 was 39,853,952*l*.

The following table shows the quantity and value of the gold, the produce of New South Wales, coined or exported since its discovery in 1851:—

Periods	Weight	Value
	Oz.	£
1851-70	6,823,875	25,206,685
1871-75	1,612,227	6,207,265
1876-80	639,435	2,363,403
1881-85	624,835	2,325,501
1886-90	546,726	1,972,328
1891	153,336	558,306
1892	156,870	569,178
1893	179,288	651,286
Total . . .	10,736,592	39,853,952

Most of the gold produced in the colony is received at the Mint for coinage, and only about twenty per cent. is exported without passing through that institution.

The value of silver and silver-lead ore exported to the end of 1893 was 16,692,435*l*. In 1893, 531,972 ounces of silver were raised, valued at 78,131*l*., and 214,260 tons of silver-lead ore and metal, altogether valued at 2,953,589*l*.

The value of copper raised in 1893 was 73,287*l*. The estimated value of copper raised from its discovery in 1858 until the end of 1893 amounted to 3,669,769*l*.

The value of the tin produced in 1882 was 833,461*l*., in 1885 415,626*l*., in 1887 525,420*l*., in 1893 126,114*l*. The total value of the output of tin since the mines were opened in 1872 has been 5,954,771*l*.

In 1893 there were 96 coal mines, employing 10,028 men; the quantity of coal raised in 1893 was 3,278,328 tons, valued at 1,171,722*l*. The estimated value of coal raised to the close of 1893 amounted to 28,443,151*l*.

There are 15 smelting furnaces in the colony, principally for the smelting of silver, tin, and copper ores. It is estimated that there were 31,369 persons employed in mining and smelting during 1893.

## III. MANUFACTURES.

The following classification of manufactories, number of hands employed, and capital invested is compiled from the returns of 1893, as far as the number of establishments and hands employed is concerned, and from the Census returns of 1891 for the capital invested:—

Classification	No. of Works	Hands	Capital Invested
			£
Treating raw pastoral products . . . . .	189	3,045	729,908
Preparation of foods and drinks . . . . .	472	7,243	4,899,007
Clothing and textile fabrics . . . . .	82	4,508	1,550,415
Building materials . . . . .	532	5,709	2,007,716
Metal works, machinery, &c. . . . .	214	7,462	2,893,429
Docks, slips, ship-building, &c. . . . .	26	1,407	262,475
Furniture, bedding, &c. . . . .	44	637	298,684
Paper, printing, binding, &c. . . . .	153	4,138	1,089,319
Vehicles, harness, saddlery . . . . .	152	1,375	545,598
Light and heat . . . . .	54	1,976	569,132
Other works . . . . .	175	2,211	804,021
Total . . . . .	2,093	39,711	15,649,704

### Commerce.

The following table shows the value of the total trade of the colony for five years :—

Year	Total Imports	Total Exports
	£	£
1889	22,863,057	23,294,934
1890	22,615,004	22,045,937
1891	25,383,397	25,944,020
1892	20,776,526	21,972,247
1893	18,107,035	22,921,223

The total revenue from Import duties in 1893 amounted to 2,114,943*l.*, or 11·68 per cent. of the total value of the imports.

The following table gives the values of the total exports, home and foreign produce, for the last five years :—

Year	Home Produce Exported	Foreign Produce Exported	Total Exports
	£	£	£
1889	17,423,311	5,871,623	23,294,934
1890	17,232,725	4,813,212	22,045,937
1891	21,103,816	4,840,204	25,944,020
1892	17,707,102	4,265,145	21,972,247
1893	17,094,213	5,827,010	22,921,223

Wool is the staple export of the colony. The following is a table of the total quantities and values of wool exported in the last ten years :—

Year	Weight	Value	Year	Weight	Value
	Lbs.	£		Lbs.	£
1884	183,016,518	9,382,500	1889	266,229,029	10,785,070
1885	173,373,425	7,678,247	1890	243,738,266	9,232,672
1886	178,650,611	7,201,976	1891	340,691,382	11,312,980
1887	224,295,209	9,200,071	1892	323,052,014	10,540,147
1888	243,256,253	9,358,515	1893	344,982,876	10,449,911

Values of imports are furnished by importers or their agents. In the case of articles subject to specific duties, the values given are understood to represent the values at the port of shipment, together with all charges, such as freight, insurance, packing, and portage, to the port of arrival in New South Wales. In the case of articles subject to ad valorem duties the values are supposed to represent the market values of the goods (less packing) at the time and place of exportation, with ten per cent. added thereto. In the case of goods free of duty, importers' valuations are taken, checked, and, if necessary, corrected by Customs officials. Values of exports are supposed to be values at port of shipment. Bills of entry have to be furnished by exporters, and are checked by Customs officials as far as possible. Quantities of both imports and exports are taken from merchants' invoices checked by Customs officials. The country whence goods are imported is taken as the country of origin, and the country to which goods are exported, as the country of destination. No inquiry is made after prime origin or ultimate destination of goods. As far as possible, goods which merely undergo refining &c., and not a manufacturing process, in the

colony are not classed as domestic produce. No statistics are collected in regard to transit trade. As all possible care is taken by the Customs officials to obtain correct values, it may be assumed that the values as published, are sufficiently accurate for statistical purposes. Properly so called there is very little transit trade through New South Wales, nevertheless Sydney is the distributing centre for large quantities of British and other European goods (in 1893 £2,847,722), chiefly for Queensland, New Zealand, and the South Seas. Goods transhipped are not included with imports or exports.

The following table shows the direction of the sea-borne trade of New South Wales in 1893 :—

—	Imports from	Exports to
	£	£
United Kingdom . . .	7,218,124	8,269,507
Australasian colonies . . .	6,197,776	3,174,102
Other British possessions . . .	565,491	419,264
United States . . .	526,331	626,566
Other foreign countries . . .	901,302	3,724,848
<b>Total . . . . .</b>	<b>15,409,024</b>	<b>16,214,287</b>

The overland trade was as follows for the last five years :—

Year	Imports	Exports	Total
	£	£	£
1889	3,150,698	6,919,491	10,060,189
1890	4,707,341	8,026,376	12,733,717
1891	4,319,204	8,630,248	12,949,452
1892	2,928,417	6,034,211	8,962,628
1893	2,698,011	6,706,936	9,404,947

The direct commercial intercourse (exclusive of gold) of the colony with the United Kingdom is shown in the following tabular statement, according to the Board of Trade Returns, for six years :—

—	1888	1889	1890	1891	1892	1893
	£	£	£	£	£	£
Imports into U. K. from N. S. W. . . .	8,708,250	8,702,648	8,791,239	10,187,746	9,932,716	9,248,659
Exports of British produce to N. S. W. . . .	8,078,311	7,014,827	7,334,666	8,999,969	6,566,352	4,831,548

The staple article of import from New South Wales into the United Kingdom is wool, the quantities and values of which were as follows in each of the last five years :—

Year	Quantity	Value
	Lbs.	£
1889	152,267,520	6,425,056
1890	127,402,559	5,796,529
1891	165,465,000	6,612,224
1892	181,836,921	6,574,896
1893	150,096,324	5,367,474

Next to wool, the most important articles of import into Great Britain from New South Wales are tin, of the value in 1893 of 230,222*l.*; silver ore, 883,051*l.*; copper, 65,592*l.*; tallow, 787,283*l.*; leather, 192,773*l.* The exports from Great Britain to New South Wales consist of all the principal articles of British manufacturing industry, chief among them iron of the value of 522,872*l.*; apparel and haberdashery, 660,401*l.*; cotton goods, 595,673*l.*; woollen goods, 372,723*l.* in 1893.

### Shipping and Navigation.

The shipping on the registers of the Colony at the close of 1893 consisted of 494 sailing vessels of 55,683 tons, and 475 steamers of 54,512 tons; total 969 vessels of 110,195 tons, while the shipping registered during the year consisted of 32 sailing vessels of 5,972 tons, and 33 steamers of 4,200 tons; total 65 vessels of 10,172 tons.

The number and tonnage of British and foreign vessels entered and cleared, with cargoes and in ballast, during three years were:—

Year	British		Foreign		Total		
	Vessels	Tonnage	Vessels	Tonnage	Vessels	Tonnage	
1891	Entered .	2,712	2,431,561	309	390,337	3,021	2,821,898
	Cleared .	2,776	2,471,046	324	401,292	3,100	2,872,338
1892	Entered .	2,706	2,473,933	254	330,616	2,960	2,804,549
	Cleared .	2,806	2,503,917	261	338,718	3,067	2,842,635
1893	Entered .	2,749	2,349,112	165	241,259	2,914	2,590,371
	Cleared .	2,750	2,355,188	166	247,769	2,916	2,602,957

Of the total cleared in 1893, 1,323 of 1,585,857 tons were from Sydney, and 808 of 842,363 tons were from Newcastle.

### Internal Communications.

At the end of 1893 there were 6,260 miles of Government roads metalled, gravelled, or ballasted; 4,148 formed and drained, and 11,167 cleared and partly drained; 11,968 not cleared; and 1,606 mountain passes; also 7,344 miles of roads in municipalities.

The following are particulars of the Government railways in the colony on June 30, 1894:—Lines open for traffic, 2,501 miles. The total amount of money expended on railway construction and equipment to June 30, 1894, was 35,855,271*l.* The gross earnings for 1893-94 amounted to 2,813,541*l.*, working expenses 1,591,842*l.*, and percentage of working expenses to the gross earnings, 56.58. There were also, at the close of 1893, 84 miles of private railways, which had a capital expenditure of 544,858*l.*

The tramways are the property of the Government. There were, on June 30, 1894, 58½ miles open for traffic, the capital cost being 1,248,986*l.* The gross earnings for 1893-94 were 278,194*l.*; the working expenses, 229,283*l.*; and the percentage of working expenses to revenue 82.42.

In 1893 there were 1,423 post-offices and 404 receiving-offices; number of letters carried, 77,540,500; post-cards, 850,420; newspapers, 44,927,900; packets and book-parcels, 12,060,600; parcels, 63,702; money orders issued, 530,546 for 1,615,885*l.*

At the end of December 1893 there were in operation 27,326 miles of telegraph wire; cost of construction, 820,822*l.*; stations, 724; number of telegrams, 2,853,691; receipts, 200,137*l.*; and the net revenue, 157,482*l.* The total revenue of the departments under the control of the Postmaster-General was 755,918*l.*, and the expenditure, 883,066*l.*

### Money and Credit.

Statistics of money and bills in circulation within the colony for five years are given below:—

Year	Gold	Silver	Bronze	Notes	Bills
	£	£	£	£	£
1889	8,487,851	517,440	29,720	1,489,153	96,459
1890	9,153,250	541,478	31,140	1,503,404	119,938
1891	8,280,261	561,062	32,487	1,596,761	139,815
1892	9,000,496	578,452	34,841	1,439,872	104,223
1893	10,501,126	601,938	35,182	1,804,531	75,086

The figures given for gold, silver, and bronze in circulation are estimates made by the authorities of the Sydney Branch of the Royal Mint.

Value of gold, silver, and bronze coin issued at the Royal Branch Mint, Sydney, during five years, was:—

Year	Gold	Silver	Bronze	Total
	£	£	£	£
1889	3,294,000	22,375	1,560	3,317,935
1890	2,808,000	35,175	1,460	2,844,635
1891	2,673,000	17,200	1,980	2,692,180
1892	2,837,000	13,925	2,065	2,852,990
1893	2,969,000	10,025	840	2,979,905

The assets of the banks trading in New South Wales, according to returns relating to operations within the Colony for the last quarter of each of the last five years, were:—

Year	Coin	Bullion	Landed Property	Notes and Bills discounted, &c.	Notes and Bills of other Banks	Balances due from other Banks	Total Assets
	£	£	£	£	£	£	£
1889	4,984,874	82,704	1,542,621	40,756,616	306,464	2,479,071	50,152,350
1890	5,619,111	87,659	1,644,179	43,009,559	287,568	1,788,901	52,436,977
1891	4,716,067	79,768	1,634,605	45,001,118	265,268	1,771,710	53,468,536
1892	5,217,371	95,894	1,801,590	44,135,729	227,795	1,899,513	53,317,892
1893	5,877,891	95,386	1,918,196	40,024,354	429,620	2,393,265 <sup>1</sup>	50,887,179

<sup>1</sup> Inclusive of Legal Tender and Treasury Notes, £48,467.

The liabilities of the banks (exclusive of those to shareholders) were:—

Year	Notes in Circulation	Bills in Circulation	Deposits not bearing Interest	Deposits bearing Interest	Total Deposits	Balances due to other Banks	Total Liabilities
	£	£	£	£	£	£	£
1889	1,516,047	120,498	9,825,194	23,951,948	33,777,142	258,103	35,671,790
1890	1,557,805	127,442	10,064,518	25,395,600	35,460,118	103,572	37,248,937
1891	1,673,425	115,090	9,188,873	26,470,817	35,659,690	108,530	37,556,735
1892	1,439,872	104,223	9,207,109	26,357,083	35,564,192	63,093	37,171,380
1893	1,804,531	75,086	8,557,840	23,584,119	32,141,959	80,596	34,102,172

During the financial crisis of 1893 eight of the banks suspended, but re-opened shortly afterwards on a reconstructed basis, and financial operations soon regained their equilibrium.



Of the Savings Bank of New South Wales, established in 1832, the Governor is president, and by him the trustees are appointed. Besides the head office in Sydney there are fifteen branches in the country districts. There are also post-office savings-banks. Statistics are given below of both branches of savings-banks :—

Year	Number of Depositors	Amount on Dec. 31	Average per Depositor		
			£	s.	d.
1889	134,914	4,280,083	31	14	6
1890	143,826	4,730,469	32	17	10
1891	158,426	5,342,135	33	14	5
1892	167,726	5,706,081	34	0	5
1893	179,727	6,535,758	36	7	4

There are also savings-banks in connection with Land, Building, and Investment companies.

*Agent-General in London.*—Hon. Sir Saul Samuel, K.C.M.G., C.B.;  
*Secretary,* Samuel Yardley, C.M.G.

Under the supervision of the Governor of New South Wales are NORFOLK ISLAND, 29° S. latitude, 168° E. longitude, area 10 square miles, population about 750; PITCAIRN ISLAND, 25° S., 130° W., area 3 square miles, population 120; and LORD HOWE ISLAND, 31° 30' S., 159° E., population 55.

### Books of Reference.

The Wealth and Progress of New South Wales. By T. A. Coghlan, Government Statistician. Published annually since 1887. Sydney.

New South Wales Blue Book. Published annually. Sydney.

New South Wales Statistical Register. Published annually since 1858. Sydney.

Report on the Eleventh Census (1891). By T. A. Coghlan, Government Statistician. Sydney, 1894.

Railways of New South Wales. Report of Commissioners. Published annually. Sydney.

Report of Mining Department. Published annually. Sydney.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions. Annual. London.

*Chalmers* (R.), A History of Currency in the British Colonies. London, 1893.

*Fergusson* (D.), Vicissitudes of Bush Life in Australia and New Zealand. 8. London, 1891.

*Griffin* (G. W.), New South Wales, Her Commerce and Resources. 8. Sydney, 1888.

*Lang* (John Dunmore, D.D.), Historical and Statistical Account of New South Wales. 4th edit. 2 vols. 8. London, 1874.

*Liversidge* (A., M.A., F.R.S.), Minerals of New South Wales, &c. London, 1888.

*Maiden* (J. H., F.L.S., F.C.S., &c.), Useful Native Plants of Australia. Sydney and London.

*Parkes* (Sir H.), Fifty Years in the Making of Australian History. 2 vols. 8. London, 1892.

*Roydhouse* (T. R.), The Labour Party in New South Wales. 8. London, 1892.

## NEW ZEALAND.

### Government and Constitution.

The present form of government for New Zealand was established by statute 15 & 16 Vict., cap. 72, passed in 1852. By this Act the colony was divided into six provinces, afterwards increased to nine, each governed by a Superintendent and Provincial Council, elected by the inhabitants according to a franchise practically amounting to household suffrage. By a subsequent Act of the Colonial Legislature, 39 Vict., No. xxi., passed in 1875, the provincial system of government was abolished, and the powers previously exercised by superintendents and provincial officers were ordered to be exercised by the Governor or by local boards. By the terms of this and other amending statutes, the legislative power is vested in the Governor and a 'General Assembly' consisting of two Chambers—the first called the Legislative Council, and the second the House of Representatives. The Governor has the power of assenting to or withholding consent from bills, or can reserve them for Her Majesty's pleasure. He summons, prorogues, and dissolves the Parliament. He can send drafts of bills to either House for consideration, but in case of appropriations of public money must first recommend the House of Representatives to make provision accordingly before any appropriations can become law. He can return bills for amendment to either House.

The Legislative Council consists at present of forty-six members, who are paid at the rate of 150*l.* per annum. Those appointed before September 17, 1891, are life members, but those appointed subsequently to that date hold their seats for seven years only, though they are eligible for reappointment. By an Act passed in 1887, the number of members of the House of Representatives was reduced to seventy-four, including four Maoris, elected by the people for three years. They are paid at the rate of 240*l.* per annum. The qualifications of electors for European representation are:—(a) Residence in the colony for one year, and in the electoral district for three months immediately preceding registration, in case of Europeans of both sexes 21 years of age and upwards; (b) freehold estate of the value of 25*l.*; (c) for Maoris 21 years of age, freehold estate of the value of 25*l.* No person may be registered on more than one electoral roll. Women cannot be members of either branch of the Legislature.

For Maori representation every adult Maori resident in any Maori electoral district—of which there are four only in the colony—can vote.

At the general election in 1893 there were 302,997 (193,536 men and 109,461 women) electors on the rolls for the electoral districts, which returned 70 European members to the House of Representatives; and at the election of the four Maori members for the districts under the Maori Representation Act, 11,269 votes of natives were recorded.

The proportion of representation to population was in 1893 one European member in the House of Representatives to every 9,603 persons, and one Maori member to every 10,498 natives.

The proportion of electors to population in the year 1893 was one to every 2·2 persons.

*Governor.*—The Right Honourable the Earl of Glasgow, G.C.M.G., appointed Governor of New Zealand, 7th June, 1892.

The Governor, who is by virtue of his office Commander-in-Chief of the forces, has a salary of 5,000*l.*, which is to cover all expenses of his establishment and for travelling.

The general administration rests with a responsible Ministry consisting of about seven members.

The following is the list of the present Ministry:—

*Premier, Minister for Public Works, Minister of Native Affairs and Defence.*—Hon. R. J. Seddon.

*Attorney-General and Colonial Secretary*—Hon. Sir P. A. Buckley, K.C.M.G.

*Minister of Education and of Labour, and Commissioner of Stamp Duties.*—Hon. W. P. Reeves.

*Minister of Lands and Immigration, Minister of Agriculture and Commissioner of Forests.*—Hon. J. Mackenzie.

*Colonial Treasurer, Postmaster-General, Electric Telegraph Commissioner, Commissioner of Customs, Minister of Marine and of Industries and Commerce.*—Hon. J. G. Ward.

*Minister of Justice and of Mines.*—Hon. A. J. Cadman.

*Member of Executive Council (without portfolio) representing the Native Race.*—Hon. J. Carroll.

*Member of Executive Council (without portfolio).*—Hon. W. Montgomery.

*Speaker of the House of Representatives.*—Hon. Sir George Maurice O'Rorke, Kt.

The control of native affairs, and the entire responsibility of dealing with questions of native government, were transferred in 1863 from the Imperial to the Colonial Government. In 1864 the seat of the general Government was removed from Auckland to Wellington on account of the central position of the latter city.

#### LOCAL GOVERNMENT.

New Zealand is divided into counties and boroughs for purposes of local government. The counties are subdivided into ridings. County councils are empowered to constitute road districts on petition being made. Besides the

road districts, which are very numerous, there are town districts and river and harbour boards.

The ratepayers in the road districts of a county are qualified as electors for the purposes of the county council, and the members of each road board are elected by the ratepayers of the district.

### Area and Population.

There are two principal islands, known as the North and Middle Islands, besides the South or Stewart's Island, and small outlying islands. The group is nearly 1,000 miles long, and 200 miles across at the broadest part. Its coast line extends over 3,000 miles. New Zealand is situated 1,200 miles to the east of the Australian continent. It was first visited by Tasman in 1642, afterwards by Captain Cook in 1769.

The area of New Zealand is estimated at 104,471 square miles. The North Island is estimated to embrace an area of 44,468 square miles, the Middle Island 53,525, while Stewart's Island has an area of 665 square miles. New Zealand was officially established as a colony in 1840. The total acreage of the colony is 66,710,320, and up to the end of 1893, 20,702,000 acres had been alienated from the Crown. The following table gives the population of New Zealand, exclusive of aborigines, at various dates, according to census returns:—

Years	Males	Females	Total	Increase per cent. per annum
1858	33,679	25,734	59,413	—
1864	106,580	65,578	172,158	19
1871	150,267	105,993	256,260	6·3
1878	230,998	183,414	414,412	8
1881	269,605	220,328	489,933	6
1886	312,221	266,261	578,482	3·6
1891	332,877	293,781	626,658	1·7

The population of each provincial district and its area, with the population per square mile, is shown in the succeeding table as at last census (1891):—

Provincial District	Square Miles	Population	Persons to a square mile
Auckland . . . . .	25,746	133,159	5·17
Taranaki . . . . .	3,308	22,065	6·70
Wellington . . . . .	11,003	97,725	8·90
Hawke's Bay . . . . .	4,410	28,506	6·44
Marlborough . . . . .	4,753	12,767	2·69
Nelson . . . . .	10,269	34,770	3·38
Westland . . . . .	4,641	15,887	3·42
Canterbury . . . . .	14,040	128,392	9·15
Otago . . . . .	25,487	153,097	6·00

In April 1891 the population of the North Island was 281,445; of the South Island, including Stewart's Island, 344,913. In 1876, New Zealand, previously divided into ten provinces, was divided into counties and boroughs. The census of 1891 gave the total population as 668,651, including 41,993 Maoris. The total included 4,444 Chinese, of whom only 18 were females.

Of the Maoris, 22,861 were males, and 19,132 females. The total number includes 2,760 half-castes, living as members of Maori tribes, and 251 Maori wives of European husbands. In 1857 the number of Maoris was estimated at 56,049, but this statement is not closely reliable.

Of the total population, excluding Maoris, in 1891, 605,196 persons, or 96.72 per cent., were British-born subjects. Of these, 366,716, or 58.61 per cent., were born in New Zealand, and 218,834, or 34.97 per cent., born in the United Kingdom (117,070 in England, 2,214 in Wales, 51,916 in Scotland, and 47,634 in Ireland).

The foreign subjects numbered 14,594, or 2.33 per cent. of the population.

Excluding the Chinese, 67.62 per cent. of the population was found to be unmarried; 29.18 per cent. married; and 3.20 widowers or widows.

Of the population, enumerated in April 1891, 352,097 lived in the rural districts; 270,343 or 43.14 per cent., lived in boroughs; 913 lived on adjacent islands, and 3,305 were on board ship.

Of the total population in 1891, 59.67 per cent. were returned as dependents; 14.45 per cent. as agricultural, pastoral, mineral, and other primary producers; 11.25 per cent. industrial; 6.89 per cent. commercial; 3.98 per cent. domestic; 2.52 per cent. professional; and 1.24 per cent. indefinite.

At the census of 1891 there were four towns with over 10,000 inhabitants in New Zealand—namely, Auckland, 28,613, or with suburbs, 51,127; Wellington (the seat of Government), 31,021, or with suburbs, 33,224; Christchurch, 16,223, or with suburbs, 47,846; and Dunedin, 22,376, or with suburbs, 45,865 inhabitants.

The estimated population of the colony, excluding 41,993 Maoris, was on December 31, 1893, 672,265 persons (357,635 males and 314,630 females).

## MOVEMENT OF THE POPULATION.

### *Births, Deaths, and Marriages.*

Years	Total Births	Illegitimate Births	Deaths	Marriages	Excess of Births over Deaths
1889	18,457	612	5,772	3,632	12,685
1890	18,278	603	5,994	3,797	12,284
1891	18,273	638	6,518	3,805	11,755
1892	17,876	593	6,459	4,002	11,417
1893	18,187	673	6,767	4,115	11,420

The birth rate for the year 1893 was 27.50 per 1,000 persons living; the death rate was 10.23 per 1,000; and the marriage rate, 6.22.

### *Immigration and Emigration.*

Years	Immigrants	Emigrants	Excess of Immigration over Emigration
1889	15,392	15,178	214
1890	15,028	16,810	-1,782 <sup>1</sup>
1891	14,431	17,629	-3,198 <sup>1</sup>
1892	18,122	13,164	4,958
1893	26,135	15,723	10,412

<sup>1</sup> Decrease, excess of emigration.

### Religion.

There is no State Church, and no State aid is given to any form of religion. When the settlements of Canterbury and Otago were originally founded, the bodies in connection with the Church of England and the Free Church of Scotland respectively obtained endowments from the Societies by which the settlements were organised, which they still retain. For purposes of the Church of England the colony is divided into six dioceses—Auckland, Waiapu, Wellington, Nelson, Christchurch, and Dunedin. The Roman Catholic Church has four dioceses. The Archbishop resides at Wellington. The list of officiating clergy under the Marriage Act shows the numbers given below. The churches and chapels are given from the census of 1891:—

Denomination	Number of clergy (1894)	Number of churches and chapels, &c.	Denomination	Number of clergy (1894)	Number of churches and chapels, &c.
Church of England	270	414	Baptist . . .	20	35
Presbyterian .	185	370	Other Christian		
Roman Catholic .	181	193	bodies . . .	31	175
Methodist bodies .	171	376	Hebrew . . .	5	5
Congregational .	19	30			

According to the census of 1891, 40·51 per cent. of the population (exclusive of Maoris) belonged to the Church of England, 22·62 were Presbyterians, 10·14 per cent. Methodists, other Protestant sects represented being Baptists, Independents, Lutherans, Friends, and Unitarians. The total Protestants numbered 485,972, and Roman Catholics, 85,856, or 13·73 per cent. of the population. There were 1,463 Jews, 3,928 Pagans, and 15,342 objected to state their religion.

### Instruction.

The University of New Zealand is solely an examining body, and grants degrees by virtue of a royal charter. It receives an annual grant of 3,000*l.* It awards scholarships to be held by students at affiliated colleges. The number of graduates admitted after examination is 422. There are three affiliated colleges—the Otago University at Dunedin, with 9 professors and 16 lecturers; the Canterbury College at Christchurch, with 6 professors and 4 lecturers; and the Auckland University College, with 6 professors. They are all endowed with lands. Total students (1893) 680, of whom 422 were matriculated.

At the end of 1893 there were in operation 24 incorporated or endowed secondary schools, with 166 teachers and 2,251 pupils. Five endowed schools were not in operation. The income of all the schools for 1893 was about 58,500*l.*, of which 26,351*l.* was from endowments, and 19,810*l.* from fees. The colonial primary school system is administered by an Education Department, under a Minister, 13 Education Boards, and 1,132 School Committees. There are 1,355 public primary schools, with 3,268 teachers, and 124,690 scholars on the rolls; average attendance, 99,872. School age is from 5 to 15. Education is compulsory between the ages of 7 and 13 in those districts in

which the school committees bring the compulsory clauses of the Act into operation. The instruction given at the public schools is secular only, and for the ordinary standard course entirely free. Where there are no secondary schools classes may be formed in the public school for extra subjects, for which fees are charged. The system is maintained by a statutory allowance of 3*l.* 15*s.* per annum to the boards for each average attendance; by special votes of about 10,800*l.* per annum for inspection and scholarships; and by further special votes for school buildings, of which the amounts vary according to circumstances.

There are 62 native village schools, with 105 teachers, 2,220 scholars on the rolls, and average attendance of 1,585; and 4 boarding schools for native children, at which 62 Government scholars are under instruction. Total net expenditure by Government on native schools in 1893 was 12,405*l.*

Total Government expenditure in 1893-94 upon education of all kinds 434,637*l.*, including 9,567*l.* for industrial schools.

There are 298 private schools, 737 teachers, and 14,908 scholars.

There is a medical school, and a school of mines; a school of agriculture, 2 normal schools, 4 schools of art.

In 1891 there were 298 public libraries, mechanics' institutes, and other literary and scientific institutions, with 14,489 members, 330,770 volumes. There are now (1894) 52 daily papers, 15 published three times a week, 25 twice a week, 62 once a week, and 23 monthly.

### Justice and Crime.

The administration of justice is in the hands of five supreme court judges, four judges of district courts, and thirty-one stipendiary magistrates. Magistrates courts are held daily in the principal centres and at convenient times in the smaller towns. There are numerous justices of the peace.

The convictions for the last five years in the superior and inferior courts were:—

—	1889	1890	1891	1892	1893
Europeans summarily convicted . . . . .	13,861	13,885	13,051	13,300	13,454
Europeans convicted before supreme or district courts . . . . .	224	192	214	180	260

There are 10 principal gaols and 30 minor gaols. At the end of 1893 these gaols contained 502 prisoners. The police force consists of 486 officers and men.

### Pauperism.

The Government does not deal directly with pauperism. The colony is divided into hospital and charitable aid districts. The boards rate the local bodies within their boundaries, and receive Government subsidy equal to what is raised. There are, besides, what are called 'separate institutions,' or 'incorporated hospitals and benevolent societies,' which receive from Government 24*s.* a pound on private subscriptions. The total sum paid in 1893 out of the Consolidated Fund was 67,143*l.*

At the end of 1893 the number of indoor pauper cases was 782.

1,550 children (852 boys and 698 girls) were wholly or in part maintained by the Government in industrial schools and other institutions, or were boarded out.

### Finance.

The ordinary and territorial revenue and expenditure for five calendar years are given below. The figures exclude all advances, refunds, and cross entries of all kinds.

### REVENUE.

Years ended 31st Dec.	Ordinary Revenue							Territorial Revenue	Total Revenue
	From Taxation			Railways	Postal <sup>2</sup> and Telegraph	Other Sources	Total Ordinary		
	Direct	Indirect	Total <sup>1</sup>						
£	£	£	£	£	£	£	£	£	
1889	557,137	1,528,856	2,085,993	1,018,212	329,440	202,123	3,635,768	356,151	3,991,919
1890	579,262	1,593,903	2,173,165	1,143,989	340,563	186,145	3,843,862	364,166	4,208,028
1891	572,754	1,609,775	2,182,529	1,114,055	363,029	144,694	3,804,307	341,924	4,146,231
1892	676,369	1,716,427	2,392,796	1,154,592	299,603	192,410	4,039,401	349,850	4,389,251
1893	608,637	1,740,384	2,349,021	1,169,987	322,906	221,217	4,063,131	344,832	4,407,963

<sup>1</sup> The amounts stated above as the revenue received from taxation sources do not represent the true taxation for each year, on account of the property tax being collected in the latter part of any one year and the beginning of the next. The true taxation per head of population was 3*l.* 5*s.* 9*d.* in 1884, 3*l.* 9*s.* 11*d.* in 1890, and 3*l.* 11*s.* 2*d.* in 1893.

<sup>2</sup> Not including revenue from telephone. The amount was 19,252*l.* in 1890-91, 19,155*l.* in 1892-93, and 21,771*l.* in 1893-94.

### EXPENDITURE.

Years ended 31st Dec.	Charges of the Public Debt	Railways	Public Instruction	Postal and Telegraphs	Constabulary, Militia, and Volunteers	Other Ordinary Expenditure	Total Ordinary Expenditure	Territorial Expenditure	Total Expenditure
£	£	£	£	£	£	£	£	£	£
1889	1,616,501 <sup>1</sup>	626,939	377,716	273,754	157,119	702,262	3,754,291	227,430	3,962,912
1890	1,640,289 <sup>1</sup>	725,932	397,885	257,684	168,492	680,157	3,869,839	211,726	4,081,565
1891	1,597,362 <sup>1</sup>	727,609	441,269	253,080	180,913	710,648	3,910,881	224,662	4,135,543
1892	1,601,706 <sup>1</sup>	690,627	408,208	283,693	164,371	672,157	3,820,762	223,928	4,044,690
1893	1,601,890 <sup>1</sup>	724,080	418,610	282,478	172,206	735,423	3,934,687	235,929	4,170,616

<sup>1</sup> The charges of the sinking fund met by debentures issued under the Consolidation Stock Act, 1884, are not included. The amount of debentures issued was, in 1889, 275,200*l.*; in 1890, 288,000*l.*; in 1891, 282,300*l.*; in 1892, 280,300*l.*; and in 1894, 284,500*l.*

The expenditure out of local money for the same periods was as follows (advances to or refunds from the Consolidated Fund have been omitted, and the expenditure given is that on services only):—



Years ended December 31	On Construction of Railways	On Roads	Other Services <sup>1</sup>	Total Expenditure out of Loans
	£	£	£	£
1889	244,906	92,333	116,051	453,290
1890	187,229	71,371	87,207	345,807
1891	143,957	95,079	107,288	346,324
1892	179,273	102,090	127,073	408,436
1893	179,034	133,304	423,068	735,406

<sup>1</sup> Excluding money lent to local bodies and repayable by instalments—viz. 53,010*l.* in 1890, 172,024*l.* in 1891, 80,345*l.* in 1892, and 116,869*l.* in 1893.

In 1891 a land and income assessment act was passed repealing the property tax formerly existing, and providing for an ordinary land tax on the actual value of land, exemptions or deductions being granted on account of improvements and mortgages. Mortgages are subject to the tax. The rate for 1893-94 was 1*d.* in the pound, yielding a revenue of about 285,000*l.* In addition to the ordinary land-tax there is a graduated tax on land, rising from one-eighth of a penny in the pound on values from 5,000*l.* to 10,000*l.*, up to twopence in the pound on values of 210,000*l.* and upwards. The indirect taxation is by way of customs duty and excise duty on beer made in the colony. The average per head of taxation in 1893 was 3*l.* 11*s.* 2*d.*, excluding Maoris.

For the year ended March 31, 1894, the total ordinary revenue, exclusive of £313,059 receipts from sales and rents of lands, was 4,055,479*l.*, of which the customs duties constituted 1,655,503*l.*; stamps, with post and telegraph cash receipts, 674,647*l.*; land tax, 285,327*l.*; income tax, 75,238*l.*; property tax, 1,412*l.*; and railways, 1,175,548*l.* The revenue together with the proceeds of debentures issued under 'The Consolidated Stock Act, 1884,' for the accretions of sinking fund for the year (284,500*l.*) amounted to 4,653,038*l.* At the beginning of the year a surplus was shown of 283,779*l.*, making a total of 4,936,817*l.* available for expenditure during the year.

The total ordinary expenditure was 4,386,359*l.*, in addition to which, 260,220*l.* was paid to the Public Works Fund for the construction of reproductive works and other purposes. There was thus a surplus of 290,238*l.* on March 31, 1894. The chief items of expenditure were: interest and sinking fund, 1,885,697*l.*; railways, 731,844*l.*; education, 388,652*l.*; postal and telegraph, 292,433*l.*; defence and constabulary, 171,073*l.*

The receipts from land sales amounted to 128,670*l.*

The estimated expenditure out of ordinary revenue for 1894-95 amounts to 4,301,098*l.*, and the revenue, including the surplus of 290,238*l.* brought forward, to 4,643,038*l.*, leaving an anticipated surplus of 341,940*l.*

The total expenditure in public works from 1870 to March 31, 1894, was 28,142,169*l.*, including discount and charges for raising loans.

The public debt for five calendar years is shown in the following table:—

Years	Debentures and Stock	Sinking Fund	Net debt	Net debt per head.	Interest	Sinking Fund	Total Charge
	£	£	£	£ s. d.	£	£	£
1889	38,483,250	1,320,359	37,162,891	59 18 3	1,772,596	117,540	1,890,116
1890	38,802,350	1,407,604	37,394,746	59 15 4	1,769,051	117,540	1,886,591
1891	38,844,914	972,584	37,872,330	59 14 7	1,744,730	108,535	1,853,265
1892	39,192,519	1,037,557	38,154,962	58 13 3	1,734,185	108,469	1,842,654
1893	39,729,376	828,046	38,901,330	57 17 4	1,757,208	102,859	1,860,067

On March 31, 1894, the net indebtedness was 38,874,491*l.*, or an average of 57*l.* 8*s.* 10*d.* per head of population.

By the provisions of 'The Consolidated Stock Act, 1884,' the Government is empowered to issue debentures in every year equivalent to the annual increase of the sinking fund, the proceeds to be paid to the consolidated revenue. By the conversion of some of the loans into consolidated stock, the sinking funds relating to such converted loans have been set free.

### LOCAL FINANCE.

For the purposes of local government the colony is divided into 94 boroughs and 79 counties, the latter being subdivided into 250 road districts and 40 town districts.

The following table shows receipts from rates and from Government and all other sources (including loans), and the expenditure and outstanding loans, of the local governing bodies (counties, boroughs, town, road, river, drainage, and harbour boards), for five years ended March 31 :—

Year	Receipts		Expenditure	Outstanding Loans
	From Rates	From other Sources		
	£	£	£	£
1889	445,928	992,567	1,560,604	5,892,050
1890	460,303	914,413	1,476,540	5,978,059
1891	463,581	899,666	1,381,319	6,042,693
1892	488,824	907,420	1,400,467	6,081,934
1893	508,157	709,676	1,482,548	6,203,869

According to the results of the assessment made as on November 1, 1891, the total improved value of land in the colony, whether occupied or not, belonging to persons, companies, local bodies, natives, and the Crown, was: counties, 85,818,167*l.*; boroughs, 36,406,862*l.*; total, 122,225,029*l.* The value of the improvements was: in counties, 27,922,735*l.*; in boroughs, 18,442,526*l.*; total, 46,365,297*l.*

### Defence.

The first consideration has been to provide sufficient means of protection for the principal ports of the colony. The approaches thereto are defended by batteries of heavy ordnance, supplemented by torpedo-boats and submarine mines.

The Volunteer force has a strength of 7,583 of all ranks. There is besides a permanent militia, consisting of an artillery branch of 138 officers and men. Torpedo branch 60. The police force numbers 486. All males from 17 to 55 years of age are liable to serve in the Militia. It was found by the census that in 1891 there were 164,777 persons at ages liable to be called upon for this service.

### Production and Industry.

#### I. AGRICULTURE.

It is estimated that two-thirds of the surface of New Zealand is suitable for agriculture and grazing. Of the total area, sixty-seven millions of acres, about 10,000,000 acres are still under forest, and nine millions are barren mountain tops, lakes, and worthless country. The total acreage under crop (including 8,698,897 acres in sown grasses and 142,342 acres broken up but

not under crop) in 1894 was 10,063,051 acres. Of thirty-four millions of acres of Crown lands remaining for disposal, fifteen millions are open grass or fern country and ten millions forest.

The rural lands of the colony can be bought from the Crown for cash. They can also be held on 'lease' in perpetuity (999 years), 'occupation with right of purchase' (with restriction of area) or in some parts on pastoral leases. The largest freehold estates are held in the Middle Island. The total extent of occupied holdings over one acre in 1891 was 31,867,505 acres, of which 12,410,242 acres were freehold of the occupier, 6,987,287 leased from private individuals or corporations, and 12,469,976 acres rented from the Crown for pastoral purposes. The following table shows the number of holdings of various sizes, and number of acres held in freehold and leasehold, exclusive of Crown lands held for pastoral purposes in 1891 :—

Sizes of Holdings	Number of Holdings	Acreage		
		Freehold	Leasehold, &c. <sup>1</sup>	Total
Over . . . 1 to . . . 10 acres inclusive	11,116	28,124	24,343	52,467
„ . . . 10 „ . . . 50 „	8,899	148,965	105,751	254,716
„ . . . 50 „ . . . 100 „	5,613	277,185	158,128	435,263
„ . . . 100 „ . . . 200 „	6,851	654,729	374,022	1,028,751
„ . . . 200 „ . . . 320 „	3,916	609,857	403,462	1,013,319
„ . . . 320 „ . . . 640 „	3,802	1,057,676	660,070	1,717,746
„ . . . 640 „ . . . 1,000 „	1,321	662,612	395,849	1,058,461
„ . . . 1,000 „ . . . 5,000 „	1,675	2,144,627	1,280,558	3,425,185
„ . . . 5,000 „ . . . 10,000 „	247	1,208,819	559,980	1,768,799
„ . . . 10,000 „ . . . 20,000 „	189	1,911,063	788,341	2,699,404
„ . . . 20,000 „ . . . 50,000 „	117	2,507,848	833,083	3,340,931
„ . . . 50,000 „ . . . 100,000 „	24	801,647	723,000	1,524,647
Upwards of 100,000 acres . . . . .	7	397,140	680,700	1,077,840
Total . . . . .	43,777	12,410,242	6,987,287	19,397,529

<sup>1</sup> Leased by occupiers from others than the Crown.

At the census of 1891 there were in New Zealand 68,607 persons engaged in agricultural and pastoral pursuits, of whom 25,826 were farmers, 14,286 relatives assisting on farms, 13,749 farm labourers, 1,426 runholders, and 6,427 station hands.

The acreage and produce for each of the principal crops are given as follows :—

Years	Wheat			Oats			Barley			Hay		
	Acres	1,000 Bushels	Average per acre	Acres	1,000 Bushels	Average per acre	Acres	1,000 Bushels	Average per acre	Acres	Tons	Average per acre
1890	335,861	8,448	25·15	426,071	13,673	32·10	42,402	1,342	31·67	45,889	65,476	1·43
1891	301,460	5,724	18·99	346,224	9,947	28·73	32,740	758	23·18	44,045	62,901	1·43
1892	402,273	10,258	25·50	323,508	11,009	34·03	24,268	689	28·38	46,652	67,361	1·44
1893	381,245	8,378	21·98	326,531	9,894	30·30	24,906	654	26·27	61,811	93,293	1·51
1894	242,737	4,892	20·15	376,646	12,153	32·27	28,857	725	25·11	60,740	80,198	1·42

The live stock of the colony consisted in April, 1891, of 211,040 horses, 831,831 cattle, 18,227,186 sheep, 308,812 pigs, and 1,790,070 head of poultry. The greatest increase of live stock in recent years has been in sheep. They numbered in 1858, 1,523,324; 1864, 4,937,273; 1874, 11,704,853; 1886, 16,580,388; and in 1891, 18,227,186; while in 1893 this number had further increased to 19,380,369 according to returns made to the Department of Agriculture.

The following table shows the statistics of the leading manufactories and works in the colony:—

Years	Number of factories	Hands employed	Estimated Capital	Estimated Produce
1890	2,570	29,880	£ 5,826,976	£ 9,422,146
1885	2,268	25,655	5,697,117	7,436,649
1881	1,643	17,938	3,605,471	Not obtained
1878	1,271	14,177	3,051,072	Not obtained

The largest items in the estimated value of manufactures and produce in 1890 were: meat freezing and preserving, 1,464,659*l.*; tanning, wool scouring, &c., 1,026,349*l.*; grain mills, 991,812*l.*; saw mills, 832,959*l.*; boot factories, 403,736*l.*; iron and brass works, 403,635*l.*

## II. MINES AND MINERALS.

The following table shows the quantity and value of minerals produced for ten years ending December 31, 1893.

Year	Silver		Antimony Ore		Manganese Ore		Coal		Kauri Gum		Gold	
	Ounces	Value in £	Tons	Value in £	Tons	Value in £	Tons	Value in £	Tons	Value in £	Ounces	Value in £
1884	24,914	5,125	—	—	318	809	480,831	240,416	6,393	342,151	229,946	921,797
1885	16,624	3,169	666	5,289	602	1,716	511,063	255,531	5,876	299,770	237,371	948,615
1886	12,108	2,946	62	1,784	328	1,316	534,353	267,176	4,920	257,653	227,079	903,569
1887	20,809	3,453	134	3,999	305	895	558,620	279,310	6,791	362,449	203,869	811,100
1888	403	71	376	6,246	1,085	2,404	613,895	306,947	8,482	389,933	201,219	801,066
1889	24,105	4,043	493	5,319	1,080	2,569	586,445	293,222	7,519	329,590	203,211	808,549
1890	32,637	6,162	515	11,121	482	1,004	637,397	349,936	7,438	378,563	193,193	773,438
1891	28,023	5,151	413	4,950	1,153	2,634	668,794	379,738	8,388	437,056	251,996	1,007,488
1892	22,053	3,996	364	4,900	521	1,239	673,315	377,427	8,705	517,678	238,079	954,744
1893	63,076	9,743	331	3,497	319	943	691,548	383,905	8,317	510,775	226,811	913,138

## Commerce.

Only a small proportion of the imports are admitted duty free. Nearly all classes of imports are taxed. Luxuries, such as spirits, wine, and tobacco, are highly rated. For a very large number of dutiable articles (including clothing) other than these the rates of duty are 25, 20, and 15 per cent. *ad valorem*.

The value of the trade is shown in the accompanying table:—

Years	Total Imports	Exports of Colonial Produce	Exports of other Produce	Total Exports
	£	£	£	£
1880	6,308,863	9,042,008	299,856	7,767,325
1890	6,260,525	9,428,761	382,959	9,341,864
1891	6,503,849	9,400,094	166,303	9,811,720
1892	6,943,056	9,365,868	168,983	9,566,897
1893	6,911,515	8,557,448	427,921	8,985,364

The values and quantities of imports and of exports are obtained from Customs entries verified by invoices and by examination in the case of imports subject to *ad valorem* duty, and also in other cases when necessary. For exports the 'free-on-board in New Zealand' value is given, subject to careful examination and comparison with current price lists by the Collector of Customs to prevent over valuation of the principal items. In the case of imports which have been trans-shipped at a foreign port, the goods are regarded as imported from the country whence they were originally shipped, and exports are regarded as destined for the country where they are intended to be landed. The countries named may not be the prime origin or ultimate destination, no attempt being made to trace the goods beyond the countries disclosed by the documents presented at the Customs. There is very little transit trade.

The values of the principal imports and exports in 1893 are shown in the following table :—

Articles of Import	Value	Articles of Export	Value
	£		£
Clothing, and materials for.	1,809,046	Colonial produce :	
Iron and steel goods, machinery, &c.	920,626	Wool . . . . .	3,774,738
Sugar . . . . .	301,308	Gold . . . . .	915,921
Tea . . . . .	164,360	Grain, pulse, flour . . . . .	597,329
Spirits, wines, and beer . . . . .	282,026	Frozen meat . . . . .	1,085,167
Tobacco and cigars . . . . .	125,253	Kauri gum . . . . .	516,775
Paper, printed books, and stationery . . . . .	294,738	Tallow . . . . .	183,588
Coal . . . . .	111,956	Timber . . . . .	101,082
Bags and sacks . . . . .	125,513	Hides, skins, leather . . . . .	390,640
Fruit . . . . .	146,580	Live stock . . . . .	32,639
Oils . . . . .	105,377	Butter and cheese . . . . .	354,271
Fancy goods . . . . .	85,907	Bacon and hams . . . . .	6,532
Other imports, excluding specie . . . . .	2,021,589	Preserved meats . . . . .	46,601
Specie . . . . .	417,236	Grass seed . . . . .	57,544
		Phormium (N.Z. Hemp) . . . . .	219,375
		Other articles . . . . .	281,231
		British and foreign produce	123,402
		Specie . . . . .	304,519
Total . . . . .	6,911,515	Total . . . . .	8,985,364

The expansion of the export trade in wool, frozen meat, kauri gum, timber, and phormium, in the last four decennial periods, is shown in the following table :—

Years	Wool	Frozen Meat	Kauri Gum	Timber, Sawn & Hewn	Phormium (N.Z. Hemp)
	Lbs.	Cwts.	Tons	Feet	Tons
1863	12,585,980	—	1,400	1,588,636 <sup>1</sup>	13
1873	41,535,185	—	2,833	6,145,463	6,454
1883	68,149,430	87,975	6,518	23,783,521	2,013
1893	109,719,684	903,836	8,317	26,718,046	12,587

<sup>1</sup> And 1,641 loads.

In 1857 the export of gold was 10,436 oz., valued at 40,412*l.* It rose to 628,450 oz., value 2,431,723*l.*, in 1863. In 1882 the export was

230,893 oz., value 921,664*l.*; in 1892 237,393 oz., value 951,963*l.*; and in 1893 227,502 ounces, value 915,921*l.* The total value of gold entered for export from the colony to December 31, 1893, was 49,300,999*l.* Most of the mining is done on Government land.

The following table shows the value of trade with the leading countries for four years :—

Countries	Imports from				Exports to			
	1890	1891	1892	1893	1890	1891	1892	1893
	£	£	£	£	£	£	£	£
United Kingdom	4,221,270	4,369,633	4,767,369	4,481,955	7,401,350	7,140,831	7,483,618	7,036,515
Australian Colonies	1,087,593	1,013,549	1,112,099	1,411,465	1,634,248	1,705,561	1,367,314	1,274,790
Pacific Islands .	176,509	246,354	210,506	200,386	143,767	148,410	140,729	144,549
India and Ceylon	132,847	275,250	171,716	265,760	4,542	2,551	4,271	7,780
China . . . .	59,421	40,718	51,866	37,039	16,837	7,972	4,109	4,796
Mauritius . . .	91,520	70,650	55,031	205	1,346	4	31	162
United States .	355,395	361,795	381,627	379,378	583,134	515,208	520,797	496,548
Other places .	135,970	125,900	192,842	135,327	26,496	45,860	13,982	20,224
Totals .	6,260,525	6,503,849	6,943,056	6,911,515	9,811,720	9,566,397	9,534,851	8,985,364

The value of the total trade (imports and exports) for five years at each of the principal ports is given as follows :—

Years	Auckland	Wellington	Lyttelton	Dunedin
	£	£	£	£
1889	2,405,218	2,548,902	3,289,881	2,967,089
1890	2,623,559	2,739,567	3,425,782	2,779,640
1891	2,813,357	2,603,821	2,854,152	2,810,418
1892	2,857,564	2,844,068	3,069,336	2,771,216
1893	2,744,277	2,815,758	3,135,973	2,721,577

The commercial intercourse, exclusive of gold, between New Zealand and the United Kingdom is shown in the following table, according to the Board of Trade Returns, for five years :—

—	1889	1890	1891	1892	1893
Imports into U. K. from N. Z. . . .	£ 6,752,260	£ 8,347,430	£ 8,192,594	£ 7,751,741	£ 8,054,673
Imports of British produce to N. Z.	3,194,587	3,314,482	3,369,177	3,450,537	3,272,700

The principal imports into the United Kingdom from New Zealand in 1893 were: wheat 272,408*l.*, fresh mutton 1,751,478*l.*, wool 4,478,575*l.*, gum 247,985*l.*, hemp 33,893*l.*; the chief exports from the United Kingdom to New Zealand were apparel and haberdashery 420,090*l.*, cottons 434,200*l.*, iron (wrought and unwrought) 392,520*l.*, woollens 257,392*l.*

### Shipping and Navigation.

In 1894 the registered vessels of the colony engaged in both foreign and coasting trade were 300 sailing vessels of 34,212 tons, and 178 steamers of 39,541 tons; total 478 vessels of 73,753 tons.

The following statistics show the shipping inwards and outwards for five years :—

Years	Vessels Inwards				Vessels Outwards			
	With Cargoes		Total, including in Ballast		With Cargoes		Total, including in Ballast	
	No.	Tons	No.	Tons	No.	Tons	No.	Tons
1889	627	501,004	781	602,634	734	577,087	762	593,252
1890	574	503,036	744	662,769	729	644,032	745	649,705
1891	630	526,654	737	618,515	715	613,914	744	625,807
1892	595	584,342	686	675,223	651	629,386	689	656,100
1893	559	559,903	617	615,604	580	606,671	635	642,466

Of the vessels entered inwards in 1893, 166 of 290,323 tons were British; 405 of 272,250 tons colonial; and 46 of 53,031 tons foreign. Of vessels outwards, 186 of 317,130 tons were British; 400 of 270,308 tons colonial, and 49 of 55,028 tons foreign.

\*For the year 1893, the shipping at five principal ports was as under :—

Port	Vessels Inwards		Vessels Outwards	
	No.	Tons	No.	Tons
Auckland . . .	246	238,220	218	178,866
Wellington . . .	102	142,362	101	154,194
Lyttelton . . .	50	43,953	76	110,100
Dunedin . . .	48	53,276	27	41,529
Bluff Harbour . .	87	82,841	87	100,117

### Internal Communications.

#### RAILWAYS.

On March 31, 1894, there were 744 miles of Government railways open for traffic in the North Island, and 1,204 in the Middle Island, besides 164 miles of private lines—2,112 miles in all. For that year the revenue from Government railways was 1,172,793*l.*, and the expenditure 735,359*l.*, surplus 437,434*l.*, the expenditure being 62·7 per cent. of revenue. The total expenditure on construction of all the Government lines open, and unopen, to March 31, 1894, had amounted to 15,942,133*l.* In 1893-94 the tonnage of goods carried amounted to 2,128,709, and the passengers numbered 3,972,701.

The private line of the Wellington and Manawatu Railway Company is 84 miles long. The capital cost of construction and equipment to February 1894 was 763,729*l.* The gross earnings from traffic for the last financial year were 88,304*l.*, and the working expenses 41,127*l.*

The Midland Railway Company has 76 miles of line open for traffic. The total expenditure on this line to June 30, 1893, was 1,177,503*l.*, the revenue for the year 12,765*l.*, and the expenditure, equivalent to 65·5 per cent. of the revenue, 8,356*l.*

All the chief towns of the colony are provided with tramway systems worked by horses, steam-motors, or cables.

## POSTS AND TELEGRAPHS.

In the last five years the Post Office received and despatched the following correspondence:—

Years	Letters	Post Cards	Books and Parcels	Newspapers	Money Orders Nos.	
	No.	No.	No.	No.	Issued	Paid
1889	42,301,233	1,850,160	5,381,493	16,721,016	172,076	150,500
1890	43,917,200	2,010,499	6,159,130	17,912,734	176,427	151,286
1891	47,612,864	2,278,929	7,170,761	18,501,912	195,239	160,279
1892	50,610,742	2,571,036	13,283,387	18,557,565	199,438	160,423
1893	52,085,449	2,697,110	14,478,985	19,556,030	210,957	165,503

The receipts of the Post Office Department, including commission on money orders, were 231,481*l.* for the year 1893. The officials numbered 2,401 in the combined Post and Telegraph Department, the working expenses of which amounted to 293,704*l.*

The telegraph system is entirely in the hands of the Government. On December 31, 1893, the colony had 5,513 miles of line and 13,515 of wire. In the year 1866 there were 699 miles of line and 1,390 of wire.

The number of telegrams despatched was, in 1893, 2,069,691, of which 1,825,646 were private messages. The total receipts from telegrams and incidental sources amounted to 112,466*l.*

The telephone is very generally used, and is in charge of the Telegraph Department. In March 1893 there were 4,244 subscribers, and the revenue for the year was 21,771*l.* The capital expended on the several telephone exchanges up to December 31, 1893 (including cost of spare material on hand) was 117,680*l.*

Money and Credit.<sup>1</sup>

There were, in the year 1893, six banks of issue doing business in New Zealand. Three of these were wholly New Zealand institutions, having a paid-up capital amounting to 1,550,000*l.*, and reserves amounting to about 184,020*l.* The total average liabilities for the year of all six banks in respect of New Zealand transactions were 15,489,633*l.*, and the average assets 18,255,534*l.* The average amount on deposit was 14,433,777*l.* The value of the notes in circulation of these banks was 973,894*l.*

The post-office and private savings-bank business has been progressive during the last five years:—

Years	No. of Savings Banks	No. of Depositors	Amounts Deposited	Amounts Withdrawn	Amounts on Deposit at End of Year
			£	£	£
1889	302	110,566	1,883,034	1,829,478	2,858,644
1890	303	118,344	2,047,840	1,891,478	3,137,023
1891	318	126,886	2,241,952	2,105,889	3,406,949
1892	327	135,827	2,255,097	2,224,269	3,580,544
1893	346	147,199	2,842,352	2,601,529	3,966,849

*Agent-General in London.*—Sir Westby Brook Perceval, K.C.M.G.;  
*Secretary,* Walter Kennaway, C.M.G.

See also under FINANCE.

Attached to New Zealand are the following islands:  
**Chatham Islands**, 43° 50' S., 177° W., 536 miles E. of New Zealand. Area



375 square miles ; population (1891) 459 (271 Europeans and 188 Maoris and Morioris) ; 66,000 sheep, 450 cattle.

**Auckland Islands**, 50° 31' S., 166° 19' E., 200 miles S. of Stewart Island. Area of largest about 330 square miles. Uninhabited. The New Zealand Government maintains a depôt of provisions and clothing for the use of shipwrecked mariners on the largest island of the group.

**Kermadec Islands**, 36° S., 178° 30' W., 600 miles NNE. of New Zealand. Area 15 square miles. Population (1893) 7 persons.

Small uninhabited islands are : The Campbell Islands, the Antipodes Islands, and the Bounty Islands. Cook or Hervey Islands and Palmerston have about 8,400 inhabitants.

### Books of Reference.

- Annual Statistical Register, Blue Book. Annual Reports on Mining.  
 Registrar-General's Report on Statistics of New Zealand. 8. Wellington, 1894.  
 Census of New Zealand, taken on the 5th of April, 1891. Fol. Wellington, 1892.  
 Report on the Results of Census, 1891. 8. Wellington, 1893.  
 Official Handbook of New Zealand. London, 1883, and Wellington, 1892.  
 New Zealand Official Year-book, 1894. 8. Wellington, 1894.  
*Bradshaw* (John), New Zealand of To-day. London, 1888.  
*Bramall* (H.), The Mineral Resources of New Zealand. London, 1883.  
*Chalmers* (R.), A History of Currency in the British Colonies. London, 1893.  
*Gisborne* (W.), The Colony of New Zealand. 8. London, 1891.  
*Grey* (Sir G.), Polynesian Mythology and Maori Legends. 1885.  
*Hay* (W. D.), Brighter Britain ; or, Settler and Maori in Northern New Zealand. 2 vols. London, 1882.  
*Hochstetter* (Fr. von.), New Zealand : its Physical Geography, Geology, and Natural History. 2 vols. 4. London, 1868.  
*Larnach* (W. J.), Handbook of New Zealand Mines. 1887.  
*Mannering* (G. E.), With Axe and Rope in the New Zealand Alps. 8. London, 1891.  
*Nichols* (J. Kerry), The King Country : Explorations in New Zealand. London, 1884.  
*Payton* (E. W.), Round and About New Zealand. 8. London, 1888.  
*Rees* (W. L.), The Life and Times of Sir George Grey, K.C.B. 2nd ed. 2 vols. 8. London, 1892.  
*Rusden* (G. W.), The History of New Zealand. London, 1885.  
*White* (John), Ancient History of the Maori. 4 vols. 8. London, 1889.  
*Wilson* (Mrs. R.), In the Land of Tui. 8. London, 1894.

## QUEENSLAND.

### Constitution and Government.

The form of government of the colony of Queensland was established December 10, 1859, on its separation from New South Wales. The power of making laws and imposing taxes is vested in a Parliament of two Houses—the Legislative Council and the Legislative Assembly. The former consists of 37 members, nominated by the Crown for life. The Legislative Assembly comprises 72 members, returned from 61 electoral districts for three years, elected by ballot, a six months' residence qualifying every adult male for the franchise. Members of the Assembly are entitled to payment of £150 per annum, with travelling expenses. Owners of freehold estate of the clear value of 100*l.*, or of house property of 10*l.* annual value, or leasehold of 10*l.* annual rent, or holders of pastoral lease or license from the Crown, have the right of a vote in any district in which such property may be situated. At the end of 1893 there were 82,418 registered electors.

The executive is vested in a Governor appointed by the Crown.

*Governor of Queensland.*—General Sir Henry Wylie Norman, G.C.B., G.C.M.G., C.I., &c. ; 1862, Military Secretary to the Government of India ; 1870, Member of the Viceroy's Council ; 1878, Member of Council of India in London ; 1883–88, Governor of Jamaica ; appointed Governor of Queensland December 1888.

The Governor is commander-in-chief of the troops, and also bears the title of vice-admiral. He has a salary of 5,000*l.* per annum. In the exercise of the executive authority he is assisted by an Executive Council of eight ministers, consisting of the following members:—

*Premier, Vice-President of Executive Council, and Colonial Treasurer.*—Hon. Hugh Muir Nelson.

*Chief Secretary and Secretary for Railways.*—Hon. Sir Thomas McLwraith, K.C.M.G.

*Minister for Lands and Agriculture.*—Hon. A. H. Barlow.

*Postmaster-General.*—Hon. A. J. Thynne, M.L.C.

*Secretary for Mines, Secretary for Public Works, and Secretary for Public Instruction.*—Hon. Robt. Philp.

*Colonial Secretary.*—Hon. H. Tozer.

*Attorney-General.*—Hon. T. J. Byrne.

*Without Portfolio.*—Hon. W. H. Wilson.

Each of the ministers who holds a portfolio has a salary of 1,000*l.* per annum. The Vice-President of the Executive Council receives 300*l.* per annum in addition. They are jointly and individually responsible for their acts.

Queensland is divided into 36 municipalities and 117 divisions. The municipalities (often of considerable area) have local government somewhat similar to that which prevails in England. The most populous municipality is Brisbane.

### Area and Population.

Queensland comprises the whole north-eastern portion of the Australian continent, including the adjacent islands in the Pacific Ocean and in the Gulf of Carpentaria. The territory is of an estimated area of 668,497 English square miles, with a seaboard of 2,250 miles. The colony formed, under the name of Moreton Bay, a part of New South Wales until it was erected into a separate colony, with the name of Queensland, by an order of Her Majesty in Council, which took effect on December 10, 1859, upon the arrival of the first Governor, Sir G. Bowen.

The first settlement of the Colony was by convicts sent from Great Britain, the earliest of them arriving in 1825. In 1842 the country was thrown open to free settlers. The growth of the population has been as follows:—

Years	Population	Increase per cent. per annum	Years	Population	Increase per cent. per annum
1846	2,257	—	1881	213,525	7·06
1856	18,544	72·16	1886	322,853	10·23
1861	34,367	17·06	1891	393,718	4·39
1871	125,146	26·41			

On December 31, 1893, the estimated population was 432,299.

The census of April 5, 1891, showed that the population then consisted of 223,779 males, 169,939 females. The total numbers included 8,574 Chinese (of whom only 47 were females), principally engaged in the gold mines ; and 9,428 'Polynesians,' 826 of whom were females ; and 1,844 persons of other alien races. No return is made of the aborigines, but police reports estimate their number at about 12,000.

The census population was distributed as follows :—Northern District, 78,077 ; Central District, 46,857 ; Southern District, 268,784.

As to occupation the population was classified as follows :—Professional class, 10,448 ; domestics, 20,403 ; commercial, 31,138 ; industrial, 47,173 ; agricultural, pastoral, manual, &c., 68,285 ; indefinite, 2,535 ; dependent class (wives, children, scholars, students, dependent relatives, &c.), 213,736.

Of the total population as ascertained by the census of 1891, 176,971 persons were born in the Colony ; 77,187 in England ; 43,036 in Ireland ; 22,400 in Scotland ; 17,023 in N. S. Wales ; 7,462 in Victoria ; 3,851 in the other Australian Colonies ; 14,910 in Germany.

The following table shows the births, deaths, and marriages for five years :—

Years	Total Births	Illegitimate	Deaths	Marriages	Excess of Births
1889	14,401	674	6,132	3,123	8,269
1890	15,407	748	5,638	3,195	9,769
1891	14,715	684	5,170	2,905	9,545
1892	14,903	752	5,266	2,774	9,637
1893	14,394	715	5,695	2,524	8,699

The immigration and emigration have been as follows :—

Years	Immigration			Emigration		
	Total	Chinese	Polynesian	Total	Chinese	Polynesian
1889	35,606	282	2,039	24,680	695	1,228
1890	33,005	263	2,464	26,656	570	1,437
1891	28,082	303	1,050	26,512	575	1,004
1892	23,611	474	464	22,281	493	856
1893	22,007	548	1,212	19,704	534	1,343

Brisbane, the capital of the colony, is divided into two municipalities—Brisbane and South Brisbane, with, respectively, on April 5, 1891, a population of 25,889 and 22,849. At the same date, within a five-mile radius, which embraces both municipalities, there was a population of 93,657, and within a ten-mile radius a population of 101,554. The next largest towns are Rockhampton, 11,629 ; Townsville, 8,564 ; Maryborough, 8,700 ; Gympie, 8,449 ; Ipswich, 7,625.

### Religion.

There is no State Church. Previous to 1861 valuable grants of land had been made to the principal religious denominations, which they still retain, free of taxation. The following are the numbers belonging to the various religious denominations at the census taken in 1891 :—Church of England, 142,555 ; Church of Rome, 92,765 ; Presbyterians, 45,639 ; Wesleyan, 20,917 ;

Lutheran, 23,383 ; Baptist, 10,256 ; other Christian sects, 28,841 ; Jews, 809 ; Mohammedan and Pagans, 17,434 ; no religion, 5,329 ; other religion, unspecified, &c., 5,890.

### Instruction.

Education is by statute compulsory, but no steps have been taken to enforce the law. There were ten grammar or middle-class schools, with 53 teachers and 701 pupils, in 1893. These receive Government grants under certain conditions. In 1893 there were 691 public elementary schools, with 1,484 teachers, and an average daily attendance of 44,432 pupils. There were besides 148 private schools, with 449 teachers, and an average daily attendance of 8,111 in 1893. Education in the State schools is free, the expenditure of the Department of Public Instruction for the year 1893 being 229,390*l.* At the census of 1891, 102,127 persons could neither read nor write, and 14,529 could read only, consisting mostly of infants and aliens.

### Justice and Crime.

Justice is administered by a Supreme Court, district Courts, and police magistrates assisted by Justices of the Peace. The total number of persons convicted of serious offences in 1893 was 205. There were, including the penal establishment at St. Helena, 18 gaols, with 516 male and 52 female prisoners on December 31, 1893. The total police force, including native troopers, averages about 900 men.

### Pauperism.

There are many charitable institutions in the colony, partly supported by Government. There is a department of outdoor relief in Brisbane, which assisted 48,456 persons in 1893 with an expenditure of 7,705*l.*

### Finance.

The following table shows the revenue and expenditure of Queensland during each of the last five years ending June 30 :—

—	1889-90	1890-91	1891-92	1892-93	1893-94
	£	£	£	£	£
Revenue . . .	3,211,795	3,350,223	3,473,716	3,445,943	3,343,069
Expenditure . . .	3,695,775	3,684,655	3,625,281	3,557,620	3,351,536

The following were the chief sources from which revenue was received during 1893-94 :—Customs, 1,085,638*l.* ; excise and export, 45,804*l.* ; stamp duty, 106,752*l.* ; licenses, 53,125*l.* ; dividend duty, 55,468*l.* From land—Rent, pastoral occupations, 350,021*l.* ; other rents and sale of land, 238,592*l.* (including 56,836*l.* under Special Sales of Land Act of 1891). From railways, 931,053*l.* From posts and telegraphs, 208,474*l.*

The chief items of expenditure during 1893-94 were as under :—Interest on public debt, 1,255,533*l.* ; endowments to municipalities and divisional boards, 63,696*l.* ; public instruction, 210,245*l.* ; colonial treasurer's department, 145,666*l.* ; secretary of public lands department, 95,102*l.* ; cost of working railways, 592,403*l.* ; posts and telegraphs department, 296,407*l.* The total expenditure from loans mostly on public works was 378,077*l.*, of which the following are the principal items :—On

railways, 137,268*l.*; on harbours and rivers, 4,442*l.*; defence, 2,682*l.*; water supply, 5,647*l.*; loans to local bodies, 47,267*l.*; public works' building, 4,476*l.*; relief to public depositors, 168,747*l.*

The estimated revenue for 1894-95 is 3,350,086*l.*, and the estimated expenditure 3,347,158*l.* The estimated value of the landed property of the colony in 1893, as taken for purposes of assessment under the several Acts for providing Local Government, was 44,318,146*l.* This includes lands leased from the Crown for pastoral purposes, the lessees' interest in which has been capitalised for assessment purposes at 6,351,083*l.*, but not unoccupied Crown lands, nor lands the property of local bodies, churches, or reserves for public purposes.

The public debt of the colony amounted, on December 31, 1893, to the sum of 30,639,534*l.*

### Defence.

The defence of the colony was provided for by an Act passed in 1884, by which, in addition to fully paid militia and volunteer corps to be maintained and assisted by the Government, every man (with a very few exceptions) between the ages of 18 and 60 is liable for military service under this Act. The Government have organised a drilled force of 3,337 men, about 140 of whom are fully paid regulars; some 2,000 militia, paid for each day's drill; the rest volunteers, assisted with uniform, &c. Naval defences are provided for with two gunboats, a torpedo boat, and a picket-boat and six corps of naval reserve and naval artillery. In addition, some of the tugs built for the harbour service are fitted with a bow gun for service if required. Queensland contributes to the payment made by the Australian colonies to the Imperial Government for the maintenance of the auxiliary cruisers and gunboats. (See *post* under 'Australian Defence.') The Queensland Government gun-vessels are the *Gayundah* and *Patuna* (450 tons), sister vessels, launched in 1884, and the *Otter*, *Bonito* and *Stingaree*, ranging between 290 and 450 tons.

### Production and Industry.

Of the total area of the colony, 11,517,974 acres have been alienated: in process of alienation, under deferred payment system, are 2,270,153, leaving 414,049,953 unalienated; or but little more than 2 per cent. have been alienated by the Government up to December 31, 1893, yielding a return of 7,110,338*l.* Under a Land Act passed in 1884, a maximum of 1,280 acres of agricultural land can be selected on a lease for 50 years, and a maximum of 20,000 acres of pastoral land for 30 years. The agricultural land can afterwards be secured in fee simple under certain conditions and in return for certain payments. In both cases there are numerous conditions and restrictions contained in the Act, and in the rules framed in accordance with its provisions.

About one half the area of the colony is natural forest, though little has been done hitherto to develop the forestry of the colony. A large proportion of the area is leased in squatting runs for pastoral purposes, amounting to 281,316,885 acres in 1893; the number of runs was 3,715. The live stock in 1893 numbered 429,734 horses, 6,693,200 cattle, 18,697,015 sheep, and 68,086 pigs. The total area under cultivation in 1893 was 252,075 acres, and of this 243,249 acres were under crop, besides which 18,346 acres are laid down with permanent artificial pasture. The leading grain crop is maize, of which 93,556 acres yielded 1,824,108 bushels in 1893. The growth of sugar-cane has in recent years been successful, though the want of labour hinders its development: in 1893 there were 59,251 acres under this crop; of this the produce of 43,670 acres yielded 76,145 tons of sugar.

There are several coal mines in the colony, the produce of which amounted to 264,403 tons in 1893, valued at 125,340*l.* Gold-fields were discovered so long ago as 1858, the produce of which for the year 1883 amounted to 212,783 ounces, 307,804 for 1884, 310,941 for 1885, 340,998 for 1886, 425,923 for 1887, 481,643 for 1888, 739,103 for 1889, 610,587 for 1890, 576,439 for 1891, 615,558 for 1892, 616,940 for 1893, making a total of 9,247,413 ounces to the end of the latter year, which at 3*l.* 10*s.* per oz. = 32,365,945*l.* Tin, copper, and lead are also mined to some extent, the quantity and value of these minerals raised in the year 1893 being—

Tin	2,434 tons	106,953 <i>l.</i>	Bismuth	74 tons	10,676 <i>l.</i>
Copper	297 „	3,822 <i>l.</i>	Antimony	30 „	288 <i>l.</i>
Silver and lead	339,267 oz.	42,408 <i>l.</i>	Gems	—	4,500 <i>l.</i>

### Commerce.

A very large number of articles are subject to tariffs; the total customs duties collected in 1893 amounted to 1,063,228*l.*, being over 25 per cent. of the total value of imports.

The total value of the imports and exports of Queensland, in the last six years, is given in the following table:—

Years	Imports	Exports	Years	Imports	Exports
	£	£		£	£
1888	6,646,738	6,126,362	1891	5,079,004	8,305,387
1889	6,052,562	7,736,309	1892	4,382,657	9,170,408
1890	5,066,700	8,554,512	1893	4,352,783	9,632,662

The commercial intercourse of Queensland is chiefly with the other Australasian colonies, and, next to them, with the United Kingdom. Imports from United Kingdom (1893) 1,559,475*l.*, exports to United Kingdom, 3,694,534*l.* The leading exports were gold, 2,167,890*l.*; wool, 3,578,864*l.*; sugar, 753,983*l.*; hides and skins, 348,219*l.*; tin, 114,107*l.*; silver, 174,184*l.*; tallow, 373,548*l.*; pearl shell, 142,454*l.*; meat, preserved and salted, 141,513*l.*; meat, frozen, 377,039*l.*; meat extract, 18,825*l.* in 1893. The chief imports were textiles and apparel, 576,770*l.*; metals and metal goods, 322,965*l.* in 1893.

For imports duty-free and for those subject to fixed duty, the declared *landed* values are recorded. For imports subject to *ad valorem* duty the invoice value is furnished by importers and a percentage added by Customs Department to cover charges. For exports the values at the part of shipment are declared by exporters. Quantities are ascertained from invoices or, if necessary, by actual weighing, &c., by Customs officers. The country of origin and that of destination are obtained respectively from invoices and export entries. The transit trade is unimportant.

The following table gives, according to the Board of Trade returns, the value of the imports (exclusive of gold) into Great Britain from Queensland, and of the exports of domestic produce and manufactures from Great Britain to Queensland, for five years:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Queensland	1,889,217	2,417,937	2,734,886	3,251,531	3,309,858
Exports of British produce	2,362,408	2,128,216	2,224,316	1,793,391	1,332,548

The principal articles of import into the United Kingdom from Queensland are wool, the value of which was 1,575,029*l.* in 1889, 1,947,163*l.* in 1890,

2,016,277*l.* in 1891, 2,537,363*l.* in 1892, 2,047,401*l.* in 1893; preserved meat of the value of 4,568*l.* in 1889, 42,746*l.* in 1890, 56,133*l.* in 1891, 61,052*l.* in 1892, 85,767*l.* in 1893; shell, 208,590*l.*; tin, 21,362*l.*; tallow, 215,692*l.* in 1893. Among the exports of British produce to Queensland in the year 1893, the chief were apparel and haberdashery, of the value of 183,786*l.*; iron, wrought and unwrought, of the value of 146,265*l.*; cottons, of the value of 191,452*l.*; and woollens, of the value of 71,849*l.*

### Shipping and Navigation.

The registered shipping in 1893 consisted of 120 sailing vessels of 10,231 tons, and (including river steamers) 93 steamers of 12,469 tons; total, 213 vessels of 22,700 tons. In 1893, 599 vessels of 464,581 tons entered, and 615 of 481,047 tons cleared the ports of the colony; of the former, 43 of 69,013 tons were from, and of the latter, 43 of 94,991 tons, were to the United Kingdom. In 1893 442 vessels of 322,226 tons entered from, and 453 of 316,331 tons cleared for other Australian colonies. Vessels entering and clearing more than one port on the same voyage are only counted at one port of arrival and departure.

### Internal Communications.

At the end of 1893 there were 2,379 miles of railway open for traffic in the colony. The railways are all in the hands of the Government, and the cost of construction up to December 31, 1893, was 16,348,945*l.* The revenue from railways during 1893 was 943,617*l.*, and the expenditure in working them 634,683*l.* The total expenditure to December 31, 1893, including apportionment of cost of floating loans, losses on sales of stock, &c., has been 18,177,383*l.*

The Post Office of the colony in the year 1893 carried 16,297,827 letters, 10,545,185 newspapers, 3,925,415 packets, and 67,487 parcels. There were 963 post and receiving offices in the colony at the close of 1893. The post-office revenue was 135,518*l.*

At the end of 1893 there were in the colony 10,004 miles of telegraph lines, and 17,810 miles of wire, with 363 stations. The number of messages sent was 905,124 in the year 1892, and 109,871 received from places outside the colony, besides 89,316 official messages. The receipts of the Department during that year were 82,818*l.*, and the working expenses of the joint department of Post and Telegraph was 302,775*l.*

### Banks.

There are eleven banks established in Queensland, of which the following are the statistics for the end of 1893:—Notes in circulation, 173,482*l.*, of which 123,300*l.* are Treasury notes issued by the Government through the banks; deposits, 10,827,205*l.*; total liabilities, 11,079,630*l.*; coin and bullion, 2,029,055*l.*; advances, 16,428,380*l.*; landed property, 746,355*l.*; total assets, 19,739,959*l.* There is a Government savings bank with 123 branches; on January 1, 1894, there were 47,885 depositors, with 1,875,615*l.* to their credit.

*Agent-General for Queensland in Great Britain.*—Sir James F. Garrick, K.C.M.G., Q.C.; *Secretary*, Charles Shortt Dicken, C.M.G.

### Books of Reference.

- Census of the Colony of Queensland, taken on the 3rd April, 1891. Fol. Brisbane, 1892.  
 Queensland: Annual Report from the Registrar-General on Vital Statistics. Brisbane.  
 Bonwick (James), *The Resources of Queensland*. London, 1880.  
 Lumholtz (Carl), *Among Cannibals*. London, 1889.  
 Pugh's Queensland Almanac, Court Guide, Gazetteer, &c. Annual. Brisbane.  
 Russell (H. S.), *The Genesis of Queensland*. 8. 8 duoy. 1888.  
 Statistical Register of Queensland, Annual. Brisbane.  
 Report on Agricultural and Live Stock Returns. Annual. Brisbane.  
 Report of the Department of Agriculture. Annual. Brisbane.  
 The Year-Book of Queensland. Annual. Brisbane.

**SOUTH AUSTRALIA.****Constitution and Government.**

Founded in 1836 (Act 4 and 5 Will. IV. c. 95) the present Constitution of South Australia bears date October 24, 1856. It vests the legislative power in a Parliament elected by the people. The Parliament consists of a Legislative Council and a House of Assembly. The former is composed of twenty-four members. Every three years the eight members whose names are first on the roll retire, and their places are supplied by two new members elected from each of the four districts into which the colony is divided for this purpose. The executive has no power to dissolve this body. The qualifications of an elector to the Legislative Council are that he must be twenty-one years of age, a natural born or naturalised subject of Her Majesty, and have been on the electoral roll six months, besides having a freehold of 50*l.* value, or a leasehold of 20*l.* annual value, or occupying a dwelling-house of 25*l.* annual value. The qualification for a member of Council is merely that he must be thirty years of age, a natural born or naturalized subject, and a resident in the province for three years. The President of the Council is elected by the members. Each member of the Council, and also of the House of Assembly, receives 200*l.* per annum and a free pass over government railways.

The House of Assembly consists of fifty-four members, elected for three years, representing twenty-seven electoral districts. The qualifications for an elector are that of having been on the electoral roll for six months, and of having arrived at twenty-one years of age; and the qualifications for a member are the same. There were 73,200 registered electors in 1893. Judges and ministers of religion are ineligible for election as members. The election of members of both houses takes place by ballot.

The executive is vested in a Governor appointed by the Crown and an Executive Council, consisting of six responsible ministers.

*Governor of South Australia.*—Right Hon. the Earl of Kintore, P.C., G.C.M.G. Appointed December, 1888. Assumed the Government April 11, 1889. Left the colony January 17, 1895. The Chief Justice, being also Lieutenant-Governor, acts pending a new appointment.

The Governor, who is at the same time commander-in-chief of the forces, marine and military, has a salary of 5,000*l.* per annum. The ministry is divided into six departments, presided over by the following members:—

*Chief Secretary.*—Hon. J. H. Gordon, M.L.C.

*Premier and Attorney-General.*—Hon. C. C. Kingston, Q.C., M.P.

*Treasurer.*—Hon. F. W. Holder, M.P.

*Commissioner of Crown Lands.*—Hon. P. P. Gillen, M.P.

*Commissioner of Public Works.*—Hon. J. G. Jenkins, M.P.

*Minister of Education and Agriculture.*—Hon. J. A. Cockburn, M.P.



The Ministers have a salary of 1,000*l.* per annum each. They are jointly and individually responsible to the Legislature for all their official acts, as in the United Kingdom.

LOCAL GOVERNMENT.

The settled part of the colony is divided into counties, hundreds, municipalities, and district councils, the last being the most important, as it gives the powers of a municipality, the ratepayers having the power of levying rates, &c., and applying the funds for road-making purposes. There are 44 counties, blocks of country thrown open for agricultural purposes. There are 4 extensive pastoral districts—the eastern, western, northern, and north-eastern. There are 33 municipalities and 140 district councils. The Northern Territory is presided over by a resident, assisted by a small staff.

Area and Population.

The original boundaries of the province, according to the statute of 4 & 5 Will. IV. cap. 95, were fixed between 132° and 141° E. long. for the eastern and western boundaries, the 26° of S. lat. for the northern limit, and for the South the Southern Ocean. The boundaries were subsequently extended, under the statute of 24 and 25 Victoria, cap. 44. A strip of land between 132° and 129° E. long. was added on October 10th, 1861. By Royal Letters Patent, dated July 6, 1863, all the territory lying northward of 26° S. latitude and between the 129th and 138th degrees of East longitude, and now known as the Northern Territory, was added. The total area of the colony is calculated to amount to 903,690 English square miles.

South Australia was first colonised in 1836 by emigrants from Great Britain, sent out under the auspices of a company called the South Australian Colonisation Association. The conditions were that the land should not be sold at less than 1*l.* per acre; that the revenue arising from the sale of such lands should be appropriated to the immigration of agricultural labourers, and the construction of roads, bridges, and other public works (which provisions have been strictly observed); that the control of the colony's affairs should be vested in a body of commissioners approved by the Secretary of State for the Colonies, and the Governor be nominated by the Crown.

The population at various censuses has been :—

—	Population	Yearly Increase per cent.	—	Population	Yearly Increase per cent.
1844	17,366	—	1871	185,626	2·7
1855	85,821	22·5	1881	279,865	4·4
1866	163,452	7·0	1891	320,431	1·4

Of the total population in 1891, 4,895 belonged to the northern territory.

There were December 31, 1893, 177,219 males, 164,759 females. There is only one person to about 3 square miles. The population of Adelaide, the capital of the colony, and suburbs is about 140,549; of the Northern Territory, 4,896, of whom 363 are females.

The enumerations here given, except the three last, did not include the aboriginal population. The number of aborigines living in settled districts was found to be 3,369, namely, 1,833 males and 1,536 females, at the census of March 26, 1876. In 1891 the number of aborigines was stated to be 3,134, 1,661 males and 1,473 females. Of the population in 1891, 3,848 were Chinese (adult males).

The following are the statistics of births, deaths, and marriages for five years :—

—	Births	Marriages	Deaths	Excess of Births
1889	10,318	2,062	3,501	6,817
1890	10,364	2,235	3,923	6,441
1891	10,737	2,315	4,211	6,526
1892	10,544	2,119	3,711	6,833
1893	10,683	2,110	4,520	6,163

The following are the statistics of immigrants and emigrants by sea only for five years, and the excess of immigrants over emigrants :—

—	1889	1890	1891	1892	1893
Immigrants .	9,230	7,432	16,684	15,688	18,658
Emigrants .	8,736	5,060	12,807	14,499	18,884
	+ 494	+ 2,372	+ 3,877	+ 1,189	- 226

### Religion.

The aggregate number of churches and chapels in the colony in 1893 was 1,061. At the census of 1891 the number belonging to the leading denominations were as follows :—Church of England, 89,271 ; Roman Catholic, 47,179 ; Wesleyans, 49,159 ; Lutherans, 23,328 ; Presbyterians, 18,206 ; Baptists, 17,547 ; Methodists, 11,654 ; Bible Christians, 15,762 ; Congregationalists, 11,882 ; Jews, 840. No aid from the State is given for religious purposes.

### Instruction.

Public instruction is under charge of the Educational Department. Teachers are paid from the general revenue, public lands being set apart for educational purposes. Education is free and compulsory up to a certain standard. Government grants exhibitions and scholarships, carrying the holders to higher schools and universities. In 1893 there were 273 public schools and 333 provisional schools ; the number of children under instruction during 1893 being 56,302. There is a training college for teachers. The University of Adelaide was incorporated in 1874. The university is authorised to grant degrees in arts, law, music, medicine, and science. Its endowment amounts to 65,000*l.* and 50,000 acres of land. There are several denominational secondary schools. There were 254 private schools, with 11,647 pupils, in 1893.

### Justice and Crime.

There is one supreme court, a court of vice-admiralty, a court of insolvency, 68 local courts and police magistrates' courts. There are circuit courts held at several places. There were 91 convictions for felonies and misdemeanours in 1888, 78 in 1889, 82 in 1890, 90 in 1891, 90 in 1892, and 118 in 1893. The total number of white persons in prison at the end of 1893 was 90 males and 23 females.

### Defence.

The colony possesses an efficient militia and volunteer force, the former consisting of 1,346 men of all ranks, and the latter of 854, or a total military force, including the headquarter staff and a permanent force of artillery 43 strong—of 2,200 men. For the purposes of local defence a small cruiser, the *Protector* (920 tons), launched in 1884, is stationed off the chief port of the colony, which is defended by two well-armed forts. South Australia is a contributor to the maintenance of the Australian Auxiliary Squadron. (See *post* under 'Australian Defence.')

### Finance.

The total annual revenue and the total annual expenditure of the colony of South Australia for each of the last five years ending June 30 were as follows:—

Years ending June 30	Revenue	Expenditure
	£	£
1890	2,478,981	2,404,179
1891	2,732,222	2,603,498
1892	2,741,623	2,687,133
1893	2,459,905	2,660,993
1894	2,526,705	2,525,606

The revenue for 1894-95 is estimated at 2,554,840*l.*, and expenditure 2,552,856*l.*; customs revenue, 1894-95, 520,000*l.*

The greater part of the revenue of the colony is derived from customs duties, inland revenue, posts and telegraphs, railways, and territorial receipts, while the main portion of the expenditure is on account of public works, railways, and interest on public debt. The total revenue averages 7*l.* 8*s.* 5*d.* per head, of which customs and other sources of taxation contribute 2*l.* 4*s.* 7*d.* About one third of the expenditure is for administrative charges, comprising salaries of judges, &c., civil establishments, defences, police, gaols, and prisons.

The public debt of the colony, dating from 1852, amounted, on December 31, 1893, to 21,683,250*l.* Three fourths of the public debt has been spent on railways, water-works, and telegraphs. The railways show a profit over working expenses of 3*l.* 11*s.* 5*d.* per cent. per annum.

The real property of the colony in 1893 was valued at 51,248,120*l.*, and personal property is estimated at 33,869,445*l.*

### Production and Industry.

Of the total area (578,361,600 acres), 9,144,071 acres were alienated at the end of 1893. The area under forest is 10,428 acres. The total land enclosed amounts to 29,830,971 acres, of which 2,625,741 acres were under cultivation in 1892-93. Of this 1,732,711 acres were under wheat, 361,145 under hay, 9,194 under orchards, 17,418 vineyards, and 563,371 fallow. The gross produce of wheat in 1879-80 was 14,260,964 bushels, in 1884-85, 14,621,755 bushels, in 1892-93, 9,240,108 bushels, and in 1893-94, 13,618,062. In 1884, 473,535 gallons of wine were produced, of which 50,080 gallons were exported; in 1892-93, 594,038 gallons were made, and 325,038 gallons exported; and in 1893-94, 712,845 gallons were made, and 260,251 gallons exported. The live stock in 1894 numbered—horses, 187,666; cattle,

323,602 ; sheep, 7,267,642. In 1893, of the total area 136,269 square miles were held under pastoral leases, and the number of leases was 895.

The mineral wealth as yet discovered consists chiefly in copper and silver. The value of the copper ore produced in 1893 was 5,808*l.*, and of copper, 208,967*l.*; and the total value of all minerals produced, 235,221*l.*; in 1887 it was 319,954*l.*; 1886, 275,280*l.*; 1885, 344,451*l.*; 1884, 491,950*l.*

In 1892 there were 734 factories in the colony, employing 10,920 people. There were 32 iron and brass furnaces, employing 1,236 people, and 52 manufacturers of agricultural implements to 405 people.

### Commerce.

The total value of South Australian imports and exports, inclusive of bullion and specie, from and to various countries, in each of the last six years, was as follows :—

Years	Imports	Exports	Years	Imports	Exports
	£	£		£	£
1888	5,413,638	6,984,098	1891	9,956,542	10,512,049
1889	6,804,451	7,259,365	1892	7,395,178	7,819,539
1890	8,262,673	8,827,378	1893	7,934,200	8,463,936

Imports subject to duty (1893), 3,271,210*l.*; imports duty-free, 4,662,990*l.*

The imports into the colony consist of numerous articles of general consumption, textile manufactures, and British colonial produce, the principal article being drapery goods. Imports are 23*l.* 11*s.* 8½*d.* per head, and exports 25*l.* 3*s.* 2¼*d.* per head.

The principal exports have been as follows for five years :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Wool . . .	2,194,701	1,871,277	2,166,125	1,954,403	2,001,297
Wheat . . .	236,898	1,382,418	1,259,397	326,613	732,218
„ flour . . .	691,777	613,823	647,075	599,022	331,542
Copper ore . . .	82,355	71,575	53,175	43,485	5,808

181,861 tons of bread stuff were exported in 1893.

Only about 5 per cent. of the trade is with foreign countries. Of the remainder, on an average, about one half of the imports are from the United Kingdom, and the other half from the other Australian colonies. Of the exports about two thirds go to the United Kingdom, and the bulk of the remainder to the Australian colonies.

Recorded values and quantities are ascertained from invoices produced to the customs, 10 per cent. being added to the invoice value. In the absence of invoices customs officers value the goods. The countries of origin and destination are those obtained from warrants passed by importers and exporters respectively.

The subjoined table shows the imports from South Australia (exclusive of gold) into the United Kingdom, and the exports of British produce and manufactures to South Australia, according to the Board of Trade Returns, for the last five years :—

	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from S. Australia into U.K. . .	3,231,374	2,937,873	3,761,890	2,986,882	2,646,398
Exports to S. Australia . . .	1,622,763	2,040,559	2,388,894	1,717,492	1,404,776

The following were the values of the principal imports into and exports from the United Kingdom, from and to South Australia in the last five years, the values being shown from the Board of Trade returns:—

	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from S. Australia:					
Wool . . .	1,624,288	1,410,728	1,751,989	1,427,925	1,340,492
Wheat & flour . . .	214,763	476,259	372,233	115,778	240,015
Copper and copper ore . . .	69,835	176,231	204,410	129,353	160,207
Exports from U. K. to S. Australia:					
Iron . . .	211,564	359,355	465,232	288,179	201,154
Apparel, &c. . .	242,537	264,600	291,965	213,473	173,465
Cottons . . .	184,979	241,542	257,861	177,926	184,420
Woollens . . .	165,985	184,695	210,407	172,075	141,137
Machinery . . .	70,202	60,352	81,812	59,489	41,124

### Shipping and Navigation.

The registered shipping in 1893 consisted of 212 sailing vessels of 23,571 tons, and 92 steamers of 15,331 tons; total, 304 vessels of 38,902 tons.

In 1893, 948 vessels of 1,180,233 tons entered, and 971 vessels of 1,212,367 tons cleared the ports of the colony.

### Communications.

The colony possesses 4,737 miles of made roads. It had 1,810 miles of railway open for traffic in December 1893 (1,664 miles in South Australia and 146 in the Northern territory). The railways pay 5 per cent. profit to the Government.

There were 5,546 miles of telegraph and telephone in operation at the end of 1893, with 13,082 miles of wire. Inclusive of the total is an overland line running from Adelaide to Port Darwin, a distance of 2,000 miles in connection with the British Australian cable. The receipts exceed the cost of the department after paying interest on moneys borrowed for construction. Attached to the telegraph department are a number of telephone exchanges.

In 1893 there were 638 post offices in the colony; and during 1893 there passed through them 16,597,917 letters, 1,402,540 packets, and 8,909,279 newspapers.

### Banks.

There are 8 banking associations. In 1893 their total liabilities were 7,596,687*l.*, and assets 8,971,060*l.* The average note circulation was 350,771*l.* and deposits 7,180,989*l.*

The Savings Bank is managed by a board of trustees appointed by the Government, and has 133 branches. On June 30, 1893, there were 81,547 depositors, with a total balance of 2,326,730*l.*

*Agent-General of South Australia in London.*—Hon. T. Playford.

*Secretary and Accountant.*—T. F. Wicksteed.

### Statistical and other Books of Reference concerning South Australia.

Annual Statistical Register and Blue Book.

Census of South Anstralia, taken on the 5th April, 1891. Parts I. to IX. Fol. Adelaide, 1891-94.

*Conigrave* (J. F.), South Australia: a Sketch of its History and Resources. A Handbook compiled for the Colonial and Indian Exhibition in London, 1886. Adelaide, 1886.

*Finnis* (B. T.), The Constitutional History of South Australia during twenty-one years, from the foundation of the Settlement in 1836 to the inauguration of Responsible Government in 1857. London, 1886.

*Harcus* (William), South Australia: its History, Resources, Productions, and Statistics. London, 1876.

*Hodder* (Edwin), The History of South Australia. With Maps. 2 vols. 8. London, 1893.

*Newland* (S.), The Far North Country. Adelaide, 1887.

*Rees* (W. L.), Sir George Grey, K.C.B.: His Life and Times. 2nd edition. 2 vols. 8. London, 1892.

*Scott* (H. J.), A Handbook of South Australia in 1887-88. Adelaide, 1888.

*Woods* (J. D.), The Province of South Australia, with a Sketch of the Northern Territory by H. D. Wilson. Adelaide, 1894.

## TASMANIA.

### Constitution and Government.

The Constitution of Tasmania was established by Act 18 Vict. No. 17, supplemented by Acts 48 Vict. No. 54, passed in 1885, and 49 Vict. No. 8, passed in 1886. By these Acts a Legislative Council and a House of Assembly are constituted, called the Parliament of Tasmania. The Legislative Council is composed of eighteen members, elected by all natural-born or naturalised subjects of the Crown who possess either a freehold worth 20*l.* a year, or a leasehold of 80*l.*, or are barristers or solicitors on roll of Supreme Court, medical practitioners duly qualified, and all subjects holding a commission or possessing a degree. Each member is elected for six years. Members of the Legislative Council, and also of the House of Assembly, are paid 100*l.* per annum, and have the right to free railway passes, and of franking through the post-office and telegraph department. The House of Assembly consists of thirty-seven members, elected by all whose names appear on valuation rolls as owners or occupiers of property, or who are in receipt of income of 60*l.* per annum (of which 30*l.* must have been received during last six months before claim to vote is sent in), and who have continuously resided in Tasmania for over 12 months. The Assembly is elected for three

years. The number of electors for the Legislative Council at date 1893 was 7,185 or 4·67 of the total population, and for the House of Assembly 29,909 or 19·45 of the total population. The legislative authority vests in both Houses, while the executive is vested in a Governor appointed by the Crown.

*Governor.*—The Right Hon. Viscount Gormanston, K.C.M.G. Assumed office August 1893.

The Governor is, by virtue of his office, commander-in-chief of the troops in the colony; he has a salary of 3,500*l.* per annum. He is aided in the exercise of the executive by a cabinet of responsible ministers, consisting of six members, as follows:—

*Premier.*—Hon. Sir E. N. C. Braddon, K.C.M.G.

*Chief Secretary.*—Hon. W. Moore.

*Treasurer.*—Hon. P. O. Fysh.

*Attorney-General.*—Hon. A. J. Clark.

*Minister without Portfolio.*—Hon. Thos. Reibey.

*Minister of Lands and Works.*—Hon. A. J. Pillinger.

Each of the ministers, with the exception of the Premier (200*l.*), has a salary of 600*l.* per annum. The ministers must have a seat in either of the two Houses.

### Area and Population.

The first penal settlement was formed in Tasmania in 1804; and till 1813 it was merely a place of transportation from Great Britain and from New South Wales, of which colony it was a dependency until 1825. Transportation ceased in 1853.

The area of the colony, with Macquarie (170 square miles), is estimated at 26,385 square miles or about 16,886,000 acres, of which 15,571,500 acres form the area of Tasmania Proper, the rest constituting that of a number of small islands, in two main groups, the north-east and north-west. The colony is divided into eighteen counties.

According to Census Returns the population has increased as follows:—

—	Population.	Increase per Ct. per Annum.	—	Population.	Increase pe Ct. per Annum.
1841	50,216	—	1871	99,328	1·15
1851	70,130	3·96	1881	115,705	1·43
1861	89,977	2·83	1891	146,667	3·84

At the census of 1891 there were 77,560 males and 69,107 females. On the basis of this population, the average density is 5·6 persons to a square mile. Of the total population in 1891, 107,901 were natives of Tasmania, 26,975 natives of the United Kingdom, 7,328 natives of other Australasian colonies, 943 Chinese, 918 German. In 1891 there were 22,313 males and 21,399 females married, 52,195 males and 43,736 females unmarried, 2,423 males and 3,945 females widowed, 25 males and 6 females divorced, and 604 males and 21 females unspecified. The aborigines of Tasmania are entirely extinct.

Of the population in 1891, 3,918 were returned as professional ; 7,180 domestic ; 9,593 commercial ; 16,016 industrial ; 23,568 primary producers ; 1,136 indefinite ; 85,256 dependants.

The births, deaths, and marriages for five years have been as follows :—

—	Births.	Marriages.	Deaths.	Excess of Births.
1889	4,757	967	2,098	2,659
1890	4,813	954	2,118	2,695
1891	4,971	988	2,234	2,737
1892	4,965	995	2,069	2,896
1893	5,216	848	2,071	3,145

Of the total births in 1893, 230, or 4·40 per cent., were illegitimate.

The number of immigrants and emigrants was as follows in each of the last six years :—

—	1888	1889	1890	1891	1892	1893
Immigrants .	18,866	23,443	29,517	27,315	23,744	18,089
Emigrants .	17,936	20,771	27,070 <sup>1</sup>	21,233	24,407	18,649

<sup>1</sup> It is estimated that the departures are understated by about 7 per cent.

The direct movement of population is mainly between the Australian colonies (chiefly Victoria) and Tasmania.

The population of the capital, Hobart, on 6th April, 1891, was 24,905, and of Launceston 17,108.

## Religion.

The Government contributes 175*l.* annually for various religious purposes. On 5th April, 1891, the census showed belonging to the Church of England 76,082 of the population ; Roman Catholics, 25,805 ; Wesleyan Methodists, 17,150 ; Presbyterians, 9,756 ; Independents, 4,501 ; Jews, 84 ; Baptists, 3,285 ; Friends, 176 ; other sects, 9,828.

## Instruction.

There are 14 superior schools or colleges in the colony, with (1893) an average attendance of 2,195 ; 253 public elementary schools, with 20,475 scholars on roll ; and 160 private schools, with 5,984 scholars. Education is compulsory. There were also about 576 children attending ragged schools. There are also two technical schools at Hobart and Launceston. The higher education is under a university, who hold examinations and grant degrees. Elementary education is under the control of a director working under a ministerial head. There are several valuable scholarships from the lower to the higher schools. At the census of 1891 the number of persons returned as unable to read and write was 37,034, or 25·38 per cent. of the population.

The total cost to Government of education in 1893 was 45,120*l.* There are 39 public libraries and mechanics' institutes, with about 65,000 volumes. There are 5 daily, 9 weekly, 1 tri-weekly, 2 bi-weekly, and 6 monthly journals.



### Justice and Crime.

There is a Supreme Court, courts of petty, general, and quarter sessions, the latter presided over by a stipendiary magistrate, assisted by justices of the peace. The total number of prisoners that came before all the criminal courts in 1893 was 4,412 males and 624 females; of these 3,354 males and 505 females were summarily convicted, mostly for fraud; and 93 males and 4 females committed for trial. Before the Supreme Courts and sessions courts 61 persons were convicted. The total police force is 93. There were 2 gaols, with 185 male and 23 female inmates, at the end of 1893.

### Pauperism.

Besides hospitals and benevolent institutions, there are two establishments for paupers, with 513 male and 206 female inmates at the end of the year 1893, the daily average number of persons maintained during the year being 548 males and 208 females. The total expenditure during the year was 9,372*l.*, mainly contributed by the colonial Government. During the year outdoor relief was administered to 1,090 people, irrespective of 3,970 persons relieved by Benevolent Societies.

### Revenue and Expenditure.

Of the total yearly revenue about 57 per cent. is derived from taxation, chiefly customs; 21 per cent. from railways, postal, telegraph, and other public services; and the remainder principally from the rental and sale of Crown lands. Of the expenditure 34 per cent. is for special public works, 39 per cent. for interest, 9 per cent. for general purposes, 5 per cent. for religion, science, and education, 6 per cent. for hospitals and charities, 7 per cent. for law and protection. In 1893 13,354*l.* was spent in defence. The subjoined statement shows the total general revenue and expenditure during each of the last five years:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Revenue . .	678,909	758,100	883,198	787,761	706,972
Expenditure .	681,674	722,746	851,559	919,802	836,417

In 1893 the customs revenue amounted to 285,456*l.*

Included in the receipts and disbursements for 1893 are certain sums raised and expended for 'redemption of loans,' under the name of 'Territorial Revenue.'

The revenue for 1894 is estimated at 815,920*l.*, and expenditure 810,000*l.*

The total imperial expenditure in 1893 was 19,377*l.*, mainly by the War Office.

The public debt of Tasmania amounted December 31, 1893, to 7,645,604*l.*: the debt, except 2,707,200*l.* at 3½ per cent., consists principally of 4 per cent. debentures, redeemable from 1894 to 1910, and the whole was raised for the

construction of public works. The interest on the amount realised on the last  $3\frac{1}{2}$  per cent. loan floated was equivalent to 3·8 per cent. at par. The following is an abstract of loans expenditure up to December 31, 1893:—Public works: railways, 3,653,033*l.*, or 50·18 per cent.; telegraphs, 116,267*l.*, or 1·60 per cent.; roads, bridges, jetties, &c., 1,991,953*l.*, or 27·37 per cent.; public buildings, 648,649*l.*, or 8·91 per cent.; defences, 120,763*l.*, or 1·66 per cent.; other public works, 125,300*l.*, or 1·72 per cent.—total public works, 6,759,853*l.*, or 92·86 per cent.; other public services, 519,591*l.*, or 7·14 per cent.—total, 7,279,444*l.*, or 100 per cent.; balance of loans, raised chiefly for railways, 518,890*l.*

The total local revenue for 1892 was 210,627*l.*, and the expenditure 210,034*l.* Local debt, 497,888*l.*

### Defence.

The volunteer defence force of the colony numbers some 517 officers and men, and is composed of two rifle regiments, engineers, artillery, cadets corps, and auxiliary force, all under jurisdiction of commandants stationed at Hobart and Launceston. Included in the above is a small permanent force, stationed at Hobart, of 18 men for the purpose of keeping barracks and batteries in order, and to form the nucleus of a larger force. There is a staff for the instruction of the other branches of the volunteer system, including the country rifle clubs scattered throughout the Island.

There are four batteries on the river Derwent, and one on the Tamar.

### Production and Industry.

The total area of the colony is 16,778,000 acres, including 1,206,500 acres islands and lakes, unalienated land, principally heavily timbered or mineral-bearing, 10,786,328 acres. In 1891 19,408 persons were directly engaged in agriculture. In 1893 there were 550,865 acres under cultivation. Of the total area, 4,785,172 acres have been sold or granted to settlers by the Crown up to the end of 1893; while 651,903 acres have been leased as sheep runs. The total area under crops in 1893-94 was 191,951 acres; under grasses, 216,296 acres; fallow, 23,888; 11,557 acres were devoted to horticulture. The following table shows the acreage and produce of the chief crops for five years:—

—	1890	1891	1892	1893	1894
Wheat, acres . . .	49,055	39,452	47,217	58,897	55,312
„ bushels . . .	756,639	642,980	930,841	1,018,550	833,771·3
„ bushels per acre	15·43	16·29	19·71	17·29	15·07
Oats, acres . . .	40,169	20,740	28,242	22,976	33,755
„ bushels . . .	1,148,935	519,395	873,113	631,746	37,720
„ bushels per acre .	28·60	25·04	30·91	27·50	24·81
Potatoes, acres . . .	17,015	20,133	16,368	16,535	19,068
„ tons . . .	72,275	73,158	62,995	60,245	76,769
„ tons per acre.	4·25	3·63	3·84	3·64	4·02
Hay, acres . . .	50,913	45,381	45,338	46,070	47,500
„ tons . . .	73,859	52,021	66,996	53,544	54,889
„ tons per acre . . .	1·45	1·14	1·47	1·16	1·15

Under the head of horticulture 478 acres were sown with hops in 1893, yielding 594,917 lbs. of hops. The yield of apples was 661,350 bushels. Fruit culture is of great importance; large quantities of fruit are exported.

There were in the colony 31,587 horses, 169,141 head of cattle, 1,535,047 sheep and lambs, and 51,952 pigs, on March 31, 1894.

The soil of the colony is rich in iron ore, tin, copper, and galena, and there are large beds of coal. The total number of gold-mining leases in force at the end of 1893 was 353; of tin-mining leases, 529; coal, 23; silver, 328, copper, 8. Gold to the value of 131,104*l.* was exported in 1893, and silver to the value of 158,859*l.* Owing to cessation of alluvial working, the total number of persons employed in gold-mining has decreased from 2,060 in 1879 to 1,009 in 1892. The total number of men employed in silver mining in 1893 was 698, output 14,297 tons, valued at 198,508*l.* The total value of tin exports in 1893 was 266,159*l.* The total value of the tin exported up to the end of 1893 was 5,858,308*l.* The total number of men employed in coal-mining in 1893 was 143, output 34,042 tons, valued at 14,354*l.*

Commerce.

There are heavy customs duties, those levied in 1893 amounting to 285,456*l.*, or nearly 21 per cent. of the total value of imports. The total imports and exports of Tasmania, including bullion and specie, were as follows in each of the last five years:—

—	1889	1890	1891	1892	1893
Total imports	£ 1,611,035	£ 1,897,512	£ 2,051,964	£ 1,497,161	£ 1,057,683
Total exports	1,459,857	1,486,992	1,440,418	1,346,965	1,352,184

In 1893 the imports subject to duty amounted to 898,632*l.*, and the imports duty-free to 159,051*l.*

The exports are chiefly wool, gold, silver, tin, timber, fruit and jam, hops, grain, hides and skins, bark. The following are the values of the more important of these for five years:—

Year	Wool	Gold	Silver and Silver Ore	Tin	Timber and Bark	Hops	Fruit, Green and Preserved
1889	£ 283,237	£ 123,486	...	£ 345,407	£ 150,469	£ 23,115	£ 128,822
1890	419,173	87,085	16,872	296,761	125,439	31,948	136,502
1891	418,460	133,013	62,138	293,170	107,134	19,386	125,886
1892	329,585	143,737	79,353	290,794	79,948	32,069	147,866
1893	296,442	131,104	158,859	266,156	57,256	13,948	122,183

The chief imports in 1893 were textiles, 326,175*l.*; art and mechanical productions, 219,496*l.*; food and drinks, 260,309*l.*

Of the total imports those at the port of Launceston and Northern Sub-ports in 1893 were valued at 535,359*l.*, and Hobart, and Southern Sub-ports, 522,324*l.* Exports from Launceston, 785,830*l.*; from Hobart, 566,344*l.*

The following gives, according to Tasmanian returns, a synopsis of the general direction of trade during the years 1891, 1892, and 1893:—

Country	Imports from			Exports to		
	1891 £	1892 £	1893 £	1891 £	1892 £	1893 £
United Kingdom . . .	655,006	541,619	344,360	379,822	315,836	284,344
Victoria . . . . .	990,485	635,056	478,442	578,770	539,341	561,809
New South Wales . . .	303,798	262,456	204,138	427,330	438,309	461,237
Other British colonies .	69,326	39,194	20,896	52,337	53,479	44,804
Foreign countries . . .	33,349	18,836	9,847	2,559	—	—
Total . . . . .	2,051,964	1,497,161	1,057,683	1,440,818	1,346,965	1,352,184

The recorded values are determined by the invoices and declarations; the quantities are ascertained from invoices, weights being checked by the customs officials. It is difficult to arrive at the value of the import trade in respect of any particular country, the custom being to refer all imports, whether transshipments or re-exports, to the last port of clearance. Owing to the increasing facilities offered by steam communication, direct trade with Tasmania is falling off in favour of indirect trade principally through Victoria, which from its geographical position is the nearest port of junction with the great oceanic lines of steamers with Europe. It is estimated that the true extent of inter-colonial trade in itself does not greatly exceed 25 per cent. of the whole, the balance being principally trade with England.

The total value of the imports into the United Kingdom from Tasmania and of the exports of British produce to Tasmania direct, for five years, was as follows, according to the Board of Trade returns:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Tasmania .	319,792	345,863	404,769	395,356	253,099
Exports of British produce . . . . .	490,530	609,324	653,324	477,790	327,965

The staple article of import into the United Kingdom from Tasmania is wool. The value was 280,048*l.* in 1889, 296,478*l.* in 1890, 290,740*l.* in 1891, 237,683*l.* in 1892, 135,909*l.* in 1893. In 1893 fruit to the value of 61,367*l.*, and silver ore 17,366*l.* The principal exports from Great Britain to Tasmania are apparel and haberdashery, of the value of 58,849*l.* in 1893; iron, wrought and unwrought, 41,161*l.*; cottons, 40,061*l.*; woollens, 28,622*l.*

### Shipping and Navigation.

The registered shipping in 1893 consisted of 171 sailing vessels of 10,583 tons, and 55 steamers of 8,916 tons; total, 226 vessels of 19,499 tons. In 1893 693 vessels of 466,312 tons entered (47 of 119,665 tons belonging to the United Kingdom), and 690 of 468,127 tons (48 of 120,598 tons belonging to the United Kingdom) cleared Tasmanian ports. Of the former 294 of 305,561 tons cleared, and of the latter 292 of 300,408 tons entered Hobart; the remainder falling to Launceston and sub-ports.

### Internal Communications.

At the end of 1893 there were open for traffic 475 miles of railway completed, consisting of a main line connecting the two principal ports, Hobart and Launceston, and a line connecting Launceston and Ulverstone, and other inland branch lines.

Tasmania has a telegraph system, belonging to the Government, through all the settled parts of the colony. At the end of 1893 the number of miles

of line in operation was 2,187, and 3,397 and 366 cable miles of wire ; the number of stations 210. The number of telegraphic messages sent was 207,591 in the year 1893. On May 1, 1869, telegraphic communication was established with the continent of Australia by a submarine cable, which carried 76,226 messages in 1893. There are also 489 miles of telephone wire, with exchanges at New Norfolk, Hobart, and Launceston. The revenue of the Government telegraph and telephone system was 15,572*l.*, and the expenditure 22,833*l.*, in the year 1893.

The number of letters carried by the Post Office in the year 1893 was 5,555,641 ; of packets, 1,399,973 ; of newspapers, 4,231,868 ; and post-cards, 166,323. The Post Office revenue in 1893 was 50,563*l.*, and the expenditure 49,098*l.* There were 337 post-offices in 1893, 610 officers, 2,904 miles of post roads, and 1,411,375 miles travelled.

*Agent-General in London*—Hon. Sir Robert G. W. Herbert, G.C.B.

### Books of Reference.

Annual Statistical Register and Blue Book. Annual Official Record.

Census of Tasmania, 1891. Hobart, 1892.

Year Book of Tasmania. Hobart.

*Fenton* (James), History of Tasmania. Hobart, 1884.

*Johnston* (R. M.), Handbook of Tasmania. Annual. Hobart.

*Just* (T. C.), Tasmaniana : a Description of the Island and its Resources. Launceston, 1879.

*Lloyd* (Geo. Thomas), Thirty-three Years in Tasmania and Victoria. 8. London, 1862.

*Rusden* (G. W.), The History of Australia. 3 vols. London, 1883.

## VICTORIA.

### Constitution and Government.

The Constitution of Victoria was established by an Act passed by the Legislature of the colony in 1854, to which the assent of the Crown was given, in pursuance of the power granted by the Act of the Imperial Parliament of 18 & 19 Vict. cap. 55. The legislative authority is vested in a Parliament of two Chambers : the Legislative Council, composed of forty-eight members, and the Legislative Assembly, composed of ninety-five members (1893). Members of the former must be in possession of an estate of the annual value of 100*l.* ; and electors must be in the possession or occupancy of property of the rateable value of 10*l.* per annum if derived from freehold, or of 25*l.* if derived from leasehold or the occupation of rented property. No electoral property qualification is required for graduates of British universities, matriculated students of the Melbourne University, ministers of religion of any denomination, certificated schoolmasters, lawyers, medical practitioners, and officers of the army and navy not in active service. About one-third of the members of the Legislative Council must retire every two years. The members of the Legislative Assembly require no property qualification, and are elected by universal manhood suffrage, for the term of three years. Clergymen of any religious denomination

are not allowed to hold seats in either the Legislative Council or the Legislative Assembly.

Members of the Legislative Assembly are entitled to reimbursement for expenses at the rate of 300*l.* per annum, and members of both Houses have free passes over all the railways.

In 1893–94 the number of electors on the roll of the Legislative Council was 153,442; the number of electors on the roll of the Legislative Assembly was 229,036. Of the former all but 503, and of the latter all but 23,600, are ratepayers.

The executive is vested in a Governor appointed by the Crown.

*Governor.*—The Right Hon. the Earl of *Hopetoun*. Appointed 1889; retires in April on six months' leave of absence, and is succeeded by Lord Brassey.

The Governor, who is likewise commander-in-chief of the colonial troops, has a salary of 7,000*l.* a year. In the exercise of the executive he is assisted by a Cabinet of responsible ministers, composed as follows:—

*Premier and Treasurer.*—Hon. George *Turner*, M. L. A.

*Attorney-General.*—Hon. Isaac *Isaacs*, M. L. A.

*Minister of Health and Solicitor-General.*—Hon. H. *Cuthbert*, M. L. C.

*Commissioner of Trade and Customs, President of the Board of Land and Works and Commissioner of Crown Lands and Survey.*—Hon. R. W. *Best*.

*Minister of Defence.*—Hon. G. *Turner*, M. L. A.

*Minister of Mines and Water Supply.*—Hon. H. *Foster*, M. L. A.

*Minister of Agriculture and Commissioner of Public Works.*—Hon. J. W. *Taverner*, M. L. A.

*Minister of Railways.*—Hon. H. R. *Williams*, M. L. A.

*Portfolios without Office.*—Hons. A. *McLean*, and W. *McCulloch*.

Hitherto the Premier has had a salary of 2,000*l.*, the Treasurer and the Attorney-General 1,800*l.* each, and—except one at 1,500*l.*—the other ministers receive 1,400*l.* each. These salaries have lately been reduced. At least four of the ministers must be members of either the Legislative Council or the Assembly, but not more than eight may at any one time be members of the Assembly.

#### LOCAL GOVERNMENT.

For purposes of local administration the colony is divided into urban and rural municipalities. The former, called cities, towns, and boroughs, ought not to be of a greater area than nine square miles, and in being constituted must contain at least 300 householders. The latter, called shires, are portions of country, of undefined extent, containing rateable property capable of yielding a revenue of 500*l.* In 1893 there were 59 urban and 142 rural municipalities, all but a very small portion of the whole area of the colony being included within their limits. Every ratepayer has one or more votes, according to the amount of his rates.

#### Area and Population.

The colony, first settled in 1835, formed for a time a portion of New South Wales, bearing the name of the Port Phillip district. It was erected in 1851—by Imperial Act of Parliament,

13 & 14 Vict. cap. 59—into a separate colony, and called Victoria. The colony has an area of 87,884 square miles, or 56,245,760 acres, about  $\frac{1}{34}$  part of the whole area of Australia. The colony is divided into 37 counties, varying in area from 920 to 5,933 square miles.

The growth of the population, as shown by the censuses of successive periods, is exhibited in the following table:—

Date of Enumeration	Males	Females	Total	Annual rate of Increase per cent.
November 8, 1836 . . . . .	186	38	224	—
March 2, 1846 . . . . .	20,184	12,695	32,879	1457·81
March 29, 1857 . . . . .	264,334	146,432	410,766	104·50
April 7, 1861 . . . . .	328,651	211,671	540,322	7·88
April 2, 1871 . . . . .	401,050	330,478	731,528	3·54
April 3, 1881 . . . . .	452,083	410,263	862,346	1·79
April 5, 1891 . . . . .	598,414	541,991	1,140,405	3·22

The average density of the population is about 13 persons to the square mile, or one person to every 50 acres.

The following table gives a summary of the population of Victoria, according to the census taken on April 5, 1891:—

—	Males	Females	Total
Population, exclusive of Chinese and aborigines . . . . .	589,317	541,146	1,130,463
Chinese . . . . .	8,772	605	9,377
Aborigines . . . . .	325	240	565
Total . . . . .	598,414	541,991	1,140,405

The estimated population on March 31, 1894, was 1,172,144.

During the decade ended with 1891 there was a large decrease in the number of the Chinese and aborigines.

At the date of the census of 1891, 97 per cent. of the population were British subjects by birth; native Victorians numbered 713,585, or 63 per cent. of the population; natives of the other Australasian colonies, 79,719; of England and Wales, 162,907; of Ireland, 85,307; of Scotland, 50,667.

Of the total population (exclusive of Chinese and aborigines) in 1891, there were 493,977 bread-winners and 629,800 dependants, while 6,686 were not accounted for. Of the bread-winners there were—professional, 29,631; domestic, 56,980; commercial, 98,472; industrial, 167,127; primary producers, 123,996 (including agricultural, 82,482; pastoral, 15,296; mining, 22,464); indefinite, 17,771.

About five-ninths of the total population of Victoria live in towns. At the end of 1893 it was estimated that the town population numbered 651,040, out of a total population of 1,174,006.

Inclusive of the suburbs the estimated populations in 1893 of the principal towns were as follows:—Melbourne, 444,832, or over two-fifths of the popula-

tion of the colony ; Ballarat, 44,766 ; Bendigo (Sandhurst), 40,936 ; Geelong, 24,315 ; Warrnambool, 6,600 ; Castlemaine, 6,892, and Stawell, 5,320.

The following are the births, deaths, and marriages in the colony for five years :—

Year	Total Births	Illegitimate	Deaths	Marriages	Surplus of Births
1889	36,359	1,809	19,392	9,194	16,967
1890	37,578	1,913	18,012	9,187	19,566
1891	38,505	2,064	18,631	8,780	19,874
1892	37,831	2,116	15,851	7,723	21,980
1893	36,552	1,997	16,508	7,004	20,044

In the 37 years from 1838 to the end of 1874, more than 167,000 immigrants received assistance from the public funds for defraying their passage to the colony ; but since 1874 State-assisted immigration has ceased. No account is taken of migration overland across the borders, but the recorded immigration into and emigration from the colony of Victoria by sea were as follow in each of the last five years :—

Year	Immigration (by sea)	Emigration (by sea)
1889	84,582	68,418
1890	79,777	63,820
1891	62,448	53,172
1892	62,951	69,214
1893	74,047	80,460

Of the immigrants in 1893, 50,674 were males and 23,373 were females ; and of the emigrants 54,271 were males and 26,189 females. In 1892 and 1898, there was exceptionally an excess of emigrants over immigrants, amounting to 6,263 in the former, and 6,413 in the latter year, in consequence of departures for the neighbouring colonies.

### Religion.

There is no State Church in Victoria, and no State assistance has been given to religion since 1875. Prior to that period a sum of 50,000*l.* had been set apart annually out of the general revenue for the advancement of the Christian religion in Victoria, and this amount had been distributed proportionately amongst the various denominations. At the date of the census of 1891 about 75 per cent. of the population were Protestants, 22 per cent. were Roman Catholics, and a half per cent. were Jews. The following were the enumerated numbers of each of the principal divisions in 1891 :—Episcopalians, 417,182 ; Presbyterians, 167,027 ; Methodists, 158,040 ; other Protestants, 94,608 ; Roman Catholics, 248,591 ; Jews, 6,459 ; Buddhists, Confucians, &c., 6,746 ; others (including unspecified), 41,752.

### Instruction.

Educational establishments in Victoria are of four kinds, viz., the University with its three affiliated colleges, State schools (primary), technical schools or colleges, and private schools. The Melbourne University was established under a special Act of the Victorian Legislature, and the building was opened on October 3, 1855. The Institution at present receives, by way of endowment, £13,750 annually out of the general revenue. It is both an examining and a teaching body, and in 1859 received a royal charter empowering it to grant degrees in all Faculties except Divinity.



Affiliated to the University are three colleges—Trinity, Ormond, and Queen's—in connection with the Church of England, Presbyterian, and Wesleyan Churches respectively. The School of Mines at Ballarat is also affiliated to the University. From the opening of the University to the end of 1893, 3,625 students matriculated, and 1,705 direct degrees were conferred. In 1893 the students who matriculated numbered 135, the direct graduates numbered 123, and there were 639 students attending lectures.

Public instruction is strictly secular; it is compulsory for children between the ages of 6 and 13, and free for the subjects comprised in the ordinary course of instruction. In 1893 there were 2,038 State schools, with 4,968 teachers, a total enrolment of 236,508 scholars, and average attendance 129,678, or about 55 per cent. of the numbers on the roll. Practically all the children of school age living in the colony are being educated, 84 per cent. at the State schools. Amongst persons aged 15 years and upwards at the census of 1891, 95¼ per cent. were able to read and write, and only 2½ per cent. were entirely illiterate. In 1892-93 the total cost of public (primary) instruction, exclusive of expenditure on buildings, was 715,736*l.*—all paid by the State. Although the education given by the State is strictly primary, twelve exhibitions—of the yearly value of 40*l.* each, and tenable for four years, and 75 scholarships—of the annual value of 10*l.*, tenable for three years—are awarded annually to the ablest scholars, to enable them to complete their education at the private grammar schools and at the University. Secondary education is entirely under the control either of private persons or proprietary bodies, usually connected with some religious denomination. There were in 1892-93 744 private schools in Victoria, with 1,955 teachers, and attended by 36,126 scholars. These numbers include 196 schools, 689 teachers, and 21,042 scholars in connection with the Roman Catholic denomination, the members of which do not as a rule avail themselves of the free education afforded by the State.

The other educational establishments embrace 26 technological schools under the control of the Education Department, viz., 3 working men's colleges, 10 schools of arts, 11 schools of mines, and 2 agricultural colleges. In 1892 there were 185 lecturers attached to the technological schools, irrespective of agricultural colleges, and the gross enrolment of pupils was 7,436.

The public library of Melbourne has about 366,668 volumes, pamphlets, and parts. The leading towns have either a public library or a mechanics' institute. On Jan. 1, 1893, they numbered 419. The total number of volumes in the libraries, exclusive of Melbourne, was about 560,000.

### Justice and Crime.

There is a Supreme Court with a Chief Justice and five puisne judges. There are courts of general and petty sessions, county courts, courts of insolvency, courts of mines, and courts of licensing. The following are the criminal statistics for five years:—

—	1888	1889	1890	1891	1892
Taken into custody . . . . .	37,309	37,321	38,465	35,429	33,283
Summarily convicted . . . . .	23,307	23,298	24,494	22,280	21,624
Committed for trial . . . . .	873	1,023	1,129	1,142	1,142
Sentenced . . . . .	557	680	605	729	759

There are 9 prisons in Victoria, besides police gaols. At the end of 1893 there were confined in these prisons 1,323 males and 256 females.

### Finance.

The actual revenue and expenditure of the colony in each of the last five years ended June 30 were—the figures for the last year being only approximate:—

Year ended June 30—	Revenue	Expenditure
	£	£
1890	8,519,159	9,645,737
1891	8,343,588	9,128,699
1892	7,729,572	8,482,917
1893	6,959,229	7,989,757
1894	6,719,623	7,384,961

The following table shows the actual amounts of revenue and expenditure under the principal heads during 1892–93:—

Heads of Revenue	Amount	Heads of Expenditure	Amount
	£		£
<i>Taxation:—</i>			
Customs, duties, &c. . . . .	1,739,285	Interest and expenses of debt . . . . .	1,836,185
Excise . . . . .	251,254	Railways (working expenses) . . . . .	1,769,145
Land tax . . . . .	119,216	Other public works . . . . .	894,466
Duties on estates of deceased persons . . . . .	183,928	Post and telegraphs . . . . .	716,138
Duty on bank notes . . . . .	23,720	Crown lands, &c. . . . .	243,312
Stamp duty . . . . .	170,000	Public instruction, science, &c. . . . .	782,676
Business licences . . . . .	19,869	Charitable institutions, &c. . . . .	290,751
Tonnage, dues, &c. . . . .	15,507	Judicial and legal . . . . .	198,935
<b>Total taxation . . . . .</b>	<b>2,522,779</b>	Police and gaols . . . . .	330,498
Railways . . . . .	2,912,788	Customs, harbours, &c. . . . .	110,048
Post and telegraphs . . . . .	546,404	Mining . . . . .	104,498
Crown lands . . . . .	482,768	Defences . . . . .	220,785
Other sources . . . . .	494,490	Other expenditure . . . . .	492,320
<b>Total . . . . .</b>	<b>6,959,229</b>	<b>Total . . . . .</b>	<b>7,989,757</b>

The approximate revenue for 1893–4 was 6,719,623*l.*, and expenditure 7,384,961*l.*

The amount raised by taxation, as shown in the last table, viz. 2,522,779*l.* was equivalent to a proportion of 2*l.* 3*s.* 3*d.* per head of population.

Victoria has a debt, incurred in the construction of public works, which amounted, on June 30, 1894, to 46,547,708*l.* (exclusive of 750,000*l.* to cover revenue deficits). On June 30, 1893, it was 45,940,987*l.* (exclusive of temporary treasury bills and loans raised to replace others about to fall out). Of this sum, 35,805,978*l.* was borrowed for the construction of railways, 7,228,483*l.* for waterworks, 1,105,557*l.* for State school buildings, and

1,800,969*l.* for other public works. The rate of interest on the public debt varied from  $3\frac{1}{2}$  to 5 per cent., and averages a little below 4 per cent.

The net local revenue and expenditure (Municipalities, Harbour Trust, Metropolitan Board of Works, and Fire Brigade Boards) for 1893 were respectively 1,468,730*l.* and 2,495,953, the expenditure being inclusive of 580,578*l.* expended mostly by the Metropolitan Board from loans. The net local debt (exclusive of amounts borrowed first by Government) amounted to 53,216,866*l.*

The estimated total value of the rateable property of the colony in 1893 exceeded 189,461,350*l.*, and the annual value was 12,779,600*l.*

### Defence.

The land forces of Victoria at the end of 1892 comprised an establishment of 5,388 men of all arms, of whom 393 were permanent, and 3,195 formed the militia, the remainder being volunteers. The naval force consists of a permanent force of 236, and the Naval Brigade, of 340 officers and men.

The Naval flotilla of the colony consists of the coast-defence ironclad *Cerberus*, and the steel gunboats *Albert* and *Victoria* as well as the iron gun-boats *Batman*, *Fawkner*, and *Gannet*, and a few torpedo boats. Victoria is a considerable contributor to the support of the Australian auxiliary ships. (See *post* under "Australian Defence.")

## Production and Industry.

### I. AGRICULTURE.

Of the total area of Victoria about 2,656,817 acres are either alienated or in process of alienation. Of the remainder about 8,500,000 acres are at present suitable for agriculture; 15,500,000 acres for pastoral purposes; State forests, timber and water reserves, over 4,700,000 acres; auriferous land, 1,046,000 acres; and roads, 1,330,000.

The total number of cultivated holdings in 1893-94 was 34,547.

The following table shows the areas under the principal crops and the produce of each for five years:—

Years	Total Area Cultivated	Wheat		Oats		Barley		Potatoes		Hay	
		Acres	Bushels	Acres	Bushels	Acres	Bushels	Acres	Tons	Acres	Tons
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1890	2,627	1,179	11,496	236	5,645	90·7	1,831	47	157	451·5	666
1891	2,653	1,145	12,751	221	4,919	88	1,571	54	204	413	568
1892	2,688	1,333	13,679	190	4,456	45	844	57	201	309	514
1893	2,970	1,343	14,815	178	4,575	38	774	41	143	513	740
1894	3,019	1,469	15,255	219	4,951	49	1,034	41	145	412	503

The produce per acre of the principal crops has been:—

Year	Wheat	Oats	Barley		Potatoes	Hay
			Malting	Other		
	Bushels	Bushels	Bushels	Bushels	Tons	Tons
1890	9·75	23·87	20·18	3·33	3·33	1·48
1891	11·13	22·26	16·59	23·99	3·79	1·37
1892	10·26	23·43	16·32	26·62	3·50	1·39
1893	11·03	25·75	18·15	26·35	3·51	1·44
1894	10·38	22·62	20·08	24·84	3·54	1·22

In addition to these, green forage and permanent artificial grasses covered 240,835 acres, vines covered 30,327 acres, and gardens and orchards occupied an extent of about 34,584 acres in 1893-94.

On March 31, 1894, it is estimated there were in the colony 463,903 horses, 1,817,291 head of cattle, 13,098,725 sheep, and 328,162 pigs.

## II. MINING.

The subjoined statement gives, from official returns, the estimated quantities of gold, with value, obtained in Victoria in each of the last five years:—

Years	Number of Ounces	Approximate Value	Years	Number of Ounces	Approximate Value
		£			£
1889	614,839	2,459,356	1892	654,456	2,617,824
1890	588,561	2,354,244	1893	671,126	2,684,504
1891	576,400	2,305,600			

The total quantity of gold raised from 1851 to 1893 is estimated at 58,741,341 oz., of an aggregate value of 234,965,364*l.* The estimated number of miners at work on the gold-fields at the end of 1893 was 25,519, of whom 2,413 were Chinese.

## III. MANUFACTURES.

The total number of manufactories, works, &c. in March 1893, was 3,055, of which about 1,735 used steam or gas engines, with an aggregate horse-power of 29,114; the number of hands employed was 43,921; and the lands, buildings, machinery, and plant were valued at 14,931,342*l.* The manufactures are almost entirely for home consumption.

## Commerce.

There are heavy tariffs on most of the important articles of import, the total customs duties collected in 1893 amounting to 1,707,127*l.* (including 43,327*l.* primage duty), equal to about 13 per cent. of the total value of imports.

The total value of the imports and exports of Victoria, including bullion and specie, in each of the last five years, was:—

Years	Total Imports	Total Exports	Years	Total Imports	Total Exports
	£	£		£	£
1889	24,402,760	12,734,734	1892	17,174,545	14,214,546
1890	22,954,015	13,266,222	1893	13,283,814	13,308,551
1891	21,711,608	16,006,743			

In 1893 the imports subject to duty other than primage rates amounted to 4,308,280*l.*, and the duty from imports to 8,975,534*l.*

The value of the trade during 1892 and 1893 between Victoria and the principal British and foreign countries is shown in the following table, according to Victorian returns:—

Country	1892		1893	
	Imports therefrom	Exports thereto	Imports therefrom	Exports thereto
<i>British Countries :—</i>	£	£	£	£
United Kingdom . . . . .	6,857,090	7,599,501	5,511,735	7,490,804
Australian colonies . . . . .	7,096,862	3,990,976	5,875,669	3,617,096
India . . . . .	378,596	68,877	276,898	268,948
Ceylon . . . . .	138,326	1,924	121,751	4,753
Canada . . . . .	42,445	—	4,040	49
Other British possessions . . . . .	379,659	103,373	175,250	85,767
Total . . . . .	14,892,978	11,764,651	11,965,343	11,467,417
<i>Foreign Countries :—</i>				
Belgium . . . . .	114,622	459,436	48,679	335,415
France . . . . .	58,774	953,658	37,362	951,032
Germany . . . . .	473,576	678,406	266,151	246,280
Sweden and Norway . . . . .	175,027	880	70,677	869
Java and Philippine Islands . . . . .	590,687	10,138	327,023	7,245
China . . . . .	220,202	30	167,879	61
United States . . . . .	588,057	241,389	354,581	16,452
Others . . . . .	60,622	105,958	46,119	283,780
Total . . . . .	2,281,567	2,449,895	1,318,471	1,841,134
All countries . . . . .	17,174,545	14,214,546	13,283,814	13,308,551

The following are the values<sup>1</sup> of the principal articles imported and exported in 1893 :—

Imports		Exports	
Articles	Value	Articles	Value
	£		£
Wool . . . . .	2,552,933	Gold (inclusive of specie)	2,851,179
Woollen and woollen piece goods . . . . .	445,652	Wool . . . . .	5,103,907
Cottons . . . . .	711,548	Live stock . . . . .	272,221
Sugar . . . . .	619,830	Leather, leatherware, and leathern cloth . . . . .	218,426
Tea . . . . .	412,274	Breadstuffs . . . . .	1,067,583
Live stock . . . . .	478,422	Tea (re-export) . . . . .	265,107
Timber . . . . .	154,061	Sugar (chiefly refined in Victoria) . . . . .	99,897
Iron and steel (exclusive of railway rails, telegraph wire, &c. . . . .)	397,565	Apparel and slops . . . . .	87,335
Coal . . . . .	418,484	Tallow . . . . .	228,092
All other articles . . . . .	7,093,045	All other articles . . . . .	3,114,804
Total . . . . .	13,283,814	Total . . . . .	13,308,551

<sup>1</sup> In the case of dutiable imports the recorded value is the value in the principal markets of the country of export as established by declaration and the production of original invoices, with 10 per cent. added. The value of goods free from duty, of which the principal are wool, skins, and tallow, is the value at the place of import as declared by importers. The value of goods for export is the value at the port of shipment, as declared by exporters. The recorded quantities are those declared by importers and exporters. Those of imports

The values of the principal articles of import and export have been as follows in the last five years :—

—	1889	1890	1891	1892	1893
Imports					
	£	£	£	£	£
Coal . . . . .	753,048	745,589	837,810	675,047	418,484
Cottons . . . . .	952,262	958,266	973,704	742,095	711,548
Iron and steel . . . . .	1,002,840	1,034,112	1,046,703	537,481	397,565
Live stock . . . . .	1,081,348	1,997,051	1,553,727	991,113	478,422
Sugar and molasses . . . . .	992,761	1,208,797	1,051,838	872,457	619,830
Timber . . . . .	1,390,036	1,288,982	897,264	425,466	154,061
Wool . . . . .	3,595,449	3,190,298	3,372,154	3,134,917	2,552,933
Woollens . . . . .	969,412	785,961	903,657	655,411	445,652
Exports					
Gold, mostly specie . . . . .	2,280,326	2,739,503	2,641,443	1,848,948	2,851,179
Wheat . . . . .	84,064	114,357	909,636	776,278	717,087
Live stock . . . . .	538,973	476,717	457,394	443,717	272,221
Wool . . . . .	5,928,932	5,933,699	7,165,092	6,619,141	5,103,907

The quantity of wool exported in 1893 amounted to 150,892,425 lbs., valued at 5,103,907*l.*, of which, however, less than half was the produce of Victoria.

Of the total imports those arriving at the port of Melbourne were valued at 10,438,901*l.*, and of the exports those shipped from Melbourne were valued at 11,942,448*l.* in 1893.

The commercial intercourse of Victoria with the United Kingdom (exclusive of gold) is shown in the subjoined table, according to the 'Board of Trade Returns,' for each of the last five years :—

—	1889	1890	1891	1892	1893
Imports into U.K. from Victoria . . . . .	£	£	£	£	£
Exports of Brit. produce to Victoria . . . . .	5,500,105	3,968,662	5,612,129	5,974,418	6,078,997
	7,721,118	7,101,348	7,249,224	4,726,361	3,353,325

The staple articles of import into the United Kingdom from Victoria are

are nearly all checked and corrected by Custom House officers. The country of origin, or production, of imports is ascertained from the declarations of importers. It is supposed to be that of prime origin, but the "country whence the goods are imported" is that where they are put on board the importing ship. The country of destination of exports is that of the ultimate destination which they will reach by the vessel in which they are exported. It must be admitted, however, that in both cases the information supplied is to a great extent not to be depended upon. There is no distinction in the Victorian returns between "general" and "special" trade. The transit trade embraces goods removed from ship to ship, or from ship to railway, without being landed for a longer period than is necessary for such removal. Such goods are excluded from the returns of general exports and imports. The value of the statistical results is somewhat impaired by the unreliability of the declarations of importers and exporters, upon which they are based. The imports are under a closer supervision by the Customs Department than the exports, and are therefore less liable to error.

wool and gold. The imports of wool into Great Britain were as follows in each of the last five years:—

Years	Quantities		Value
	Lbs.		£
1889	91,367,360		4,418,382
1890	98,300,002		4,930,739
1891	92,653,966		4,181,763
1892	99,785,836		4,218,627
1893	93,429,673		3,885,171

Among the minor articles of merchandise imported into the United Kingdom from Victoria in 1893 were wheat and flour, of the value of 398,310*l.*; tallow, 201,664*l.*; leather, 221,677*l.*; preserved and frozen meat, 16,501*l.*; bark, 11,994*l.*; sheep skins and furs, 327,876*l.*

The British exports to Victoria embrace nearly all articles of home manufacture, chief among them iron, wrought and unwrought, 403,013*l.*; hardware and cutlery, 51,289*l.*; woollen goods, 309,003*l.*; apparel and haberdashery, 292,027*l.*; cotton goods, 643,256*l.*; machinery, 70,156*l.*; paper, 191,293*l.*; beer and ale, 41,768*l.*, in 1893.

### Shipping and Navigation.

The registered shipping in 1894 consisted of 282 sailing vessels of 45,672 tons, and 157 steamers of 48,241 tons, total 439 vessels of 93,913 tons.

The shipping inwards and outwards has been as follows for five years:—

Years	Entered		Cleared	
	Vessels	Tons	Vessels	Tons
1889	2,855	2,270,827	2,886	2,328,351
1890	2,474	2,178,551	2,459	2,184,790
1891	2,531	2,338,864	2,560	2,376,245
1892	2,255	2,224,652	2,266	2,231,602
1893	1,889	2,009,187	1,887	2,020,551

Of the vessels entered in 1893, 349 of 766,473 tons, and of those cleared 356 of 773,472 tons were British; 1,442 of 1,050,267 tons entered, and 1,430 of 1,049,996 tons cleared, were colonial. Of the total entered 1,604 of 1,921,677 tons, and cleared 1,563 of 1,873,110 tons, were at the port, Melbourne.

### Internal Communication.

The railways in Victoria all belong to the State. There were 2,975 miles of railway completed at the end of 1892-93.

The total cost of the lines open to June 30, 1893, was 37,451,487*l.*—of which all but about 3,150,000*l.* was derived from loans—being about an average of 12,589*l.* per mile for the miles open. The gross receipts in the year 1892-93 amounted to 2,925,948*l.*; and the expenditure to 1,850,291*l.*, or 63 per cent. of the receipts. The profit on working was thus 1,075,657*l.*, being equivalent to 2.89 per cent. of the mean capital cost, or 3.14 of the borrowed capital, which bears interest at the average rate of a small fraction over 4 per cent. The number of passengers conveyed in the year 1892-93 was

58 millions, and the weight of goods and live stock carried was 3,387,000 tons. The train mileage in 1892-93 was 10,775,134 miles. The proportions of receipts from passengers and goods traffic to the total receipts were 52 and 48 per cent. respectively.

The Post-Office of the Colony forwarded 62,526,448 letters, 7,491,316 packets, and 22,729,005 newspapers in the year 1890. There were 1,733 post-offices on December 31, 1893. The total postal revenue, including the receipts from telegraphs, telephones, &c., was approximately 546,400*l.* in the year 1892-93, and the expenditure was 623,700*l.*

There were about 7,105 miles of telegraph lines (including railway telegraphs), comprising 14,220 miles of wire, open at the end of 1893. The number of telegrams despatched in the year 1893 was about 2,476,178. The revenue from telegraphs was 109,154*l.* in the year 1892-93. At the end of the year 1893 there were 779 telegraph stations.

The telephone system (exclusive of railway telephones) included 510 miles of poles, 100 miles of aerial cable, and 10 miles of underground cable, the whole containing 9,926 miles of wire; whilst the sets of telephones in use numbered 4,226.

### Money and Credit.

A branch of the Royal Mint was opened at Melbourne on June 12, 1872. Up to Dec. 31, 1893, 14,656,822 oz. of gold, valued at 58,594,138*l.*, was received at the mint, and gold coin and bullion issued of the value of 58,592,966*l.* No silver or bronze coin is struck at the Melbourne Mint.

In 1893 there were 381 post-office and 18 general savings-banks. At the end of the year there were 324,389 depositors, with a total balance of 6,715,443*l.*

During the first quarter of 1894 Victoria had 12 banks of issue, with about 470 branches and agencies, with notes in circulation, 1,107,664*l.*, deposits 34,459,686*l.*, the total liabilities being 35,856,992*l.*; gold and silver, coined and in bars, 8,703,529*l.*; landed property, 2,022,548*l.*; advances, &c., 44,989,273*l.*; total assets, 56,028,125*l.* Total paid-up capital, 15,965,906*l.*

*Government Statist.*—Henry Heylyn Hayter, C.M.G.

*Agent-General for Victoria in Great Britain.*—The Hon. Duncan Gillies, *Secretary (Acting).*—S. B. H. Rodgerston.

### Books of Reference.

Annual Statistical Register and Blue Book.

Report on Census of Victoria, 1891. By H. H. Hayter, C.M.G. Fol. Melbourne, 1893.

Handbook to the Colony of Victoria. By H. H. Hayter, C.M.G. (pamphlet). Fresh editions issued from time to time.

Mineral Statistics of Victoria for the year 1893. Fol. Melbourne, 1894.

Report on the Vital Statistics of Melbourne and Suburbs. By H. H. Hayter, C.M.G. Published annually. Melbourne.

Statistics of Friendly Societies in Victoria, with a Report by H. H. Hayter, C.M.G. Published annually. Melbourne.

Statistics of Trades Unions in Victoria, with a Report by H. H. Hayter, C.M.G. Published annually. Melbourne.

Victoria: Defence Reorganization Scheme. Melbourne, 1883.

Victorian Year Book. By H. H. Hayter, C.M.G. Published annually in Melbourne.

Blair (David), Cyclopædia of Australasia. Melbourne, 1881.

Finn (Edmund), Chronicles of Early Melbourne. 2 vols. illustrated. Melbourne, 1889.

Jenks (E.), The Government of Victoria. 8. London, 1891.

Labilliere (Francis Peter), Early History of the Colony of Victoria, from its Discovery to its Establishment as a Self-governing Province of the British Empire. 2 vols. 8. London, 1878.

Mennell (Philip), The Dictionary of Australasian Biography. Melbourne, 1892.

Rusden (G. W.), The Discovery, Survey, and Settlement of Port Phillip. 8. London, 1872.

Smith (R. B.), The Aborigines of Victoria. 2 vols. 8. London.

Westgarth (Wm.), The Colony of Victoria: its History, Commerce, and Gold-mining; its Social and Political Institutions. 8. London, 1864.



## WESTERN AUSTRALIA.

### Constitution and Government.

Western Australia was the last of the colonies on the continent to obtain responsible government. In 1890 the administration, which had before been vested in the Governor, assisted by a Legislative Council, partly nominated and partly elective, was vested in the Governor, a Legislative Council and a Legislative Assembly. The Legislative Council was, in the first instance, nominated by the Governor, but it was provided that in the event of the population of the Colony reaching 60,000, it should be elective. On July 18, 1893, this limit of population was reached, and the Colonial Parliament soon afterwards passed an Act (47 Vict. No. 14) amending the constitution.

The Legislative Council now consists of 21 members representing 7 electoral provinces and holding their seats for six years. Members must be 30 years of age, resident in the Colony for two years, and either a natural-born subject of the Queen or naturalized for 5 years and resident in the Colony for 5 years. Every elector must have possessed for at least a year before being registered and within the province, freehold estate of the clear value of £100, or be a householder occupying a dwelling house of the annual value of £25, or holder of a lease, with 18 months to run, of the value of £25 per annum, or the holder of a lease or licence from the Crown of the annual rental of £10, or have his name on the electoral list of a municipality or Roads Board in respect of property in the province of the annual rateable value of £25. The Legislative Assembly consists of 33 members, each representing one electorate, and elected for 12 months. Members must be either natural-born subjects of the Queen or naturalized for 5 years and resident in the Colony for 2 years. Electors must be natural-born or naturalized subjects of the Queen and must have been resident in the district for 6 months, or have held freehold estate in the district of the clear value of £50 for 6 months, or be householders occupying a dwelling house of the annual value of £10, or holders of a lease with 18 months to run, or have held a lease for the preceding 18 months, of the annual value of £10, or have held for the preceding 6 months a lease or licence of Crown lands at an annual rental of £5, or have his name on the electoral list of a municipality or Roads Board in respect of property within the district. Members of the Legislature are not paid, but travel free on all Government railways. The entire management and control of the waste lands of the Crown in Western Australia is vested in the Legislature of the colony. Power is reserved to the Crown to divide the colony as may from time to time be thought fit.

*Governor.*—Sir William C. F. Robinson, K.C.M.G. ; entered the service 1855 ; President of Montserrat, 1862 ; administered the Government of Dominica, 1865 ; Governor of Falkland Islands, 1866 ; Governor Prince Edward Island, 1870 ; Governor-in-Chief Leeward Islands, 1874 ; Governor of Western Australia, 1874, and again 1880 ; Governor Straits Settlements, 1877 ; special mission to King of Siam, 1878 ; Governor South Australia, 1882 ; Acting Governor Victoria, 1889 ; again appointed Governor of Western Australia, 1890.

The Governor has a salary of 4,000*l.* per annum. He is assisted in his functions by a cabinet of responsible ministers, as follows :—

*Premier, Treasurer, and Colonial Secretary.*—Hon. Sir John Forrest, K.C.M.G. *Attorney-General.*—Hon. Septimus Burt, Q.C. *Commissioner of Lands.*—Hon. A. R. Richardson. *Minister of Public Works.*—Hon. H. W. Venn. *Minister for Mines and Education.*—Hon. E. H. Wittenrow.

### Area and Population.

As defined by Royal Commission, Western Australia includes all that portion of the continent situated to the westward of 129° E. longitude. The greatest length of this territory from Cape Londonderry in the north to Peak Head (south of King George's Sound) in the south is 1,450 miles, and its breadth from Steep Point near Dirk Hartog's Island, on the west, to the 129th meridian, on the east, about 850 miles. According to the latest computations, the total estimated area of the colony is 975,876 English square miles, including islands. It is divided into 20 districts.

Western Australia was first settled in 1829, and for many years the population was small. In 1850 the colony had not more than 6,000 inhabitants, but at the census of December 1859 the population had risen to 14,837—namely, 9,522 males and 5,315 females. On December 31, 1867, the population numbered 21,713, comprising 13,934 males and 7,779 females. At the census taken on March 31, 1870, the total population was 25,353, of whom 15,565 were males and 9,788 females. Included in these numbers were 1,790 male prisoners, either in prisons or at working depots in various parts of the colony.

At the census of 1881 the population of the colony was 29,708; and the results of the census of April 5, 1891, gave a total population of 49,782—29,807 males and 19,975 females. This shows an increase since 1881 of 20,074, or 67·5 per cent. being at the rate of 6·75 per cent. per annum. These figures do not include the aborigines, of whose numbers it is difficult to give even an approximate estimate, scattered as they are over an extensive territory, much of which is yet entirely unknown. There were 5,670 aborigines in service in the colony in 1891. Of the total population in 1891, 27,825 were returned as being natives of Western Australia, and 34,271 as being unmarried. Of the unmarried population, 21,577 were males and 12,694 females, while of the unmarried population over 21 years of age, 10,126 were males and 1,990 were females. Perth, the capital, had an estimated population of 12,424, in 1893; Fremantle, about 8,000. In 1893 there were 2,112 births and 945 deaths, giving a surplus of 1,167; there were 8,928 arrivals and 3,705 departures—excess of arrivals over departures 5,223. The total estimated population on December 31, 1893, was 65,064—41,014 males and 24,050 females. During 1893 there were 392 marriages in the colony.

### Religion.

The religious division of the population was as follows at the census of 1891:—

Religious Divisions	Number	Per cent.	Religious Divisions	Number	Per cent.
Church of Eng- land . . . . .	24,769	49·75	Independents . .	1,573	3·16
Roman Catholics	12,464	25·04	Presbyterians . .	1,996	4·01
Wesleyans . . . .	4,556	9·15	Other religions not specified . .	4,424	8·89

### Instruction.

Of the total white population above 15 years in 1891 13·20 per cent. could neither read nor write. Education is compulsory.

The following table shows the average cost per head and attendance in Government schools and in assisted schools in 1880, 1890 and 1893 :—

—	No. of Schools	No. of Scholars	Av. Attendance	Cost per Head
<i>Government Schools</i>				
1880	67	2,719	2,102	£ s. d. 3 7 11½
1890	82	3,352	2,535	3 7 11½
1893	106	4,280	3,088	3 8 8
<i>Assisted Schools</i>				
1880	19	1,327	1,006	1 11 7
1890	19	1,662	1,283	1 7 7½
1893	21	2,058	1,537	1 6 6½

The total sum paid in salaries to teachers and other school officials in 1893 was 12,639*l.*

### Justice and Crime.

The following table gives the number of offences, apprehensions, and convictions for four years :—

—	1890	1891	1892	1893
Offences reported to police . . . . .	5,122	5,615	6,225	7,115
Apprehended by police or summoned . . . . .	4,690	5,005	5,574	6,288
Summary convictions . . . . .	3,201	3,313	3,577	4,068
Convictions in superior courts . . . . .	41	43	58	60

On December 31, 1893, there were 126 convicts in the colony, 55 employed on the public works, 1 in a lunatic asylum, 43 ticket-of-leave holders in private service, 25 conditional release holders, and 2 invalids in hospital. The total number of persons committed to prison in 1893 was 1,455—1,313 men, 120 women, and 22 juveniles.

### Pauperism.

There are two poor-houses—both situated in Perth—supported by public funds, with 205 inmates on December 31, 1893. Thirteen hospitals and one lunatic asylum are also supported by public funds, and there are two Protestant and two Roman Catholic orphanages partly supported by private subscriptions and partly out of public money. There are also three native and half-caste institutions supported in a similar manner. There is a daily average (1893) of 495 paupers in the colony. The number of friendly societies in the colony is 25, and connected with them are about 2,400 persons.

### Finance.

The revenue and expenditure of the colony in 1880, 1885 and the last four years were as follows:—

Years	Revenue	Expenditure
	£	£
1880	180,049	204,337
1885	323,213	308,848
1890	414,313	401,737
1891	497,670	435,622
1892	543,889	550,616
1893	570,651	640,801

Rather less than half of the public income is derived from customs duties (259,495*l.* in 1893), and the rest mainly from railways, the Post Office and leases of lands. Western Australia had a public debt of 2,873,098*l.* at the end of 1893. The mean rate of interest is 3*l.* 19*s.* 7*d.* per cent. on the total Public Debt. The annual charge for the debt in 1893 was 114,368*l.* The sinking fund on December 31, 1893, amounted to 129,099*l.*

### Defence.

The volunteer infantry comprises one regiment, composed of six companies, and five country companies of rifles, all armed with the Martini-Henry rifles. There are also two divisions of a battery of artillery. One company of permanent artillery is established at the Albany forts. The annual expenditure on these fortifications is divided between the Australian colonies in proportion to the respective populations. The total number of officers is 42, and of men 817. There is a capitation grant of 1*l.* 10*s.* per efficient, and the total expenditure for defences for 1893 was 12,020*l.*

### Production and Industry.

The agricultural prosperity of the colony has greatly increased in recent years; still there were only 176,578 acres of land under cultivation at the end of 1893, out of a total of 624,560,640 acres. The live stock consisted, at the end of 1893, of 45,747 horses, 173,747 cattle, and 2,220,642 sheep. At the census of 1891, 8,746 persons were returned as directly engaged in agricultural pursuits—exclusive of their families; 6,380 persons were engaged in industrial pursuits.

At the close of 1893, of the cultivated area, 42,672 acres were under wheat, 3,603 under barley, 2,571 under oats, and 29,589 under hay. The total area alienated in the colony up to the end of 1893 was 5,868,631 acres, of which 363,422 acres were alienated during 1893. The average produce per acre was—wheat 12·2 bushels, barley 13·4 bushels, oats 18·5 bushels, maize (only 37 acres) 15·4 bushels, and hay 1·1 ton to the acre. There were in 1893 1,643 acres under vines, 684 acres being used for wine making, and yielding 113 gallons of wine to the acre; 543 acres are used for table purposes, and 416 acres are not yet bearing. There are gold, silver, copper, lead, tin, and

coal mines in the colony. Gold exported during 1893, 110,890 oz., valued at 421,385*l.* There are 221 establishments for manufactures.

Along the river-courses of the north and north-east of the colony are about 20,000,000 acres of fairly well-watered country, affording good pasturage.

**Commerce.**

The total value of the imports and exports, including bullion and specie, of Western Australia, in the last five years is -shown in the subjoined statement :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports . . .	818,127	874,447	1,280,093	1,391,109	1,494,438
Exports . . .	761,391	671,813	799,466	882,148	918,147

In 1893, of the total imports the value of 1,020,818*l.* was subject to duty, and 473,620*l.* duty free. The total imports from the United Kingdom amounted to 733,001*l.*, and exports to the United Kingdom 349,080*l.*

The values and quantities are furnished in the entries by importers and exporters, supported by invoices and declarations. The values are scrutinised by the statistical branch of the Customs at Fremantle, and corrected when evidently inconsistent with current rates. The countries of origin of imports and of destination of exports are those disclosed in the entries and in the corresponding invoices or shipping bills. The trade returns include all goods entered from and cleared to foreign countries or places outside the Colony. Of transit trade, however, no record has been instituted. The statistical results, though accurate as regards the trade of the Colony considered by itself, are not easily comparable with those of other Australian colonies. The prevailing diversity of system, and the want of a General Statistical Board provided with expert knowledge for the determination of values, render it impossible to reconcile with nicety the returns of one Colony with those of another.

The chief exports are :—Gold, value in 1890, 86,664*l.* ; in 1891, 115,182*l.* ; in 1892, 226,284*l.* ; in 1893, 421,385*l.* ; pearls, value in 1892, 40,000*l.* ; in 1893, 30,000*l.* ; pearl-shell, value in 1892, 79,259*l.* ; in 1893, 59,254*l.* ; sandal-wood, value in 1891, 37,600*l.* ; in 1892, 42,870*l.* ; in 1893, 32,160*l.* ; timber, value in 1892, 78,419*l.* ; in 1893, 32,888*l.* ; wool, value in 1891, 329,365*l.* ; in 1892, 326,703*l.* ; in 1893, 244,972*l.* ; skins, value in 1892, 36,657*l.* ; in 1893, 23,975*l.*

The value of the imports into the United Kingdom from Western Australia, and of the exports of domestic produce and manufactures from the United Kingdom to Western Australia, according to the Board of Trade returns, in each of the last five years was :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Western Australia . . .	394,504	530,591	367,552	249,965	263,489
Exports of British produce to W. A. . .	347,918	464,209	591,958	524,249	524,343

The imports into Great Britain from the colony consist mostly of wool, pearl shells, and timber. The value of the wool imports was 146,202*l.* in 1878, 233,345*l.* in 1885, 265,180*l.* in 1888, 309,587*l.* in 1889, 449,756*l.* in 1890, 282,791*l.* in 1891, 189,107*l.* in 1892, and 207,991*l.* in 1893. The quantity of wool imported into Great Britain in 1893 was 6,870,701 lbs. The chief exports from Great Britain to the colony in 1893 were iron, value 165,986*l.* ; apparel, 58,609*l.* ; beer and ale, 25,769*l.* ; cottons, 15,168*l.* ; machinery, 43,477*l.* ; leather, 22,141*l.*

### Shipping and Communications.

There were on the West Australian register on December 31, 1893, 9 steamers of (in all) 737 tons, and 148 sailing vessels of 5,162 tons; total, 157 vessels of 5,899 tons. In 1893, 293 vessels of 539,953 tons entered, and 288 of 531,465 tons cleared, the ports of the colony.

There were 1,184 miles of railway open for traffic at the end of 1894, and 393 miles under construction.

In 1893 there were 3,578 miles of telegraph poles within the colony, 4,303 miles of wire, and 375 miles under construction. From Albany the wire extends to South Australia, and from Roebuck Bay to Banjowangie by the alternative cable of the Eastern Extension Telegraph Cable Company. The number of stations is 60. The number of messages sent was 220,717, the gross charges amounted to 57,884*l.*, which includes the Post Office expenditure, and the net revenue to 16,290*l.* 8*s.* 6*d.*

In 1893 there passed through the Post Office 7,002,913 letters and post-cards, exclusive of 145,701 registered letters, 6,001,946 newspapers, and 1,401,146 packets.

### Money and Credit.

There are five banks in Western Australia besides the Post Office Savings Bank. The following statement relates to the quarter ended June 30, 1894:—

Banks	Capital paid up	Notes in Circulation	Deposits	Total Average Liabilities	Total Average Assets	Reserved Profits
	£	£	£	£	£	£
Western Australian Bank .	80,000	49,171	567,670	627,497	829,612	120,277
National Bank of Australasia	1,634,540	18,695	359,123	379,964	967,663	104,780
Union Bank of Australia . .	1,500,000	45,335	472,477	525,185	624,337	1,075,612
Bank of New South Wales .	1,751,640	16,793	80,358	97,189	198,913	1,118,375
Commercial Bank of Australia, Ltd. .	3,581,159	10,096	66,310	77,297	211,529	—
Total of average	8,547,339	140,090	1,545,938	1,707,132	2,832,054	2,419,044

*Government Savings Bank.*—During the half year ended 30th June, 1893, deposits of the value of 39,212*l.* were made, and interest 1,161*l.* was allowed. The amount withdrawn during the half year was 27,436*l.*, leaving a balance of 74,926*l.* on deposit on 30th June, 1893.

*Agent-General in London.*—Sir Malcolm Fraser, K. C. M. G.

*Secretary.*—R. C. Hare.

### Books of Reference.

- Annual Year-Book. Annual Blue Book.  
 Census of the Colony of Western Australia, taken on the 5th April, 1891. Fol. Perth.  
*Calvert* (A. F.), *Western Australia: Its History and Progress.* 8. London, 1894.  
*Western Australia and its Gold Fields,* 8, London, 1893.  
*Farenc* (Ernest), *Western Australia: its Past History, Present Trade and Resources, and its Future Position in the Australasian Group.* Sydney, 1887.  
*Hart* (F.), *Western Australia in 1893,* 8, London, 1894.  
*Mennell* (P.), *The Coming Colony.* 2nd. ed. 8. London, 1894.  
*Tiele* (C. P.), *Western Australia according to the most recent discoveries. An address [Translation].* 8. London, 1894.  
 Year-Book of Western Australia. Perth, 1894.

### Australian Defence.

Sydney is a first-class naval station, the head-quarters of the British fleet in Australasia. In 1895 there are 14 imperial war vessels on the station. By the "Australasian Naval Force Act," which was assented to on December 20, 1887, a fleet of five fast cruisers, each of 2,575 tons displacement and 7,500 horse-power, and two torpedo gunboats on the most improved modern build, each of 735 tons and 4,500 horse-power, are to be equipped for the Australian seas. An agreement which has been entered into for a period of ten years, afterwards terminable by two years' notice, provides that the vessels shall be built by the British Government, and that those of the Australian colonies who are parties to the agreement shall pay interest at the rate of 5 per cent. on the original cost, and all costs of maintenance. Upon the termination of the agreement the vessels will remain the property of the British Government. These vessels—the cruisers *Katoomba*, *Tauranga*, *Ringarooma*, *Mildura*, and *Wallaroo*, and the torpedo-gunboats *Boomerang* and *Karakatta*—are attached to the Australian Squadron. Under the agreement with the colonies they are not to be removed from the station in case of war. According to a Parliamentary return of August 14, 1893, the expenditure of the contributing colonies upon sea-going force was as follows:—New South Wales (1890), 11,419*l.*; Victoria (1890–91), 45,287*l.*; Queensland (1890–91), 15,519*l.*; South Australia (1890–91), 13,514*l.* The imperial expenditure upon additional naval force for service in Australasian waters is 93,300*l.*, the appropriations in aid are 35,000*l.*, and the total numbers 60,300. (Naval Estimates, 1894–95.)

### Australasian Federation.

The question of the Federation of the Australian Colonies is by no means new. Among the proposals made when the scheme for granting responsible government to Australia was originally discussed, about the year 1852, was one for the establishment of a General Assembly to make laws in relation to intercolonial questions. The proposition was, however, involved with others of a more doubtful nature, and consequently sank out of sight, until in various ways, especially in regard to postal matters and defence, the benefits of united action among the Colonies of the Australasian group became more apparent. Some years ago, as the result of an Intercolonial Conference, the matter came before the Imperial Parliament, and a measure was passed permitting the formation of a Federal Council, to which any Colony could send delegates. The first meeting of the Federal Council was held at Hobart, in January, 1886. The Colonies represented were Victoria, Queensland, Tasmania, Western Australia, and Fiji. South Australia sent representatives to a subsequent meeting. The Federal Council has met five times in all, and discussed matters of intercolonial interest; but as it is purely a deliberative body, without authority to legislate, it has failed to satisfy

the advocates of Federation as an active political principle. In February, 1890, a Conference, consisting of representatives of each of the seven Colonies of Australasia, was held in Melbourne. An address to the Queen was adopted expressing loyalty and attachment, and inclosing resolutions, which affirmed the desirableness of union of the Australasian Colonies, and prayed that steps should be taken towards the appointment of delegates from each of the Colonies to a National Australasian Convention, empowered to consider and report upon an adequate scheme for a Federal Constitution. On March 2, 1891, the National Australasian Convention met at Sydney, New South Wales, and was attended by seven representatives from each Colony, except New Zealand, which only sent three. A series of resolutions, moved by Sir Henry Parkes, occupied the attention of the Convention for several days. These resolutions set forth the principles upon which Federal Government should be established, and went on to approve of a Federal Constitution with a Federal Parliament to consist of a Senate and a House of Representatives, a Federal Judiciary, and a Federal Executive. These resolutions were discussed at great length, and eventually were adopted. A draft Bill, to constitute the 'Commonwealth of Australia,' was adopted by the Convention, and it was agreed that the Bill should be presented to each of the Australian Parliaments for approval and adoption. This Bill was introduced into the Parliaments of most of the colonies of the group, and in Victoria it passed the Lower House with some amendments.

In January and February, 1895, a conference of the Premiers of the five Australian Colonies was held at Hobart, when a series of resolutions was adopted urging the importance of federation, and requiring that a Convention of Representatives, chosen directly by the electors of each colony, should draft a Constitution to be submitted to the electors directly; and that if such Constitution should be accepted, the necessary steps be taken to secure its legislative enactment.

## Statistical and other Books of Reference concerning Australasia generally.

### 1. OFFICIAL PUBLICATIONS.

Each of the colonies publishes an Annual Blue Book and Statistical Register, containing Annual Reports of the various administrative, industrial, criminal, educational, and other departments.

Australasia: Despatch on the subject of a Draft Bill to constitute a Federal Council of Australasia. London, 1884.

Australasian Statistics, published annually, with Report, by H. H. Hayter, C.M.G., Government Statist of Victoria. Melbourne.

Australasian Statistics, published annually, by T. A. Coghlan, A.M. Inst. C.E., Government Statistician of New South Wales. Sydney.

Colonial Office List. Published annually. London.

Federal Council of Australasia, Session 1886. Official Record of Debates. Hobart, 1886.

Statistical Abstract for the several Colonial and other Possessions of the United Kingdom. Annual. London.

Official Record of the Proceedings and Debates of the National Australasian Convention held in the Parliament House, Sydney, New South Wales, March and April, 1891. London, 1891.

The Seven Colonies of Australasia, by T. A. Coghlan, Government Statistician of New South Wales. Published annually since 1886. Sydney.

The Year-Book of Australia, 1895. Edited by the Hon. Edward Greville. Published annually. London. Kegan Paul, Trench, Trübner & Co., Limited.

Annual Statement of the Trade and Navigation of the United Kingdom with Foreign Countries and British Possessions. Imp. 4. Annual. London.



## 2. NON-OFFICIAL PUBLICATIONS.

- Bates* (H. W.) and *Eden* (C. H.), Colonel Warburton's Journey across Australia. 8. London, 1875.
- Blair's* Cyclopædia of Australasia. Melbourne, 1881.
- Calvert* (A. F.), The Discovery of Australia. London, 1893.
- Chalmers* (R.), A History of Currency in the British Colonies. London, 1893.
- Cotton* (J. S.) and *Payne* (E. J.), Colonies and Dependencies, in 'English Citizen Series.' London, 1883.
- Curr* (E. M.), The Australian Race. Melbourne, 1887.
- Demarr* (J.), Adventures in Australia Fifty Years Ago (1839-44). 8. London, 1893.
- Dilke* (Sir Charles Wentworth, Bart., M.P.), Greater Britain: a Record of Travel in English-Speaking Countries in 1866 and 1867. New edit. 8. London, 1885.
- Dilke* (Sir C. W.), Problems of Greater Britain. 2 vols. London, 1890.
- Epps* (W.), The Land Systems of Australia. 8. London, 1894.
- Favenc* (Ernest), The History of Australian Exploration. Sydney, 1888.
- Finch-Hatton* (Hon. H.), Advance, Australia: an Account of Eight Years' Work, Wandering, and Amusement in Queensland, New South Wales, and Victoria. London, 1885.
- Forrest* (John), Explorations in Australia. 8. London, 1875.
- Froude* (J. A.), Oceana; or, England and her Colonies. London, 1886.
- Giles* (E.), Australia Twice Traversed. 2 vols. London, 1890.
- Gordon & Gotch's* Australian Handbook for 1889. Melbourne and London, 1888.
- Hardman* (Wm.), John M'Donall Stuart's Journals of Explorations in Australia from 1858 to 1862. 8. London, 1866.
- Inglis* (James), Our Australian Cousins. 8. London, 1880.
- Kent* (W. Saville), The Great Barrier Reef of Australia. 4. London, 1893.
- Reclus* (E.), Géographie Universelle. Vol. XIV. Paris, 1889.
- Rusden* (G. W.), The History of Australia. 3 vols. London, 1883.
- Silver* (S. W.), Handbook for Australia and New Zealand. 5th edit. London, 1888.
- Todd* (A.), Parliamentary Government in the British Colonies. 8. London, 1880.
- Topinard* (Dr. P.), Étude sur les races indigènes de l'Australie. Instructions présentées à la Société d'Anthropologie. 8. Paris, 1872.
- Tregarthen* (G.), Australian Commonwealth. [In 'Story of the Nations' Series.] 8. London, 1893.
- Trollope* (Anthony), Australasia and New Zealand. 8. London, 1873. New edit. 1875.
- Wallace* (A. R.), Australia. 6th edit. 8. London, 1893.
- Westgarth* (William), Half a Century of Australian Progress. London, 1889.
- Woods* (Rev. J. E. Tenison), History of the Discovery and Exploration of Australia. 2 vols. 8. London, 1866.

## PACIFIC ISLANDS.

Lying all round Australia and New Zealand are many small island groups, islets, and reefs which may be regarded as integral parts of these colonies. Others at a considerable distance to the south are unattached and mostly uninhabited. Among them, south from Australia and New Zealand, are Royal Company Island, Macquarie Island, Emerald Island, Campbell Island, Antipodes, and Bounty Islands.

Scattered over the Pacific are many small groups and isolated islets, many of which have been annexed to Great Britain or placed under British protection. The principal of them are the following, beginning at the east, south of the equator:—

**DIUCIE ISLAND**, 24° 40' S. lat., 124° 48' W. long.

**COOK'S, or HERVEY ISLANDS**, between 18° and 22° S. lat., 157° and 163° W. long. There are six islands and about nine islets and reefs. The largest, Raratonga, is 53 miles in circumference, with a population of 3,000. Mangaia has 2,000 inhabitants; Vatui, or Atui, 20 miles in circumference, 1,200 inhabitants; Hervey Islands, three small islets. Aitutaki, 18 miles in circumference, 2,000 inhabitants. Palmerston Islands, group of islets. Other islets are Takutea, Mitiero, and Mauki.

SAVAGE, or NIUE ISLAND, 21° S. lat., 171° W. long. MANIHIKI GROUP, including Reirson or Rakoango, Manihiki or Humphry, Penrhyn or Tongarewa, Vostok and Flint Islands, lying around 10° S. lat. and between 150° and 160° W. long. SUVAROF ISLANDS, 13° 14' S. lat., 163° W. long. DUDOZA ISLAND, 7° 40' S. lat., 161° W. long. UNION, or TOKELAU GROUP, between 8° 30' and 11° S. lat., and 171° and 172° W. long. Three clusters of islets, the principal of which are Fakafo or Bowditch, Nukunono or Duke of Clarence, Oatafu or Duke of York. PHŒNIX GROUP, between 2° 30' and 4° 30' S. lat., and 171° and 174° 30' W. long. Eight islands: Mary, Enderbury, Phœnix, Birney, Gardner, McKean, Hall, Sydney. MALDEN ISLAND, 4° S. lat., 155° W. long. STARBUCK ISLAND, 5° 30' S. lat., 155° W. long. PENRHYN, or TONGAREWA ISLAND, 9° S. lat., 158° W. long. CAROLINE ISLAND, 10° S. lat., 150° 30' W. long. LAGOON, or ELLICE ISLANDS, between 5° 30' and 11° 20' S. lat., and 176° and 180° E. long. Nine islands and islet groups. The principal are Sophia or Rocky Island, Nukulaelae or Mitchell Group, Ellice, Nukufetau, Vaitupu, Netherland, Lynx. CHRISTMAS ISLAND, 1° 57' N. lat., 157° 27' W. long. FANNING ISLAND, 3° 50' N. lat., 159° W. long. WASHINGTON ISLAND, 4° 40' N. lat., 160° 20' W. long. JARVIS ISLAND, on the equator, 159° W. long. GILBERT ISLANDS, on the equator, between 172° and 177° E. long. Annexed 1892. Area 170 square miles; population 36,800. Consist of 16 atolls.

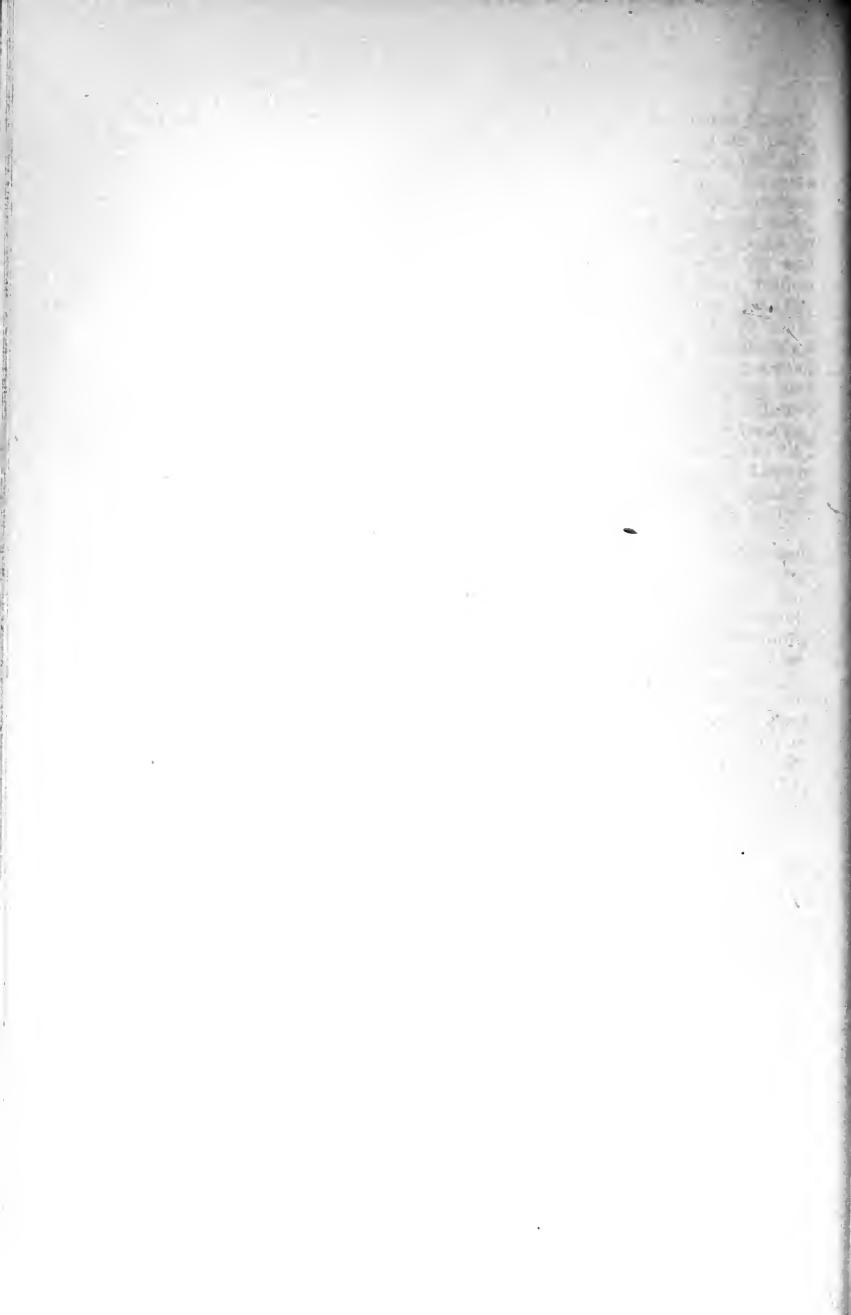
These islands are mostly of coral formation; many of them are uninhabited, or only temporarily inhabited; most of them grow coco-nut trees in large quantities, and some of them are valuable for their guano. They are of importance as being stages in the proposed telegraph route from British Columbia to Australia and New Zealand, and also as coaling stations for steamers along that route, and between the Isthmus of Panama and Australia and Eastern Asia.

The High Commissioner of the Western Pacific, assisted by deputies, has jurisdiction, in accordance with an Order in Council of 1893, for the purpose of carrying out the provisions of the Pacific Islanders' Protection Acts of 1872 and 1875, and to settle disputes between British subjects living in these islands. The jurisdiction of the High Commissioner extends over all the Western Pacific not within the limits of Fiji, Queensland, or New South Wales, or the jurisdiction of any civilised Power, and includes the Southern Solomon Islands (brought within the British Protectorate June, 1893), New Hebrides, Samoa Islands, Tonga Islands, and the various small groups in Melanesia.

- Cooper* (H. S.), *The Islands of the Pacific*. 8. London, 1888.  
*Coote* (W.), *Western Pacific Islands*. 8. London, 1883.  
*Ellis* (W.), *Polynesian Researches*. 4 vols. 12. London, 1853.  
*Fornander* (A.), *An Account of the Polynesian Race*. 3 vols. 8. London, 1878.  
*Guppy* (H. B.), *The Solomon Islands, their Geology, &c.* 8. London, 1887. *The Solomon Islands and their Natives*. 8. London, 1887.  
*Moss* (F. J.), *Through Atolls and Islands*. 8. London, 1889.  
*Penny* (A.), *Ten Years in Melanesia*. 12. London, 1887.  
*Powell* (B. F. S. B.), *In Savage Isles and Settled Lands*. 8. London, 1892.  
*Reclus* (E.), *Nouvelle Géographie Universelle*. Vol. xiv. 8. Paris, 1889.  
*Romilly* (H. H.), *The Western Pacific and New Guinea*. 2nd ed. 8. London, 1887.  
*St. Johnston* (A.), *Camping among Cannibals*. 8. London, 1893.  
*Thomson* (B.), *South Sea Yarns*. 8. London, 1894.  
*Wallace* (A. R.), *Australasia*. 8. London.  
*Wawn* (W. T.), *The South Sea Islanders and the Queensland Labour Trade*. 8. London, 1889.  
*Woodford* (C. M.), *A Naturalist among the Headhunters (Solomon Islands)*. 8. London, 1890.

PART THE SECOND

FOREIGN COUNTRIES



## AFGHANISTAN.

AFGHANISTÁN is a country of Asia lying between parallels  $30^{\circ}$  and  $38^{\circ} 20'$  of north latitude, and  $60^{\circ} 30'$  and  $74^{\circ} 30'$  of east longitude. On the north-east, the boundary is uncertain; but from about longitude  $70^{\circ}$  westward to Khamiab the Oxus is the northern limit. From Khamiab, the line, as drawn by the Afghán Boundary Commission, runs in a south-westerly direction to Zulfikar, on the river Harí-Rúd, and thence south to Kuh Malik-i-Siyah, a conspicuous peak south-east of the Helmand river. Here the boundary turns round and runs generally eastwardly to the Kwája Amran range. The eastern boundary of Afghánistán has long remained uncertain, but the basis of a delimitation was settled, in 1893, at a conference between the Ameer, Abdur Rahmán, and Sir Mortimer Durand. The Ameer agreed that Chitral, Bajaur, Swat and Chilas should be included within the British sphere of political influence, while he himself was to retain the Kunar valley as far north as Asmar. The Ameer also withdrew his pretensions over Waziristán. The extreme breadth of Afghánistán from north to south is about 500 miles; its length from the Herát frontier to the Kháibar Pass, about 600 miles. The surrounding countries are, on the north, the Central Asian States, under the influence of Russia; on the west, Persia; on the south, British Balúchistán; and on the east, the mountain tribes scattered along the north-western frontier of India.

Abdur Rahmán Khán, G.C.B., G.C.S.I., the reigning Amír, is son of Afzul Khán, and grandson of Dost Muhammad Khán. He was recognized as Amír by the British Government in July 1880, after the events following on the massacre of Sir L. Cavagnari.

The origin of the Afgháns is involved in obscurity. The Pathán dynasties of Delhi form part of Indian history. The whole of Afghánistán was conquered by Timúr, Kábul remaining in the hands of his descendants, and Kandahár being added to it by Sultán Bábar in 1522. For the next two centuries Kábul was held by the Mughal Emperors of Delhi, and Herát by Persia, while Kandahár repeatedly changed hands between the two. Nadír Sháh, the Persian, held the Afghán provinces till his assassination in 1747, after which the different provinces were formed into a single empire under Ahmad Sháh, Duráni, including the Punjab and Kashmir on the east, and extending to the Oxus on the north. The restoration of Sháh Shujá by the British forces under Sir John Keane in 1838 led to continued insurrections against the new ruler, culminating in the terrible revolt of 1841. In 1878 war was declared by England, and her troops eventually captured Kábul. Sher Alí fled and died in Afghán Túrquistán, his son Yakúb Khán being acknowledged as Amír, while a British envoy and escort was installed in the citadel of Kábul. On September 3, 1879, a serious riot developed into a massacre of the envoy and his followers, and a fresh invasion of the country took place. In 1880 the British forces were withdrawn from the Kháibar and the Kúram, and from Kandahár to Quetta. Abdur Rahmán has since successfully maintained his position.

The government of Afghánistán is monarchical under one hereditary prince, whose power varies with his own character and fortune. The dominions are politically divided into the four provinces of Kábul, Túrquistán, Herát, and Kandahár, to which may be added the district of Badakhshán with its

dependencies. Each province is under a *hakim* or governor (called *Naib* in Sher Ali's time), under whom nobles dispense justice after a feudal fashion. Spoilation, exaction, and embezzlement are almost universal.

The Amír's subjects number about four millions, the most numerous tribe being the Ghilzáis, who must amount to at least a million; then follow the Tájiks, Duránis, Hazáras, and Aimáks, and Uzbegs. The Tájiks, who are found scattered all over the country, are presumably of Arab or Irani descent, and though they are found intermingled with Afgháns, they are more settled, and prefer agricultural or industrial occupations. The Ghilzáis occupy the country south-east of Kábul, while the Duránis inhabit the country north and south of the road between Herát and Kandahár; north of these lie the Paropamisus Mountains, inhabited by the Aimáks and Hazáras, who are said to be the descendants of Tartar colonies left by Ghinghis Khán, and who have undoubted Tartar lineaments. With the exception of the Kizilbáshis and most of the Hazáras, who are mainly Shiás, the inhabitants are Muhammadans of the Suní sect.

Justice in ordinary cases is supposed to be administered by a *kázi*, or chief magistrate, assisted by *muftís*, or *mutaassibs* (the latter a species of detective officers), and regulated by laws, which, if rightly acted on, would be tolerably equitable.

The revenue of Afghánistán is subject to considerable fluctuations. One of the late Amír Sher Ali's ministers estimated the average annual revenue of the five years 1872-76 at 712,968*l.*, but subsequent events have made it impossible to estimate the present revenues. The Government share of the produce recoverable is said to vary from one-third to one-tenth, according to the advantages of irrigation. The Amír receives a subsidy from the Indian Government, originally fixed at Rx. 120,000, and in 1893 increased to Rx. 180,000 a year.

Abdur Rahmán is said to have re-introduced the regular army, which had been originally founded on a European model by Sher Ali on his return from India in 1869. In addition to his regular army the Amír's military forces are largely supplemented by local levies of horse and foot. The mounted levies are simply the retainers of great chiefs, or of the latter's wealthier vassals. The foot levies are now, under Abdur Rahmán, permanently embodied, and as irregulars form a valuable auxiliary to the regular infantry. The artillery branch is very weak, as there are few trained gunners, the force being made up by infantry drafts when required. There are no engineers, but a few regiments have a company equipped with spades and axes. No trustworthy statistics regarding the strength of the Afghán army are available. It was said at the beginning of 1890 to number 50,000. In July 1890, there were said to be 20,000 troops in and about Kábul, including six mule batteries of artillery, two field batteries, an elephant battery, 40 squadrons of cavalry, and 8,000 infantry. Ammunition is manufactured at the Kábul arsenal, under the superintendence of Englishmen in the Amír's service. According to Russian reports, the troops in Afghán-Túrkistán comprised, in 1887, 7,700 regular infantry with 76 guns, besides cavalry and irregulars.

There are five classes of cultivators—1st, proprietors, who cultivate their own land; 2nd, tenants, who hire it for a rent in money or for a fixed proportion of the produce; 3rd, *buzgurs*, who are the same as the *métayers* in France; 4th, hired labourers; and, 5th, villeins, who cultivate their lord's land without wages—*i.e.* slaves. There are two harvests in the year in most parts of Afghánistán. One of these is sown in the end of autumn and reaped in summer, and consists of wheat, barley, *Errum Lens*, and *Cicer arietinum*, with some peas and beans. The other harvest is sown in the

end of spring and reaped in autumn. It consists of rice, millet, arzun (*Panicum italicum*), Indian corn, &c. The castor-oil plant, madder, and the assafetida plant abound. Vast quantities of assafetida are exported to India.

The fruits, viz. the apple, pear, almond, peach, quince, apricot, plum, cherry, pomegranate, grape, fig, mulberry, are produced in profuse abundance. They form the principal food of a large class of the people throughout the year, both in the fresh and preserved state, and in the latter condition are exported in great quantities.

Northern Afghánistán is reputed to be tolerably rich in copper, and lead is found in many parts. Iron of excellent quality comes from Bajaur and the Farmáli district, and gold in small quantities is brought from Kandahár, the Laghmán Hills, and Kúnar. Badakshán was famous for its precious stones.

The production of silks and the manufacture of felts, *postíns*, carpets, and rosaries are some of the principal industries. Silk is largely produced at Kandahár, as well as felts, which are distributed throughout the country, and exported to the Punjab and Persia. The sheepskin *postín* manufacture is one of the most important industries.

The trade routes of Afghánistán are as follows :—

From Persia by Mashad to Herát.

„ Bokhára by Merv to Herát.

„ „ by Karchi, Balkh, and Khulm to Kábul.

„ East Túrkiistán by Chitrál to Jalálábád.

„ India by the Kháibar and Abkhana roads to Kábul.

„ „ by the Gumál Pass to Ghazní.

„ „ by the Bolan Pass and Sind-Pishín Railway to Kandahár.

### Trade.

No accurate registration of the trade between Afghánistán and India has yet been obtained. Of the trade carried by the Sind-Pishín Railway, amounting in value to Rx. 2,500,000 in 1889-90, probably only one-sixth can be classed as imports and exports between the two countries. The trade between Northern Afghánistán (Kábul) and India, during the past five years ending March 31, has been registered as follows :—

—	1890. Rx.	1891. Rx.	1892. Rx.	1893. Rx.	1894. Rx.
Imports from India . . .	796,500	459,870	653,639	610,500	405,200
Exports to India . . .	332,200	208,600	218,120	220,850	188,800

Of the above imports, the chief items are cotton goods, indigo, sugar, and tea, mostly the China leaf. The exports include horses, spices, assafetida, fruits, and nuts. The heavy transit duties levied by the Amír prohibit transit trade between India and the country north of the Oxus. A duty of 106 rupees is levied on every camel load (about 450lbs.) of Indian tea passing through Kábul to Bokhára.

The trade between Kandahár and British India amounted in 1893-94 to Rx. 328,200 imports from, and Rx. 335,800 exports to British India. Three-fifths of the imports consist of cotton piece goods, foreign and Indian. The imports of foreign are double the imports of Indian piece goods. Half the exports consist of raw wool, the other half being mainly fruit and nuts.

The value of the trade between Russian Central Asia and Afghánistán is

indeterminable, but it is stated that in 1890, 3,944,568 roubles' worth of Russian merchandise was imported into Afghánistán from Bokhára ; while the exports to Bokhára were valued at 3,983,270 roubles.

The rupee appears to be the usual currency, though Government demands are often paid in kind.

The Ameer's mint at Cabul is now under the supervision of an Englishman. According to official reports, the smallest silver coin yet struck has been the "kran," of the value of half the "Kabul" rupee, but in future there will be a smaller coin, equivalent to the threepence. In addition to these pieces, there will be a gold piece of the same value as the sovereign, and new silver pieces equal to the crown and half-crown respectively. Besides the small copper "pice" at present coined, of which 72 are reckoned as equal to one "Kabuli" rupee, a large bronze coin will be struck of the size of a crown, and of the nominal value of about 5*d.*

The Kháibar and Bolan roads are excellent, and fit for wheeled traffic as far as Kábul and Kandahár respectively. There is, however, no wheeled carriage, except artillery, proper to the country, and merchandise is transported on camel or pony back. There are practically no navigable rivers in Afghánistán, and timber is the only article of commerce conveyed by water, floated down stream in rafts.

### Books of Reference.

- Bellew, Afghánistán and the Afgháns, London, 1879; and The Races of Afghánistán, 1880.  
 Burnes, Cabool. 1843.  
 Kaye, History of the War in Afghánistán. 4th edition. 1878.  
 Malleson, History of Afghánistán. 2nd edition. 1879.  
 Hensman, The Afghán War of 1879-80. London, 1881.  
 Major C. E. Yate, Northern Afghánistán. London, 1888.  
 Oliver, Across the Border, or Pathán and Bilúch. London, 1890.  
 MacGregor (Sir C. M.) and Lockhart (Sir W.), Gazetteer of Afghánistán. Calcutta, 1882.  
 Parliamentary Papers, Afghánistán, 1873-1887.



## AFRICA, CENTRAL: INDEPENDENT STATES.

THERE still remain certain quasi-independent States in Central Africa about which it may be useful to give here such information as is obtainable with respect to their political, religious, industrial, and commercial condition. These are the CENTRAL SUDAN STATES—Bornu and Wadai (on which Kanem and Bagirmi are dependent); DAHOMEY, in the Gold Coast interior; although as a matter of fact Bornu may be regarded as within the British sphere, and Dahomey, if not Wadai, within the French sphere; under this head may also be included the old Egyptian Sudan. In 1890, Uganda, Unyoro, the northern half of Ruanda, and a small part of Karagwe, were included in the sphere of the Imperial British East African Company; while the south half of Ruanda and the rest of Karagwe were included in the German East African Protectorate. In 1891 Lunda (the Muata Yauvo's Kingdom) was divided between Portugal and the Congo Free State. The region lying between the eastern boundary of the French sphere in the Sahara, the western limits of Egypt, the country of Fezzan in the north, and the Central Sudan in the south, is still unannexed. It contains the mountainous inhabited region of Tibesti.

### CENTRAL SUDAN STATES.<sup>1</sup>

#### BORNU.

Bornu, that is, Bar-*noa*, or 'Land of Noah,' if not the largest, is the most populous Mohammedan State in Central Sudan. It occupies the western and southern sides of Lake Chad, being continuous on the south-east with Bagirmi, from which it is separated by the Shari River, and stretching thence westwards to the Empire of Sokoto. Approximate area, 50,000 square miles; population estimated at over 5,000,000. The bulk of the inhabitants, who call themselves *Ka-nuri*, that is, 'People of Light,' are of mixed Negro and Dasa (southern *Tibu*) descent, and speak a *Tibu* dialect that has been reduced to written form by the Protestant missionaries. The other chief elements of the population are the *Tuareg* Berbers in the north; the Arabs mainly in the south-east; the *Makari* and *Marghi* Negroes in the south; the *Wanga*, *Bedde*, and other pagan tribes in the east; and in the centre the *Magomi*, who claim kinship with the royal dynasty which for many centuries ruled over the united Bornu and Kanem States. These and the *Kanuri* are regarded as the most cultured people in Central Africa, and their woven fabrics, pottery, and metal ware are highly prized throughout the Sudan.

The Sultan, whose official title is *Mai*, but who is more commonly spoken of as the *Sheikh*, is in principle an absolute monarch. He is assisted in the

<sup>1</sup> For Sokoto, see NIGER TERRITORIES, under the British Empire.

administration by a Council comprising the Kokenawa, or military chiefs, the official delegates of the various subject races, and several members of the reigning family. The standing army of about 30,000 men is partly armed with rifles, and the cavalry still wear armour, either imported from Eastern Sudan or manufactured in the country. There is also some artillery, and a few companies even wear European uniforms. In lieu of pay the men receive allotments of land.

Kuka (Kukawa), capital of Bornu, lies on the west side of Lake Chad. It has a population of from 50,000 to 60,000, and is one of the great centres of trade in the Sudan. Wares of all kinds reach this mart from Europe, Egypt, and Turkey, chiefly by the caravan route from Tripoli and Fezzan, the shortest crossing the Sahara. By the same route are sent northwards convoys of 1,000, 2,000, and even 4,000 slaves, besides ivory, ostrich feathers, and other local produce. The legal currency are the Maria Theresa crown, the Spanish douró, and cowries, at the rate of 4,000 to the crown.

Besides Kuka, there are several other towns with over 10,000 inhabitants, such as Birni, Bundi, Gummel, Mashena, Borsari, Surrikolo, Logon-Karnah, capital of the Logon territory, and Doloo, capital of the tributary Mandara State. The coast lands continue to be exposed to the incursions of the Kuri and Yedina pirates, who inhabit the archipelagoes in Lake Chad.

By the Anglo-French agreement of 1890 and the Anglo-German agreement of 1893, Bornu is excluded from the sphere of France and Germany.

#### WADAI—KANEM—BAGIRMI.

The Sultanate of Wadai, at present the most powerful State in Central Sudan, occupies with the tributary States the whole region between Dar-Fur and Lake Chad, and extends from the southern verge of the Sahara southwards nearly to the divide between the Chad and Congo basins. Total area, including Wadai and Bagirmi, nearly 172,000 square miles; population estimated by Nachtigal at 2,600,000. The Arabs, here collectively called Aramka, have been settled in the country for over 500 years. Their traders (Jellaba) send caravans south to Dar-Banda and Bagirmi, and west to Bornu, bartering salt and manufactured goods for ivory, slaves, ostrich feathers, and copper. But the political power belongs to the Mohammedan Mabas, a Negro people who occupy the north-eastern parts of Wadai proper, and whose language forms the chief medium of intercourse throughout the State. Like the Arabs, the Mabas, who have lately joined the Senusiya 'revivalists,' are fanatical followers of the Prophet.

The Maba Sultan Sheikh Aly, whose capital was removed in 1850 from Wara to Abeshr (Abeshéh), 24 miles further north, has absolute power, limited by custom and the precepts of the Koran. But he rules directly only over the north-east of Wadai proper, which is divided into provinces named from the cardinal points and administered by Kamakels (viceroys), who have the power of life and death. The Sultan himself is assisted by a Fasher or Council, while the law, that is, the Koran, is interpreted by the College of Fakihs or Ulemas. The army, about 7,000 strong, is chiefly employed in levying tribute in kind (slaves, horses, cattle, honey, corn) from the provinces and vassal States.

Of these vassal States, the most important are Kanem, between Wadai and Lake Chad, and Bagirmi on the south-western frontier. Kanem, which is about 30,000 square miles in extent, occupies the eastern and northern shores of Lake Chad, and stretches north to the verge of the Sahara. Population about 100,000, chiefly Kanem-hu—that is, people of Kanem, akin to the Dasas (southern Tibus), and held in subjection by the Aulad-Slimân Arabs. Although they can now muster no more than 1,000 armed men, the Aulad-

Slimân are perhaps the fiercest marauders in the whole of North Africa. Mao, residence of the political agent of Wadai, lies in the centre of Kanem, about a day's march south-east of Njimi, the capital of the State.

The Sultanate of Bagirmi, comprising the low-lying marshy region between Lake Chad, the Lower Shari river, and the Sokoro hills west of Lake Fitri, has an area of about 20,000 square miles, or 71,000 including the southern lands inhabited by tributary pagan peoples, or to which slave-hunting expeditions are regularly sent. The Barmaghé, as the natives of Bagirmi call themselves, are all Mohammedan Negroes, who numbered 1,500,000 about the middle of the century. Since then they have been greatly reduced by the wars with Wadai, famines, and epidemics. Since 1871 the Sultan, who resides at Massenia (Masseña), near the left bank of the Lower Shari, has acknowledged the suzerainty of the ruler of Wadai, from whom he receives his investiture. Over his own subjects his power is absolute, the administration being carried on chiefly by bands of eunuchs and other officials, who levy the taxes and plunder the people with impunity. Organised slave-hunting razzias are also periodically sent to the southern regions of the Upper Shari basin, occupied by the Kimre, Sokoro, and many other pagan tribes.

By the Franco-German Agreement of February, 1895, the region to the east of the Shari, which includes Bagirmi, is reserved to the French sphere of influence.

#### REFERENCES.

- Barth* (H.), Travels and Discoveries in North and Central Africa. In "Minerva Library." 8. London, 1890.  
*Keltie* (J. Scott), The Partition of Africa. London, 1893.  
*Nachtigal* (Gustav), Sahara und Sudan. Vol. II. 2 vols. 8. Berlin, 1879-81.  
*Reclus*, Universal Geography. Vol. XII.  
*White* (A. Silva), The Development of Africa. London, 1890.

## EGYPTIAN SUDAN.

Before the revolt of the Mahdi in 1882, the Khedival possessions beyond Egypt proper comprised the whole of East Sudan and Nubia between Wadai on the west and the Red Sea on the east (23°-40° E.), together with the north-west section of Somaliland and the coast lands between Abyssinia and the Gulf of Aden. This territory extended from the frontier of Upper Egypt for a distance of nearly 1,400 miles southwards to Lake Albert Nyanza (3°-23° N.), and had a total area of nearly 1,000,000 square miles, with a population roughly estimated at from ten to twelve millions. It included the geographical regions of *Darfur*, on the Wadai frontier, reduced by Ziber Pasha in 1874; *Kordofan*, between Darfur and the Upper Nile, reduced by Mehemet Ali in 1821; *Lower Nubia*, which had always been politically dependent on Egypt; *Upper Nubia* with *Sennar*, reduced by Ismail Pasha in 1822; the Zeriba lands of the White Nile basin, organised and administered by the European lieutenants of the Khedival Government during the decade ending 1882, and partly held by Emin Pasha till the Stanley Relief Expedition of 1889; lastly, the Danakil (Afar), Adal, and Somali lands round about the Strait of Bab-el-Mandeb, where the Egyptian authority was established only in the immediate vicinity of the seaboard.

The Egyptian Sudan was placed under a Governor-General, whose official residence was Khartum (population in 1882, 70,000), at the confluence of the White and Blue Niles, and the territory was divided for administrative purposes into twelve provinces,<sup>1</sup> with area, population, and chief towns as follows:—

<sup>1</sup> MS. note by the late General Gordon.

Province	Estimated area in square miles	Estimated Population	Capital
Dongola . . . . . } Khartum . . . . . }	100,000	1,000,000	{ New Dongola Khartum
Sawakin-Massawah . . . . .	80,000	350,000	Massawah
Kordofan . . . . .	100,000	300,000	El-Obeid
Darfur . . . . .	200,000	1,500,000	El-Fasher
Senaar . . . . .			Senaar
Equatorial Province . . . . . } Fazocli . . . . . } Bahr-el-Gazal . . . . . }	450,000	7,000,000	{ Lado Mehemet Ali Shekka
Zeilah . . . . . } Harrar . . . . . }	20,000	250,000	{ Zeilah Harrar
Berbera . . . . . }			Berberah
Total Egyptian Sudan	950,000	10,400,000	—

It is estimated that three-fifths of the population of the Sudan have, during the last ten years, perished through war, famine, and slave-trading.

Since the Mahdi's revolt, Sawakin, Zeilah, and Berbera have been occupied by the English, Massawah by the Italians, and the northern part of Dongola by Egypt. Darfur appears to have reasserted its independence, the Equatorial Province has lapsed into barbarism. The greater part of the Equatorial Province and of Darfur is by the Anglo-German agreement of 1890 and Anglo-Italian agreement of 1891 included within the British sphere of influence.

Before the war a considerable trade was carried on with Egypt, the chief exports being gold-dust, ostrich feathers, gums, hides, and skins; the imports, European and Oriental wares of all kinds. For Kordofan alone the total exports were valued in 1881 at nearly 150,000*l*. Besides the great artery of the Nile, the chief trade routes ran from Obeid to Khartum, from Berber to Sawakin, from Sawakin up the Baraka Valley to Kassala, from Kassala to Senaar, and thence down the Blue Nile to Khartum.

## DAHOMEY.

The Kingdom of Dahomey, formerly the most powerful on the Slave Coast, Upper Guinea, has in recent years been greatly reduced in size and strength, especially by the long and disastrous wars waged against Abeokuta and other petty Yoruba States on its eastern frontier. It now comprises an area of about 4,000 square miles, with an estimated population of 250,000, extending from Yoruba westwards to the river Volta, separating it from Ashanti, and bordering northwards on the Wangera territory. It has an outlet on the coast at Whydah. According to the recent treaty of delimitation between British and French West African possessions, Dahomey is the Hinterland of the French possession of Porto Novo.

The King exercises unlimited power. Besides ordinary troops, he maintains a body-guard of about 4,000 'Amazons,' who are noted for their courage

and discipline. The natives, who are of pure Negro stock and fetish-worshippers, belong to the Fon branch of the Ewe family, but have called themselves Dauma or Dahomé since the foundation of the kingdom early in the seventeenth century. They are industrious agriculturists, exporting through Whydah the finest palm-oil produced in Upper Guinea. Maize, cattle, ivory, and india-rubber also abound. Abomey, capital of the kingdom, lies seventy miles north of Whydah, and about ten miles north-west of Kana (Kalmina), the royal summer residence.

Early in 1890 complications arose with France respecting the disputed stations of Porto Novo and Kotonu on the south coast ; but after a brief series of hostilities peace was concluded in October, 1890, Dahomey recognising the French claims to those places, on condition of being paid an annuity of 20,000 francs. In 1892 hostilities again broke out, and a French military expedition made its way to the capital of Dahomey, completely defeating the native army and putting the king to flight. Military operations continued during the year 1893. Several of the native tribes had submitted or claimed French protection, and on January 25, 1894, the King Beuhazin surrendered unconditionally. As yet (February, 1895) no formal annexation of Dahomey has been made by France ; but in January, 1894, a new king, Guthili, was chosen by the assembled chiefs, and on January 15 was presented to the population in the neighbourhood of Abomey in the name of the French Government.

## REFERENCES.

- Burton* (Sir R. F.), Mission to Gelele, King of Dahome. 2 vols. London, 1864.  
*Duncan* (J.), Travels in Western Africa. 2 vols. 12. London, 1847.  
*Foa* (M.), A Voyage up the Wheni River, 'Proc. Roy. Geog. Soc.' Feb. 1889.  
*Keltie* (J. Scott), The Partition of Africa. London, 1893.  
*Reclus* (E.), Universal Geography. Vol. XII.  
*Skertchley* (J. A.), Dahomey as it is. 8. London, 1874.  
*White* (A. Silva), The Development of Africa. London, 1890.

## ARGENTINE REPUBLIC.

(REPÚBLICA ARGENTINA.)

### Constitution and Government.

The Constitution of the Argentine Republic, formerly known by the name of 'Provincias Unidas del Río de la Plata,' bears date May 15, 1853, with modifications in 1860, when Buenos Ayres joined the confederacy. By its provisions, the executive power is left to a President, elected for six years by representatives of the fourteen provinces, equal to double the number of senators and deputies combined; while the legislative authority is vested in a National Congress, consisting of a Senate and a House of Deputies, the former numbering 30, two from the capital and from each province, elected by a special body of electors in the capital, and by the legislatures in the provinces; and the latter 86 members elected by the people. By the Constitution there should be one deputy for every 20,000 inhabitants. A deputy must be 25 years of age, and have been a citizen for four years. The deputies are elected for four years, but one-half of the House must retire every two years. Senators must be 30 years of age, have been citizens for six years, and have an annual income of \$2,000. One-third of the Senate is renewed every three years. The two chambers meet annually from May 1 to September 30. The members of both the Senate and the House of Deputies are paid for their services, each receiving \$8,400 per annum. A Vice-President, elected in the same manner and at the same time as the President, fills the office of Chairman of the Senate, but has otherwise no political power. The President is commander-in-chief of the troops, and appoints to all civil, military, and judicial offices, and has the right of presentation to bishoprics; he is responsible with the Ministry for the acts of the executive; both President and Vice-President must be Roman Catholics, Argentine by birth, and cannot be re-elected.

*President of the Republic.*—Señor Uriburu, formerly Vice-President; was proclaimed President on the resignation of Dr. Saenz Pena, January 22, 1895.

The Ministry, appointed by and acting under the orders of the President, consists of five Secretaries of State—namely, of the Interior, Foreign Affairs, Finance, War, and Justice.

The President has a salary of 36,000 dollars, the Vice-President of 18,000 dollars, and each of the five ministers of 16,800 dollars per annum.

### LOCAL GOVERNMENT.

The Constitution, with certain small exceptions, is identical with that of the United States. Such matters as affect the Republic as a whole are under the superintendence of the Central Government. The governors of the various provinces are invested with very extensive powers, and in their con-

stitutional functions are independent of the central executive. They are not appointed by the President of the Republic, but elected by the people of each province for a term of three years and four years. The provinces elect their own legislatures, and have complete control over their own affairs; they can contract loans (internal and external) under their sole and exclusive responsibility.

### Area and Population.

At the census of 1869 the population of the provinces amounted to 1,736,922, exclusive of the national territories.

The following table contains a list of the fourteen provinces and nine territories actually composing the Argentine Republic, their estimated area, and the number of inhabitants, mainly according to an official estimate for 1887:—

Provinces	Area: Engl. sq. miles	Population	Population per sq. mile
Littoral: Buenos Ayres (1890) .	—	561,160	—
Buenos Ayres (province)	63,000	850,000	13
Santa Fé (census 1887)	18,000	240,332	13
Entre Ríos . . . . .	45,000	300,000	6·6
Corrientes . . . . .	54,000	290,000	5·3
Andes: Rioja . . . . .	31,500	100,000	3
Catamarca . . . . .	31,500	130,000	4
San Juan . . . . .	29,700	125,000	4
Mendoza . . . . .	54,000	160,000	3
Central: Cordova . . . . .	54,000	380,000	7
San Luis . . . . .	18,000	100,000	5·5
Santiago del Estero . . . . .	31,500	160,000	5
Tucuman . . . . .	13,500	210,000	16
Northern: Salta . . . . .	45,000	200,000	4·4
Jujuy . . . . .	27,000	90,000	3·3
<b>Total</b> . . . . .	<b>515,700</b>	<b>3,916,492</b>	<b>7·5</b>
<b>Territories</b>			
Misiones . . . . .	23,932	50,000	2·1
Formosa } . . . . .	125,612	50,000	0·4
Chaco } . . . . .			
Pampa . . . . .	191,842	40,000	0·2
Rio Negro	268,000	30,000	0·11
Neuquen			
Chubut			
Santa Cruz			
Tierra del Fuego }			
<b>Grand total</b> . . . . .	<b>1,125,086</b>	<b>4,086,492</b>	<b>3·6</b>

An official estimate of 1892 gives the total population at 4,257,000.

By a treaty concluded between the Argentine Republic and Chile in 1881 the latter recognises the right of the former to all the country east of the crest of the eastern ridge of the Andes, including all Patagonia and the eastern part of Tierra del Fuego.

The capital of the Republic, Buenos Ayres, had a population of 177,790 in 1869, 295,000 in 1882, and 580,371 in January, 1894, of whom over 150,000 are foreigners. Other towns, with populations for 1888, are Cordoba, 66,600; Rosario, 55,000; Tucuman, 25,000; Mendoza, 18,000; Paraná, 18,000; Salta, 20,000; Corrientes, 14,000 inhabitants; La Plata, the new capital of the province of Buenos Ayres (founded 1884), 65,000. It is about 40 miles SE. of the city of Buenos Ayres.

The increase of population has been due greatly to immigration. The arrivals by sea in the last ten years have been as follows:—1884, 77,805; 1885, 108,722; 1886, 93,116; 1887, 120,842; 1888, 155,632; 1889, 260,909; 1890, 138,407; 1891, 73,597; 1892, 73,294; 1893, 84,420. In the twenty-one years 1873–1893 the arrivals of immigrants numbered 1,683,000, and the departures 567,000. In 1893 the immigrants comprised 37,977 Italians, 7,100 Spaniards, 2,612 French, 966 Germans, 748 Russians, and 685 Austrians. The departures in 1893 numbered 48,794.

In 1887 the number of foreigners in the Republic was 600,000, including 280,000 Italians, 150,000 French, 100,000 Spaniards, 40,000 English, and 20,000 Germans.

### Religion.

Although the Constitution recognises the Roman Catholic religion as that of the State, all other creeds are tolerated. In 1891, 272,880 dollars were set down in the budget for public worship. There are 1 archbishop and 5 suffragan bishops. For the instruction of the clergy there are 5 seminaries. In 1888 civil marriage was established in the Republic.

### Instruction.

Primary education is free, secular and compulsory for children from 6 to 14 years of age. In the capital and the 9 territories it is under the charge of a national council of education, assisted by local school councils; and in the 14 provinces under their respective governments. The elementary schools are supported in the capital and each province by the taxes established in their Education Acts, aided by large subsidies from the general Government. In 1890 the sums contributed by the general Government and the 14 provinces to the support of the elementary education in the Republic amounted to 10,415,789 dollars. In 1892 there were 2,731 elementary schools, with 6,864 teachers and 228,439 pupils. Secondary or preparatory education is controlled by the general Government, which maintains 16 lycæums (one in each province and the capital), with 450 professors and 3,169 pupils in 1892. There are 2 universities, at Cordova and Buenos Ayres, comprising (1891) faculties of law, medicine, and engineering, with a total of 900 students; a school of mines (20 students), 2 colleges of agriculture, a naval, a military, and several normal schools. There is a well-equipped national observatory at Cordoba, and another at La Plata, museums at Buenos Ayres and La Plata, and a meteorological bureau.

### Justice.

Justice is exercised by a Supreme Court of five judges and an attorney-general, which is also a court of appeal, and by a number of inferior and local courts, trial by jury being established by the Constitution for criminal cases. Each State has its own judicial system.

In 1891 in Buenos Ayres, 3,800 criminal cases were tried. Of those tried on criminal charges 3,436 were Italians, of whom 65 were tried for murder. The average number of prisoners in the capital is 900.



## Finance.

The budget estimates of expenditure, together with the additional expenditure for three years, is shown in the following statement, in which gold is converted into currency at the rate of 230 per cent. premium :—

	1890	1891	1892
	Dollars	Dollars	Dollars
Budget . . . . .	61,800,000	91,500,000	74,100,000
Extra . . . . .	33,500,000	34,900,000	54,000,000
Total . . . . .	95,300,000	126,400,000	128,100,000

For 1893 the actual revenue was 31,909,953 dollars gold and 108,801,225 dollars paper ; expenditure, 31,303,149 dollars gold and 97,627,956 dollars paper. For 1894 the estimated revenue was 34,193,400 dollars gold and 20,280,000 dollars paper ; expenditure, 18,418,000 dollars gold and 66,033,380 dollars paper. For 1895 the Government estimates of revenue and expenditure were :—

Revenue.	Dollars Gold.	Revenue.	Dollars Paper.
Import duties . . . . .	28,800,000	Land tax . . . . .	1,600,000
Export „ . . . . .	2,500,000	Stamps, &c. . . . .	6,600,000
Storage . . . . .	700,000	Posts and telegraphs . . . . .	3,350,000
Harbours, &c. . . . .	840,000	Railways and other works . . . . .	4,820,000
Consular taxes, &c. . . . .	150,000	Excise . . . . .	6,930,000
Statistics . . . . .	220,000	Various . . . . .	525,000
Interest . . . . .	1,163,000		
Total . . . . .	34,373,000	Total . . . . .	23,825,000

Expenditure.	Dollars Gold.	Dollars Paper.
Congress . . . . .	—	1,969,016
Interior . . . . .	2,644,800	18,670,373
Foreign affairs . . . . .	159,960	733,944
Finance . . . . .	15,613,540	7,343,169
Justice and worship . . . . .	—	10,267,291
War . . . . .	—	14,623,128
Marine . . . . .	—	8,170,653
Total . . . . .	18,418,300	61,777,574

In the budget committee's report (December 11, 1894) the revenue for 1895 was estimated at 31,073,400 dollars gold and 24,690,000 dollars paper ; expenditure, 15,027,000 dollars gold and 64,000,000 dollars paper.

According to a statement by the Finance Minister, December 12, 1894, the Argentine Debt, for the service of which provision had to be made, was as follows:—

	Dollars Gold.	Dollars Paper.
External ... ..	219,020,172	—
Banco Nacional Mortgage Debt ...	7,008,224	—
Internal ... ..	36,005,320	46,500,794
Total ... ..	262,033,716	46,500,794

The annual service of this Debt amounts to 11,193,491 dollars gold, and 2,100,000 dollars paper. In January, 1894, the total indebtedness of the Republic, including external, internal, and floating debt, amounted to 416,778,905 dollars gold and 63,980,376 dollars paper. The total amount of the notes redeemed during the year 1894 was 8,000,394 dollars.

Each province and municipality has, besides, its own budget, the total national and provincial expenditure amounting to about 3*l.* per head. The ordinary revenue of the province of Buenos Ayres for the three years 1889-91 averaged 6,000,000 dollars, and expenditure 17,000,000 dollars. For 1893 the estimated revenue was 12,805,000 dollars, and expenditure 12,742,000 dollars. The estimated revenue of the 13 other provinces for 1893 was 16,446,400 dollars, and expenditure 16,496,500 dollars.

According to the Finance Minister's message, the External Provincial Debt in 1894 was 131,000,000 dollars gold; the Municipal Debts amount to 24,596,422 dollars gold.

The service of the Provincial Debt is 21,000,000 dollars gold in arrear, and that of the Municipal Debt 697,081 dollars gold in arrear.

### Defence.

The army comprises 37 generals, 685 infantry officers, 507 cavalry, 167 artillery, and 2 engineer; while the rank and file numbers 6,498 men. The number of men in the national guard is put at 480,000, of whom not more than 65,000 have received any military training.

There is a military school, with 125 cadets, and a school for non-commissioned officers. The naval school has 60 cadets, and the school of gunners 80.

The Argentine Navy is the third in importance of those maintained by the South American States. According to the system of classification adopted in this volume (see Introductory Table), it consists of 2 port-defence armour-clads (the old monitors *El Plata* and *Los Andes*); 3 armoured cruisers; 2 second-class cruisers, *25 de Mayo* and *9 de Julio*; 6 third-class cruisers *a*, and *6 b*; and 8 first-class, and 6 second-class torpedo-boats.

The armoured cruiser *Almirante Brown* was built at Poplar in 1880, is of 4,200 tons displacement, 5,380 horse-power, with 14 knots nominal speed, and is protected by 9-inch steel-faced armour. In her central battery she carries 6 12-ton breech-loading Armstrong guns, and has 2 other guns of the same calibre mounted at the bow and stern respectively. In July, 1892, there was launched at Elswick the cruiser *Nueva de Julio*, 3,575 tons displacement, 14,500 indicated horse-power, and nominal speed 22.5 knots. With natural draught (13,000 horse-power) this vessel obtained the high speed

of 21·9 knots. She carries 4 6-in. and 8 4·7-in. Q.F. guns, and 24 Hotchkiss 3 pr. and 1 pr. guns. At the same time the torpedo-gunboat *Aurora* (500 tons), with 2,300 horse-power, and a speed of 18·5 knots, was launched. The steel cruiser-rams *Libertad* and *Independencia*, launched by Messrs. Laird Bros. at Birkenhead, respectively in 1890 and 1891, are very remarkable vessels. They have a small displacement (2,500 tons), but are powerfully armed, well protected, and handy ships. They carry 2 9½-in. Krupp guns *en barbette*, and have a secondary armament of 4 4·7-in. Armstrong quick-firers, 2 sponsoned out on each broadside, and 8 smaller pieces. These were the first vessels to be provided with heavy guns mounted for high-angle (40°) fire. The side and barbette protection is 8-in. compound armouring. The torpedo-gunboat *Rosales* was lost at sea, but Messrs. Laird have launched a more powerful substitute in the *Patria* (1,183 tons), which has steamed 20·5 knots with forced draught. She carries a powerful armament of 2 4·7-in., 4 3-pr., and 2 3-pr. quick-firers.

### Production and Industry.

The area of land under cultivation in 1894, in the 14 provinces and 9 national territories, was 5,000,000 hectares, or about 1·8 per cent. of the total area of the country, which is set down at 289,420,340 hectares.

In 1892 the area under wheat was 1,214,100 hectares; vines, 34,400 hectares. The annual production of wine is over 660,000 hectolitres; sugar, about 35,000 tons.

The value of the agricultural products in 1893 was estimated at 117,000,000 dollars, and of the pastoral products at 105,000,000 dollars. The total wheat yield is put at 1,500,000 tons. In 1893 there were in the Republic 22,000,000 cattle, 80,000,000 sheep, 5,200,000 horses, and 1,998,000 other animals, the total value being 494,160,000 dollars gold. In 1891 there were slaughtered 1,962,147 head of cattle. In 1892 there were 74 breweries and 193 distilleries, the output of spirit being 37,242,069 litres. The number of industrial establishments in the Republic is estimated at 347 with a capital of 40,700,000 dollars and 12,200 workmen. In the provinces of Buenos Ayres, Santa Fé, and Entre Ríos agricultural lands to the extent of 330,000 acres have been acquired by the Jewish Colonisation Association. Of these lands about 180,000 acres are occupied by about 1,000 Jewish families.

Coal (lignite) is found in several provinces, but not worked satisfactorily. Petroleum is worked in Mendoza.

### Commerce.

The following table shows the official values in thousands of dollars gold of the imports and exports (exclusive of coin and bullion) for five years, including re-exports:—

—	1889	1890	1891	1892	1893
Imports .	164,600	142,300	67,193	91,481	96,105
Exports .	122,815	104,528	98,964	112,809	92,704

Of the total imports in 1893 the value of 79,853,534 dollars, and of the exports 51,869,181 dollars, passed through the port of Buenos Ayres.

The imports and exports of coin and bullion have been as follows:—

Years	Import		Total	Export		Total
	Gold	Silver		Gold	Silver	
1889	11,576,906	172,853	11,749,759	27,815,546	615,705	28,431,251
1890	6,946,812	204,439	7,151,251	5,009,358	274,542	5,283,900
1891	8,885,388	370,220	9,255,608	1,183,891	519,204	1,703,100
1892	—	—	6,520,348	—	—	1,979,711
1893	—	—	4,688,658	—	—	815,585

The following are the principal articles of import and export with their value, for two years:—

Imports	1892	1893	Exports	1892	1893
	Dollars	Dollars		Dollars	Dollars
Textiles and apparel	34,921,160	32,509,344	Animals & their produce	76,249,684	52,997,619
Food substances	12,683,560	10,724,015	Agricultural produce	26,750,366	29,017,260
Iron & manuf.	10,339,363	13,055,393	Manufactured produce	5,032,512	4,769,713
Drinks	6,040,155	8,341,895	Forest produce	1,066,819	2,251,192
Wood & manuf.	3,712,355	4,889,389	Mineral	652,603	862,446
Railway & other material	3,545,625	3,279,688	Various	3,056,948	3,305,604
Paper & manuf.	2,687,956	3,127,884			
Metals, various	1,140,753	1,555,953			
Pottery, glass, &c.	1,618,790	2,360,451			
Chemicals	4,026,640	4,095,902			
Coal, coke, oil, &c.	6,095,642	6,868,085			
Various	4,669,164	5,297,359			
Total	91,481,163	96,105,859	Total	112,809,232	92,703,834

Among the more important exports were the following:—

—	Wool	Sheep Skins	Wheat	Maize	Meat
	Tons	Tons	Tons	Tons	Tons
1892	154,600	30,061	470,110	446,000	77,200
1893	123,230	25,569	1,008,137	84,507	68,371

The foreign trade in the Argentine Republic was mainly with the following countries, to the following values in gold dollars:—

Countries	Imports from		Exports to	
	1892	1893	1892	1893
	Dollars	Dollars	Dollars	Dollars
Great Britain . .	35,800,000	32,523,168	19,700,000	18,531,905
France . . . .	10,400,000	12,114,164	26,400,000	18,323,465
Germany . . . .	10,600,000	11,009,865	16,600,000	10,452,395
Belgium . . . .	6,700,000	9,635,758	14,700,000	10,939,551
United States . .	7,400,000	9,610,934	4,800,000	3,416,740
Italy . . . . .	8,400,000	9,318,084	4,300,000	3,390,107
Brazil . . . . .	—	2,117,377	10,500,000	12,038,050

The commercial intercourse between the Argentine Republic and the United Kingdom is shown in the subjoined tabular statement, according to the Board of Trade returns:—

—	1889	1890	1891	1892	1893
Imports into U.K. from Argentina	£ 2,016,182	£ 4,129,802	£ 3,451,228	£ 4,540,358	£ 4,836,682
Exports of British produce to Ar- gentina . . . .	10,681,879	8,416,112	4,246,700	5,651,605	5,535,754

The staple Argentine imports into the United Kingdom are as follows:—Tallow and stearine, 92,160*l.* in 1891; 38,771*l.* in 1892; 80,296*l.* in 1893; fresh mutton, 791,011*l.* in 1891; 866,581*l.* in 1892; 959,299*l.* in 1893; skins, mainly sheep, 162,143*l.* in 1891; 109,320*l.* in 1892; 103,248*l.* in 1893; bones, 123,811*l.* in 1891; 68,101*l.* in 1892; 30,343*l.* in 1893; hides, 120,081*l.* in 1891; 109,170*l.* in 1892; 121,752*l.* in 1893; wool, 130,281*l.* in 1891; 172,799*l.* in 1892; 167,276*l.* in 1893; wheat, 1,105,756*l.* in 1891; 1,277,344*l.* in 1892; 2,432,674*l.* in 1893; other sorts of grain, 254,291*l.* in 1891; 1,127,912*l.* in 1892; 69,950*l.* in 1893. The exports of British produce to the Argentine Republic consist chiefly of cottons, 1,095,495*l.* in 1891; 1,955,691*l.* in 1892; 1,643,118*l.* in 1893; woollens, 298,485*l.* in 1891; 569,545*l.* in 1892; 712,741*l.* in 1893; iron, 835,655*l.* in 1891; 667,176*l.* in 1892; 576,515*l.* in 1893; and machinery, 394,860*l.* in 1891; 381,950*l.* in 1892; 565,515*l.* in 1893.

### Shipping and Navigation.

The vessels entered in the foreign trade at the ports of the Republic in three years were:—

Year	Steamers		Sailing Vessels		Total	
	Number	Tons	Number	Tons	Number	Tons
1890	7,047	5,052,700	6,826	1,288,200	13,873	6,340,900
1891	7,369	4,577,600	3,496	697,500	10,865	5,275,100
1892	7,298	5,336,700	2,650	710,100	9,248	6,046,800

In 1892, of the vessels entered, 2,828 of 2,723,900 tons were British, and 4,339 of 1,672,400 tons were Argentine. The river navigation in 1890 comprised 22,494 vessels of 3,324,849 tons entered. In 1894, of vessels over 100 tons Argentina had 73 steamers of 33,079 tons gross, and 97 sailing vessels of 26,754 tons net.

### Internal Communications.

The length of railway open for traffic in 1894 was 8,156 miles, which connect the principal cities of the Republic with the capital. In 1894 the capital was 399,457,906 dollars gold; gross receipts (1893) 66,723,326 dollars, and expenses 39,338,490 dollars. Of the capital invested, 42,107,501 dollars corresponded to lines the property of the nation; 83,259,321 dollars to guaranteed lines; 224,717,783 dollars to private companies' lines; 49,373,300 dollars to lines subventioned by the provinces. Concessions have been granted for 3,170 miles of line, some of which is under construction. Of the Trans-Andine line from Mendoza to Santa Rosa, 88 miles of the Argentine section and 18 miles of the Chilian are open for traffic, 42 miles of line being still required to unite the sections. The total cost of construction of the lines open for traffic at the end of 1891 was 71,800,000*l*. The European capital invested in the railways is put at 62,500,000*l*. There were in 1891 173 miles of tramway. The European capital in the tramways amounts to over 3,000,000*l*.

In 1891 there were in the Republic 20,415 miles of telegraph lines, of which 11,250 miles were national; 1,115 miles belonged to cable companies, and 8,050 to railway companies. The number of telegraphic despatches (1893) was 2,500,000. A concession was granted Nov. 1889 to lay a direct cable from Buenos Ayres to Europe.

The Post Office in the year 1893 carried 123,618,580 inland letters and packets, and 18,500,000 international. There are 1384 offices (post and telegraph). The net revenue in 1893 from the postal service was 2,085,860 dollars; telegraph service, 1,005,280 dollars; incidental, 72,008 dollars; total, 3,163,148 dollars.

### Money and Credit.

By law of October 16, 1891, the old National Bank was placed in liquidation, and a new bank, called 'Banco de la Nacion Argentina,' with a capital of fifty million dollars was opened on December 1, 1891. In 1894 it had 62 branches, in which 30,865,000 dollars paper had been invested. The Banco Hipotecario, on May 31, 1892, had cedulas in circulation amounting to 16,457,600 dollars gold, and 75,321,700 dollars paper. There are 38 private and 14 State banks (exclusive of the old National Bank).

The balance sheet of the Caja de Conversion, August 31, 1894, shows the total amount of notes in circulation to be as follows:—

	Dollars
Bancos Nacionales (guaranteed) . . . . .	36,875,684
Banco Hipotecario Nacional . . . . .	30,000,000
„ Nacion Argentina . . . . .	56,500,000
„ Nacional (in liquidation) . . . . .	96,001,533
Municipality of the Capital . . . . .	3,627,340
Government . . . . .	77,738,466

---

300,743,023

Over 8,000,000 dollars of Government notes are redeemed annually.

In 1878 the Provincial Government of Buenos Ayres founded the Municipal loan and savings bank, which in 1888 became the property of the Municipality. Its capital is 300,000 dollars, and in 1891 its operations reached 545,246 dollars.

### Money, Weights, and Measures.

#### MONEY.

The silver *Peso fuerte*, or dollar of 100 *centesimos* is of the value of 4s. at par.

The 5-dollar gold piece weighs 8·0645 grammes ·900 fine and therefore contains 7·25805 grammes of fine gold.

The silver dollar (like the French 5-franc piece) weighs 25 grammes ·900 fine and thus contains 22·5 grammes of fine silver.

Professedly the standard of value is gold. The money in circulation is chiefly inconvertible paper currency.

#### WEIGHTS AND MEASURES.

The <i>Quintal</i> . . . . .	=	101·40 lbs. avoirdupois.
„ <i>Arroba</i> . . . . .	=	25·35 „ „
„ <i>Fanega</i> . . . . .	=	1½ imperial bushel.

Since January 1, 1887, the use of the French metric system is compulsory.

### Diplomatic Representatives.

#### 1. OF THE ARGENTINE REPUBLIC IN GREAT BRITAIN.

*Envoy Extraordinary and Minister Plenipotentiary.*—Don Luis L. Dominguez. Accredited May 8, 1886.

*Secretary.*—Florencio L. Dominguez.

There are Consular representatives at Belfast, Birmingham, Cardiff, Dublin, Dundee, Edinburgh, Falmouth, Glasgow (C.G.), Hull, Leeds, Leith, London (C.G.), Liverpool, Manchester, Newcastle, Newport, Southampton; Gibraltar, Canada (C.G.), Sydney, Montreal.

#### 2. OF GREAT BRITAIN IN THE ARGENTINE REPUBLIC.

*Envoy and Minister.*—Hon. Francis J. Pakenham. Appointed February 1885.

*Secretary.*—Edward Thornton.

*Consul.*—Ronald Bridgett.

There are Vice-Consuls at Buenos Ayres, Bahia Blanca, Concordia, Cordoba, La Plata, Rosario, and Santa Fé.

### Statistical and other Books of Reference concerning the Argentine Republic.

#### 1. OFFICIAL PUBLICATIONS.

- Censo municipal de la ciudad de Buenos Aires. 2 v. 1887.  
 Censo de la provincia de Santa Fé. 1887.  
 Censo de la provincia de Buenos Aires. 1881.  
 Datos trimestrales del comercio exterior de la República Argentina. Buenos Aires.  
 Estadística general del comercio exterior de la República Argentina. Annual. Buenos Aires.  
 Higiene Publica, Anales de. Monthly. Buenos Aires.  
 Informe presentado á la Oficina de Estadística de Buenos Aires. Annual. Buenos Aires.  
 Ligeros apuntes sobre el clima de la República Argentina, por el Director de la oficina meteorológica Gualterio G. Davis. Buenos Aires, 1889.  
 La República Argentina en la Exposicion Universal de Paris, 1889.  
 Informes del Delegado Argentina. 2 vols. Paris, 1890.  
 Informe sobre el estado de la educacion comun, durante el Año de 1891. By Dr. Benjamin Zorrilla. Buenos Aires, 1893.  
 Instituto Geographico Argentino, Boletin del. Buenos Aires.  
 Los presupuestos, los recursos y las leyes de impuestos de la nacion, las 14 provincias y las principales municipalidades. Año de 1893. Buenos Aires, 1894.

- Boletín mensual de estadística municipal de la ciudad de Buenos Aires.  
 Informe sobre deuda pública, bancos, &c., por P. Agote. Año vi. Buenos Aires, 1894.  
 Memoria del Ministerio del Interior de la República Argentina, presentada al Congreso nacional de 1894. 4. Buenos Aires, 1894.  
 Memoria presentada por el Ministro de Estado en el departamento de Hacienda al Congreso nacional de 1894. 4. Buenos Aires, 1894.  
 Registro estadístico de la Provincia de Buenos Aires. Fol. Buenos Aires, 1893.  
 Map of the Argentine Republic. With a short description of the country. Published by the Argentine Government Information Office.  
 Message of the President of the Republic in opening the Session of the Argentine Congress, May 1894. Buenos Ayres, 1894.  
 Report on Argentina in 'Deutsches Handels-Archiv' for June, 1893. Berlin.  
 Foreign Office Reports. Annual Series. 8. London.  
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Inp. 4. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

- Akers* (C. E.), Argentine, Patagonian and Chilian Sketches. 8. London, 1893.  
*Aurignac* (Romain d'). Amérique du Sud. Trois ans chez les Argentins. 4. Paris, 1890.  
*Bates* (H. W.), South America. London, 1882.  
*Child* (Theodore), The Spanish American Republics. London, 1891.  
*Crawford* (A.), Across the Pampas and the Andes. London, 1884.  
*Diareaux* (Emile), Buenos Aires, la Pampa et la Patagonie. Paris, 1878.  
*Dominguez* (L. L.), Historia Argentina. 4th edit. Buenos Ayres, 1870.  
*Gibson* (H.), History and Present State of the Sheep-Breeding Industry in the Argentine Republic. London, 1893.  
*Martinez* (Alberto B.), El Presupuesto Nacional, Buenos Aires, 1890.  
*Mitré* (Bartolomé), Historia de Belgrano. 4th ed. Buenos Ayres, 1887.  
*Mitré* (B.), The Emancipation of South America. A Condensed Translation, by W. Pilling, of The History of San Martin. London, 1893.  
*Mulhall* (M. G. and E. T.), Handbook of the River Plate. London, 1893.  
*Mulhall* (Mrs. M. G.), Between the Amazon and the Andes. London, 1884.  
*Paz* (Ez. N.), and Mendonça (Manuel), Compte-Rendu de l'Exposition continentale de la République Argentine. Buenos Ayres, 1882.  
*Paz Soldan* (Mariano Felipe), Geografía Argentina. Buenos Ayres, 1885.  
*Rumbold* (Sir H.), The Great Silver River. London, 1888.  
*Saldías* (Adolfo), Historia de Confederación Argentina. 2nd ed. 5 vols. 8. Buenos Aires, 1892.  
*Sarmiento* (Domingo Faustino), Life in the Argentine Republic in the Days of the Tyrants. Translated by Mrs. H. Mann. 8. London, 1868.  
*Turner* (T. A.), Argentina and the Argentines. London, 1892.  
*Vincent* (F.), Round and About South America. New York, 1890.



## AUSTRIA-HUNGARY.

(OESTERREICHISCH-UNGARISCHE MONARCHIE.)

### Reigning Sovereign.

**Franz Josef I.**, Emperor of Austria, and King of Hungary ; born August 18, 1830 ; the son of Archduke Franz Karl, second son of the late Emperor Franz I. of Austria, and of Archduchess Sophie, Princess of Bavaria. Proclaimed Emperor of Austria after the abdication of his uncle, Ferdinand I., and the renunciation of the crown by his father, December 2, 1848 ; crowned King of Hungary, and took the oath on the Hungarian Constitution, June 8, 1867. Married April 24, 1854, to Empress *Elisabeth*, born December 24, 1837, the daughter of Duke Maximilian of Bavaria.

*Heir-Presumptive.*—Archduke Karl Ludwig. See below.

### *Children of the Emperor.*

I. Archduchess *Gisela*, born June 12, 1856 ; married April 20, 1873, to Prince Leopold, second son of Prince Luitpold of Bavaria, born February 9, 1846.

II. Archduchess *Maria Valeria*, born April 22, 1868 ; married, July 31, 1890, to Franz Salvator, Archduke of Austria-Tuscany.

### *Grandchild of the Emperor.*

Archduchess *Elisabeth*, born September 2, 1883, only child of the late Archduke *Rudolph*, Crown Prince, and Princess *Stéphanie*, second daughter of King Leopold II. of Belgium.

### *Brothers of the Emperor.*

I. Archduke *Karl Ludwig*, cavalry general in the imperial army ; born July 30, 1833 ; married (1) November 4, 1856, to Princess Margaret, daughter of the late King Johann of Saxony ; widower September 15, 1858 ; married (2) October 21, 1862, to Princess Annunciata, born March 24, 1843, daughter of the late King Ferdinando II. of Naples ; widower May 4, 1871 ; married (3) July 23, 1873, to Princess Maria, born August 24, 1855, daughter of the late Prince Miguel of Braganza, Regent of Portugal. Offspring of the second and third unions are six children:—1. Franz, born December 18, 1863. 2. Otto, born April 21, 1865 ; married October 2, 1886, to Princess Maria Josepha, born May 31, 1867, the daughter of the Prince Georg of Saxony ; offspring, Karl, born August 17, 1887. 3. Ferdinand Karl Ludwig, born December 27, 1868. 4. Margaret,

born May 13, 1870. 5. Maria, born July 31, 1876. 6. Elisabeth, born July 7, 1878.

II. Archduke *Ludwig Victor*, field-marshal-lieutenant in the imperial army; born May 15, 1842.

The imperial family of Austria descend from Rudolf von Habsburg, a German count, born 1218, who was elected King of Germany in 1273. The male line died out in 1740 with Emperor Karl VI., whose only daughter, Maria Theresa, gave her hand (1736) to Duke Franz of Lorraine and Tuscany, afterwards Kaiser Franz I. of Germany, of the House of Lorraine, who thereby became the founder of the new line of Habsburg-Lorraine. Maria Theresa was succeeded, in 1780, by her son Joseph II., who, dying in 1790, left the crown to his brother Leopold II., at whose death, in 1792, his son Franz I. ascended the throne, who reigned till 1835, and, having been married four times, left a large family, the members of which and their descendants form the present Imperial House. Franz was the first sovereign who assumed the title of Emperor, or 'Kaiser,' of Austria, after having been compelled by Napoleon to renounce the imperial crown of Germany, for more than five centuries in the Habsburg family. The assumption of the title of Emperor of Austria took place on August 1, 1804. Franz I. was succeeded by his son, the Emperor Ferdinand I. (V. as King of Hungary), on whose abdication, Dec. 2, 1848, the crown fell to his nephew, the present Emperor-King Franz Josef I.

The present Emperor-King has a civil list of 9,300,000 florins: one moiety of this sum, 4,650,000 florins, is paid to him as Emperor of Austria, out of the revenues of Austria, and the other moiety as King of Hungary, out of the revenues of Hungary.

The following is a list (for the first centuries not complete) of the sovereigns of Austria (Dukes and Archdukes of Austria, from 1526 also Kings of Hungary and Bohemia, from 1804 Emperors of Austria), from the date of the feoffment of Dukes Albert I. and his brother Rudolf II. with the Duchy of Austria by his father, Emperor of Germany, Rudolf of Habsburg, founder of the dynasty:—

*House of Habsburg.*

Albert I. . . . .	1282	Maximilian II. . . . .	1564
*Rudolf II. . . . .	1282	Rudolf V. (Rudolf II. of Ger-	
*Rudolf III. . . . .	1293	many) . . . . .	1576
Friedrich (III. of Germany) .	1307	Matthias . . . . .	1611
*Leopold I. . . . .	1314	Ferdinand II. . . . .	1619
*Albert II. . . . .	1314	Ferdinand III. . . . .	1637
*Rudolf IV. . . . .	1358	Leopold I. . . . .	1657
*Albert III. . . . .	1365	Joseph I. . . . .	1705
*Albert IV. . . . .	1395	Karl II. (VI. of Germany) .	1711
Albert V. (Albert II. of Ger-		*Maria Theresa . . . . .	1740
many, King of Hungary and			
of Bohemia) . . . . .	1404		
*Ladislaus (King of Hungary			
and of Bohemia) . . . . .	1439		
Friedrich V. (Friedrich IV.			
of Germany) . . . . .	1457		
Maximilian I. . . . .	1493		
Karl I. (Karl V. of Germany)	1519		
Ferdinand I. . . . .	1520		

*House of Habsburg-Lorraine.*

Joseph II. . . . .	1780
Leopold II. . . . .	1790
Franz I. (Franz II. of Ger-	
many) . . . . .	1792
*Ferdinand I. . . . .	1835
*Franz Josef I. . . . .	1848

All except those marked with an asterisk likewise filled the throne of the Holy Roman Empire.

## Constitution and Government.

### WHOLE MONARCHY.

Since 1867 the provinces of the monarchy have been united as two States, politically, under the same dynasty, and having certain interests defined as common ; but otherwise each has its own constitution, which is a limited monarchy.

Affairs common to the two parts of the monarchy are :— (1) Foreign affairs ; (2) military and naval affairs, but excluding legislation concerning the army ; (3) Finance. Certain other affairs are treated on similar principles : (1) Commercial affairs ; (2) indirect taxation ; (3) the coinage ; (4) railways which concern the interests of both ; (5) defence.

Transylvania has entered into legislative and administrative union with Hungary. Croatia-Slavonia possesses an autonomy as regards the internal administration of religion, instruction, justice and police.

The common head in the Austro-Hungarian monarchy is the Emperor (Kaiser) of Austria and King of Hungary. The crown is hereditary in the Habsburg-Lothringen dynasty, passing by right of primogeniture and lineal succession to males and (on failure of males) to females. The monarch must be a member of the Roman Catholic Church. He is styled 'His Imperial and Royal Apostolic Majesty,' having a threefold title, 'Emperor of Austria, King of Bohemia, &c., and King of Hungary.'

The monarch exercises his legislative authority only with the co-operation and consent of the representative bodies, i.e. the Reichsrath, Reichstag, and the provincial Parliaments (Landtage). Legislation in affairs common to the Reichsrath and Reichstag is accomplished by means of Delegations (Delegationen). Of these there are two, each consisting of 60 members, of whom 20 are from each of the Upper Houses (the Austrian Herrenhaus and the Hungarian Magnatentafel), and 40 from each of the Lower Houses (the Austrian Abgeordnetenhaus and the Hungarian Repraesentantentafel). The members are appointed for one year. The Delegations are summoned annually by the Emperor, alternately at Vienna and Budapest. Their decisions are communicated reciprocally in writing ; and if, after three such interchanges, they do not agree, then the 120 delegates meet together, and, without discussion, settle the matter by vote. The common Ministry is responsible to the Delegations, and Ministers may be impeached by them. Subject to the Delegations are the three executive departments for common affairs. These are :—

1. The Ministry of Foreign Affairs and of the Imperial House for the Whole Monarchy.—Count G. *Kálnoky de Köröspatak*, Privy Councillor; born at Letowitz, in Moravia, December 29, 1832; entered the diplomatic service 1854; Secretary of Legation at Berlin 1857, and at London 1860–70; Ambassador at St. Petersburg 1880–81. Appointed Minister of Foreign Affairs and of the Imperial House for the Whole Monarchy November 21, 1881.

2. The Ministry of War for the Whole Monarchy.—General *Edmund Edl. v. Krieghammer*, General of the Cavalry, Privy Councillor, Minister of War for the Whole Monarchy.

3. The Ministry of Finance for the Whole Monarchy.—Benjamin *de Kállay*, Privy Councillor, born December 22, 1839. Appointed Minister of Finance for the Whole Monarchy June 4, 1882.

The above Ministers are responsible for the discharge of their official functions to the Delegations.

## AUSTRIA PROPER.

### I. CENTRAL GOVERNMENT.

The political representation is twofold—(1) for all the Austrian provinces (Reichsrath); (2) for each separate province (Landtage).

The Reichsrath, or Parliament of the western part of the Monarchy, consists of an Upper and a Lower House. The Upper House (Herrenhaus) is formed, 1st, of the princes of the Imperial family who are of age, 19 in number in 1893; 2nd, of a number of nobles—68 in the present Reichsrath—possessing large landed property, in whose families by nomination of the Emperor the dignity is hereditary; 3rd, of the archbishops, ten in number, and bishops, seven in number, who are of princely title inherent to their episcopal seat; and 4th, of any other life-members nominated by the Emperor, on account of being distinguished in art or science, or who have rendered signal services to Church or State—128 in 1893. The Lower House (Abgeordnetenhaus) consists at present, under a law passed April 2, 1873, of 353 members, elected, partly directly and partly indirectly, by the vote of all citizens who are 24 years of age and possessed of a small property or particular individual qualification; of these, 85 represent the landed proprietors, 118 represent the towns, 21 the chambers of trade and commerce, 129 the rural districts. The constituencies which under that law elect the representatives for the Austrian Lower House are divided into four classes. These are, first, the rural districts, where the peasantry and small landholders are the electors; they choose a voter for every 500 inhabitants, these voters electing the representatives; secondly, the towns; thirdly, the chambers of commerce in the cities and large towns; and fourthly, the large landed proprietors, payers of from 50 to 250 florins taxes, according to the provinces in which their estates are situated. In this last class females in possession of their own property are entitled to vote. Under a law passed in 1882, the franchise was extended to all male persons in towns and rural districts paying direct taxes to the amount of 5 florins per annum; but there are voters who pay less taxes and some who pay none; in the latter case they must have a particular individual qualification. Bohemia sends 92 representatives to the Reichsrath, being 1 representative to 63,512 inhabitants; Galicia 63, or 1 to 104,886 inhabitants; Lower Austria 37, or 1 to 71,940 inhabitants; Moravia

36, or 1 to 63,246 inhabitants; Styria 23, or 1 to 55,770; Tyrol 18, and Upper Austria 17, being 1 to 45,150 and 46,225; Coastland 12, or 1 to 57,949; Krain (Carniola) 10, or 1 to 49,896; Schlesien (Silesia) 10, or 1 to 60,565; Kärnthen (Carinthia) 9, or 1 to 40,112; Bukowina 9, or 1 to 71,843; Dalmatia 9, or 1 to 58,603 inhabitants. The smallest number of representatives is from Vorarlberg, which sends 3, or 1 to 38,691 inhabitants. The most highly represented province is Salzburg, which sends 5 members, or 1 to 34,702 inhabitants. The duration of the Lower House of the Reichsrath is for the term of six years. Members of the Lower House receive 10 florins (16s. 8d.) for each day's attendance, with an indemnity for travelling expenses. In case of dissolution new elections must take place within six months. The Emperor nominates the president and vice-president of the Upper House of the Reichsrath, while those of the Lower House are elected by the members. It is incumbent upon the head of the State to assemble the Reichsrath annually. The rights which, in consequence of the diploma of Oct. 20, 1860, and the 'Patent' of Feb. 26, 1861, have been conferred upon the Reichsrath, are as follows:—1st, *Consent* to all laws relating to military duty; 2nd, *Co-operation* in the legislation on trade and commerce, customs, banking, posting, telegraph, and railway matters; 3rd, *Examination* of the estimates of the income and expenditure of the State; of the bills on taxation, public loans, and conversion of the funds; and general control of the public debt. At present the rights of the Reichsrath are fixed by the law of December 21, 1867. To give validity to bills passed by the Reichsrath, the consent of both Chambers is required, as well as the sanction of the head of the State. The members of both the Upper and the Lower House have the right to propose new laws on subjects within the competence of the Reichsrath.

The Ministry for Austria Proper, as constituted November 11, 1893, is as follows:—

1. Minister President.—Prince Alfred *Windischgrätz*.
2. Minister of the Interior.—Marquis *Bacquehem*.
3. Minister of Public Instruction and Ecclesiastical Affairs.—Chevalier de *Madeyski*.
4. Minister of Finance.—Dr. *von Plener*.
5. Minister of Agriculture.—Count Julius *Falkenhayn*.
6. Minister of Commerce and National Economy.—Count *Wurmbrand*.
7. Minister of National Defence (*Landesvertheidigung*)—Field-marshal Count Zeno *von Welsersheimb*.
8. Minister of Justice.—Count Friedrich *von Schoenborn*.
9. Without portfolio.—Chevalier de *Jaworski*.

The responsibility of Ministers for acts committed in the discharge of their official functions was established by a bill which received the sanction of the Emperor on July 25, 1867.

## II. PROVINCIAL GOVERNMENT.

The Provincial Diets are competent to legislate in all matters not expressly reserved for the Reichsrath. They have control over local representative bodies, and the regulation of affairs affecting taxation, the cultivation of the soil, educational, ecclesiastical, and charitable institutions and public works. In Tyrol and Vorarlberg they have the regulation of the defence of the province, and consent to the employment of the local militia (*Landeschützen*) beyond the province. Each Provincial Diet consists of one assembly, composed (1) of the archbishop and bishops of the Roman Catholic and Oriental Greek Churches; (2) the rectors of Universities; (3) the representatives of great estates, elected by all landowners paying land taxes of not less than 50, 100, 200, or 250 florins, according to the provinces in which their estates are situated; (4) the representatives of towns, elected by those citizens who possess municipal rights or pay a certain amount of direct taxation; (5) the representatives of boards of commerce or trade guilds, chosen by the respective members; (6) representatives of the rural communes, elected by deputies called 'Wahlmänner,' returned by all inhabitants who pay a small amount of direct taxation.

The strength of the sixteen separate Diets is shown in the following table:—

	No. of Members		No. of Members
Lower Austria . . . . .	72	Tyrol . . . . .	68
Upper Austria . . . . .	50	Vorarlberg . . . . .	21
Salzburg . . . . .	26	Bohemia . . . . .	242
Steiermark (Styria) . . . . .	63	Moravia . . . . .	100
Carinthia . . . . .	37	Silesia . . . . .	31
Carniola . . . . .	37	Galicia . . . . .	151
Görz and Gradiska . . . . .	22	Bukowina . . . . .	31
Istria . . . . .	33	Dalmatia . . . . .	43

The deputies to the Provincial Diets are elected for six years. The Diets are summoned annually.

The Provincial Council is an executive body composed of the president of the Diet and other members elected.

## III. LOCAL GOVERNMENT.

Each commune has a council to deliberate and decide, and a committee to administer all its affairs. The members of the council are elected for three (in Galicia for six) years. All who have a vote are eligible if of age. In the towns with special statutes a corporation takes the place of the communal committee.

District representative bodies are, in Styria (Steiermark), Bohemia, and Galicia, interposed between the communal bodies and Provincial Diets. They deliberate and decide on all affairs affecting the interests of the district (*Bezirk*). They consist of the representatives (1) of great estates, (2) of the most highly taxed industries and trades, (3) of the towns and markets, (4) of the rural communes (*Landgemeinden*). Members are elected for three years, in Galicia for six. A committee of this body (called the *Bezirksausschuss*) administers the affairs of the district.

## HUNGARY.

## I. CENTRAL AND PROVINCIAL GOVERNMENT.

The Constitution of the eastern part of the monarchy, or the kingdom of Hungary, including Hungary Proper, Croatia-Slavonia, and Transylvania, dates from the foundation of the kingdom, about 891. The first charter or constitutional code is the 'Bulla Aurea' of King Andrew II., granted in 1222, which defined the form of government as an aristocratic monarchy. The Hungarian Constitution has been repeatedly suspended and partially disregarded, until, at the end of the armed struggle of 1849, it was decreed to be forfeited by the nation. This decree was repealed in 1860; and the present sovereign, on June 8, 1867, swore to maintain the Constitution, and was crowned King of Hungary.

The Hungarian Reichstag (Országgyűlés) has legislative authority for Hungary, and for Croatia and Slavonia in matters which concern these provinces in common with Hungary. It consists of an Upper House (Főrendihár) and a Lower House (Képviselőház).

The House of Magnates, reformed by an Act passed in 1885, now includes all hereditary peers who pay 3,000 fl. a year land tax; 40 archbishops, bishops, and other dignitaries of the Roman Catholic and Greek Churches; 11 ecclesiastical and lay representatives of the Protestant Confessions; 82 life peers appointed by the Crown (a first batch of 50 was elected once for all by the House itself); 17 members *ex officio*, being State dignitaries and high judges; 3 delegates of Croatia-Slavonia; and lastly, the archdukes who have attained their majority. In the session of 1889-90 the number of archdukes was 20, and there were 286 hereditary peers holding the property qualification.

The Lower House or House of Representatives of Hungary is composed of representatives of the nation, elected by the vote of all male citizens, of 20 years of age, who pay a small direct tax on house property or land, or on an income varying with occupation; but in all cases very low. Certain large classes—professional, scientific, learned, and others—are entitled to vote without other qualifications. The number of the electorate, according to the last returns, was 821,241, or 1 in 18 of the population. New elections must take place every five years. By the electoral law in force in the session of 1889, the House of Representatives consisted of 453 members, of whom 413 were deputies of Hungarian towns and districts, and 40 delegates of Croatia and Slavonia.

Members of the Lower House receive 2,400 florins (200*l.*) a year, with an allowance of 800 florins (66*l.* 13*s.*) for house rent, and they travel by State and other railways at reduced rates.

The Reichstag is summoned annually by the King at Budapest. The language of the Reichstag is Hungarian; but the representatives of Croatia and Slavonia may speak their own language.

The executive of the kingdom is in a responsible ministry, consisting (January 1895) of a president and nine departments, namely:—

The Presidency of the Council—Baron Desiderius *Banffy*; appointed January 15, 1895.

1. The Ministry of Finance.—Dr. Ladislaus de *Lukács*; appointed January 15, 1895.

2. The Ministry of National Defence (Honved).—Baron Géza *Fejérváry*; appointed October 28, 1884.

3. The Ministry near the King's person (*ad latus*).—Baron Géza *Fejérváry*; appointed (*ap interim*) January 15, 1895.

4. The Ministry of the Interior.—Desiderius de *Perezel*; appointed January 15, 1895.

5. The Ministry of Education and of Public Worship.—Dr. Julius de *Wlassics*; appointed January 15, 1895.
6. The Ministry of Justice.—Dr. Alexander *Erdelyi*; appointed January 15, 1895.
7. The Ministry of Industry and Commerce.—Ernest de *Daniel*; appointed January 15, 1895.
8. The Ministry of Agriculture, Count Andor *Festetics*; appointed July 1894.
9. The Minister for Croatia and Slavonia.—*Emerich de Josipovich*; appointed August 23, 1889.

The Croatian-Slavonian Provincial Diet, meeting annually at Agram (Landtag), consists of 90 members, elected for five years, representing 21 town districts and 69 rural districts, and of members (not more than one-third) with *Virilstimmen*. The electors must have a low property qualification, be of certain professions, or pay a small tax. Members with *Virilstimmen* are certain ecclesiastical and political dignitaries, and the members of certain noble families (Magnaten) possessing the right by inheritance or by royal nomination. They must pay at least 1,000 fl. of land or property tax

## II. LOCAL GOVERNMENT.

In Hungary a distinction is observed between communes (Gemeinde), which are large or small, or may be townships with regular magistrates, and municipalities (Munizipien), which are regarded as communes of a higher order. The communal electoral right is possessed by every inhabitant over twenty years of age who for two years has paid the State tax. The representative body is composed half of members elected for six years, and half of persons who pay the highest taxes. The committee consists of members appointed, in the towns for six years, in the rural communes for three years, with officials appointed for life. The counties and towns invested with similar rights are independent municipalities. Each has its council constituted similarly to the representative body of the communes; but members are elected for ten years. All electors for the Reichstag are qualified to vote. In Budapest they must be able to read and write. The executive is in the hands of the official body of the municipality, who sit and vote with the council (Ausschuss).

In Croatia and Slavonia each county has an assembly (Komitats-Skuptschina) similar to the Hungarian local representative bodies. The electoral qualification is the same as for the Diet (Landtag). The municipalities within the county (except Agram and Essek) send delegates, and the higher county officials also sit and vote. In the rural communes the representative body is the council, elected for three years; in the towns for four years. In the former the executive is in the hands of the magistrates; in the latter, of the municipal council.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

The Austrian dominions—exclusive of the Turkish provinces of Bosnia and Herzegovina, which have been under the administration of Austria-Hungary since 1878, but have not as yet been formally incorporated with it—have an area of 622,310 square kilometres, or 240,942 English square miles, with a population at the census of December 31, 1890, of 41,231,342, or 171 per square mile.



The following is the civil population of Austria-Hungary at the three last censuses :—

—	Population	Absolute increase	Yearly increase per cent.
Austria			
1869	20,217,531	1,993,031	0·87
1880	21,981,821	1,764,290	0·76
1890	23,707,906	1,726,085	0·76
Hungary <sup>1</sup>			
1869	15,417,327	1,648,814	0·91
1880	15,642,102	224,775	0·13
1890	17,349,398	1,707,196	1·09

<sup>1</sup> Including Croatia and Slavonia.

The following table gives the area, and total number of inhabitants (civil and military), of the various provinces of the Monarchy, after the returns of the censuses of December 31, 1880 and 1890 :—

Provinces	Area : English square miles	Dec. 31, 1880	Population, Dec. 31, 1890			Popula- tion per sq. mile, 1890
			Male	Female	Total	
<i>Austria Proper :</i>						
Lower Austria . . .	7,654	2,330,621	1,307,913	1,053,886	2,661,799	347
Upper Austria . . .	4,631	759,620	388,762	397,069	785,831	169
Salzburg . . . . .	2,767	163,570	85,948	87,562	173,510	62
Styria . . . . .	8,670	1,213,597	635,967	646,741	1,282,708	148
Carinthia . . . . .	4,005	348,730	176,473	184,535	361,008	91
Carniola . . . . .	3,856	481,243	238,011	260,947	498,958	129
Coast land . . . . .	3,084	647,934	351,844	343,540	695,384	228
Tyrol and Vorarlberg	11,324	912,549	454,769	474,000	928,769	82
Bohemia . . . . .	20,060	5,560,819	2,821,989	3,021,105	5,843,094	291
Moravia . . . . .	8,583	2,153,407	1,087,340	1,189,530	2,276,870	264
Silesia . . . . .	1,987	565,475	288,908	316,741	605,649	305
Galicia . . . . .	30,307	5,958,907	3,260,433	3,347,383	6,607,816	218
Bukowina . . . . .	4,035	571,671	324,469	322,122	646,591	160
Dalmatia . . . . .	4,940	476,101	266,303	261,123	527,426	106
<b>Total, Austria . . .</b>	<b>115,903</b>	<b>22,144,244</b>	<b>11,689,129</b>	<b>12,206,284</b>	<b>23,895,413</b>	<b>206</b>
<i>Kingdom of Hungary :</i>						
Hungary (including Transylvania) . . .	108,258	13,812,446	7,548,758	7,683,401	15,232,159	139
Croatia and Slavonia .	16,773	1,905,295	1,104,322	1,096,655	2,200,977	130
Town of Fiume . . .	8	21,634	14,891	15,446	30,337	3,625
<b>Total, Hungary . . .</b>	<b>125,039</b>	<b>15,739,375</b>	<b>8,667,971</b>	<b>8,795,502</b>	<b>17,463,473</b>	<b>139</b>
<b>Total, Austria- Hungary . . . . .</b>	<b>240,942</b>	<b>37,883,619</b>	<b>20,357,100</b>	<b>21,001,786</b>	<b>41,358,886</b>	<b>171</b>

The ethnical elements of the population on the basis of language was as follows in 1890 :—

—	Austria 1890	Hungary 1890	—	Austria 1890	Hungary 1890
German .	8,461,580	2,107,177	Servian and Croatian .	644,926	2,604,260
Bohemian, Moravian & Slovak .	5,472,871	1,910,279	Italian and Ladin .	675,305	—
Polish .	3,719,232	—	Roumanian .	209,110	2,591,905
Ruthenian .	3,105,221	383,392	Magyar .	8,139	7,426,730
Slovene .	1,176,672	94,679	Gipsies .	—	82,256
			Others .	—	94,679

There were 193,710 foreign residents in Austria at the end of 1890, of whom 103,433 were Germans, 46,312 Italians, 18,149 Russians, 2,384 Turks, 6,777 Swiss, 2,261 British, 2,726 French, 1,729 Americans. These are exclusive of Hungarians, of whom there were 228,647.

Of the total population of Austria in 1880, 168,298 were dependent on occupations connected with learning; 99,015 on government service; 162,423 on military service; 6,161,246 on agriculture, forestry, &c.; 117,870 on mining and smelting; 2,157,098 on manufactures; 435,326 on commerce; 277,684 on incomes from land, pensions, &c.; 890,207 on domestic service; 882,599 on day labour; 46,291 on unknown occupation; and 10,746,187 were dependent members of families. Of the total population of Hungary in 1890 there were :—

—	Earning	Supported	Total
In occupations connected with learning . . . . .	128,663	291,476	420,139
Servants in occupations connected with learning . . . . .	36,426	70,506	106,932
Agriculture, forestry, &c. . . . .	4,474,653	6,410,791	10,905,444
Mining industry and communications . . . . .	1,210,473	1,719,716	2,960,189
Pensioners' Assistants . . . . .	129,362	104,334	273,696
Day labourers . . . . .	1,242,284	1,196,155	2,438,439
Soldiers, gendarmerie . . . . .	114,393	17,205	131,598
Other occupations . . . . .	44,381	52,261	96,592
Unknown occupations . . . . .	9,329	81,918	91,247
Supported by the Government . . . . .	—	69,515	69,515
	7,389,914	10,073,877	17,463,791

In Hungary in 1890 there were 891,072 proprietors of farms, 101,491 tenant farmers, 580,217 farm servants, 334,846 day

labourers, 1,619,128 domestic servants, while 11,686 were employed in other ways in agricultural operations. The total population of Hungary in 1890 consisted of: males, supporting, 5,354,341; supported, 3,199,441; females, supporting, 1,921,180; supported, 6,879,436.

Practically belonging to the Austro-Hungarian monarchy, though not incorporated with it by any treaty, is the small principality of Liechtenstein, enclosed in the Austrian province of Tyrol and Vorarlberg, with an area of 70 English square miles and a population in 1886 of 9,593 (4,897 males and 4,696 females), nearly all Roman Catholics. The inhabitants of the principality pay no taxes, nor are they liable to military service. The public debt amounts to 35,000 Austrian florins.

## II. MOVEMENT OF POPULATION.

### I. *Births, Deaths, Marriages.*

The following table exhibits, for the civil population, the number of births, deaths, and marriages, with the surplus of births, in both Austria Proper and the lands of the Hungarian Crown, for a quinquennial period, according to the latest official returns:—

#### *Austria Proper.*

Year	Total Births	Stillborn	Illegitimate	Marriages	Deaths	Surplus of Living Births
1888	915,702	25,801	135,761	185,991	686,573	203,328
1889	924,690	26,340	137,583	177,771	620,447	277,903
1890	894,356	25,421	128,702	178,906	696,342	172,593
1891	947,017	27,514	139,512	186,418	673,315	246,188
1892	897,290	26,712	135,032	187,707	693,421	177,857

The rate of illegitimacy varies from 43 per cent. in Carinthia, 27 in Salzburg, 25 in Lower Austria, 24 in Styria, 19 in Upper Austria, to 3½ per cent. in Dalmatia.

#### *Hungary.<sup>2</sup>*

Year	Total Births	Stillborn	Illegitimate	Marriages	Deaths <sup>1</sup>	Surplus of Births over Deaths
1887	758,231	13,151	61,819	151,511	568,533	176,547
1888	759,662	14,026	61,911	158,881	544,478	201,158
1889	767,884	12,904	61,468	140,524	512,852	242,128
1890	714,421	13,105	60,042	142,588	563,021	151,400
1891	756,204	14,002	63,426	150,720	580,222	175,982

The percentage of stillborn to total births in Hungary is about 1.7. The rate of illegitimacy is 8 per cent. of the whole—considerably less than in Austria.

<sup>1</sup> Excluding stillborn.

<sup>2</sup> Including Croatia, Slavonia, and Fiume.

*Emigration.*

The following are the emigration statistics of Austria-Hungary for five years:—

Year	Total Emigrants	To N. America	To Argentine
1888	48,567	41,665	2,333
1889	55,667	42,170	4,225
1890	74,002	63,119	1,918
1891	78,524	70,711	263
1892	74,947	69,930	552

According to United States statistics: the immigrants into the United States comprised in 1890, 38,125 Austrians and 24,994 Hungarians; in 1891, 43,163 Austrians and 27,548 Hungarians; in 1892, 37,247 Austrians and 32,683 Hungarians.

## III. PRINCIPAL TOWNS.

The following were the populations of the principal towns on December 31, 1890:—

AUSTRIA:—		Krakau . . . . .	76,025	Laibach . . . . .	30,691
Vienna . . . . .	1,364,548	Czernowitz . . . . .	57,403	Kolomea . . . . .	30,160
Prague . . . . .	184,109	Pilsen . . . . .	50,693	Budweis . . . . .	28,730
Trieste . . . . .	158,344	Linz . . . . .	47,560	Salzburg . . . . .	27,741
Lemberg . . . . .	128,419	Pola . . . . .	39,273	Tarnopol . . . . .	26,097
Gratz . . . . .	113,540	Przemysl . . . . .	35,619	Wiener-Neustadt	25,324
Brünn . . . . .	95,342	Reichenberg . . . . .	31,033	Aussig . . . . .	24,083
HUNGARY:—					
Budapest . . . . .	506,384	Fünfkirchen . . . . .	33,780		
Szegedin . . . . .	87,210	Klausenburg . . . . .	32,729		
Maria-Theresiopol . . . . .	72,683	Makó . . . . .	32,725		
Debreczin . . . . .	56,996	Békés-Csaba . . . . .	32,244		
Hód-Mező-Vásárhely . . . . .	55,483	Szertes . . . . .	30,758		
Pressburg . . . . .	52,444	Kronstadt . . . . .	30,724		
Kecskemét . . . . .	48,234	Miskolcz . . . . .	30,444		
Arad . . . . .	41,945	Félegyháza . . . . .	30,406		
Temesvár . . . . .	39,850	Kaschau . . . . .	29,196		
Grosswardein . . . . .	38,219	Fiume . . . . .	29,001		
Agram . . . . .	37,369				

**Religion.**

In Austria the relation of the State to the religious bodies is regulated by the statutes of December 21, 1867, and of May 25, 1868. In these the leading principle is religious liberty, the independence of the Church as regards the State, saving the rights of the sovereign arising from ecclesiastical dignity. Full liberty of faith and conscience is secured, and the enjoyment of civil and political rights is independent of religious profession. Every religious body legally recognised has the right of ordinary public worship, the management of its own affairs, and the undisturbed

possession of its premises, endowments, and funds for the purposes of worship, instruction, or charity. Recognised religious bodies in Austria are:—The Roman Catholic, Old Catholic, Greek-Oriental, Evangelical (Augsburg or Lutheran, and Helvetian or Reformed), the Evangelical Brotherhood, the Gregorian-Armenian, and the Jewish. The Minister for Ecclesiastical Affairs will grant legal recognition to any religious bodies if their doctrine, worship, constitution, and designation contain nothing illegal or immoral (Statute of May 20, 1874).

In Hungary there is perfect equality among all legally recognised religions. These are:—The Roman Catholic, the Evangelical (Augsburg and Helvetian), the Greek-Oriental, the Gregorian-Armenian, the Unitarian, and the Jewish. Each has the independent administration of its own affairs.

The following figures relate to 1890 and 1889:—

—	Austria, 1890	Hungary, 1889
Priests, secular:—		
Roman Catholic Church . . . . .	16,468	5,464
Greek Catholic Church . . . . .	2,582	2,463
Greek Oriental Church . . . . .	564	2,494
Members of orders:—		
Male . . . . .	7,770	2,029
Female . . . . .	13,554	2,246
Protestant clergy . . . . .	267	3,722
Jewish clergy . . . . .	—	769

The following table gives the division of the population according to religion on the basis of the census of 1890 for Austria and Hungary.

	Austria, 1890		Hungary, 1890	
	In 1,000's	per cent. of pop.	In 1,000's	per cent. of pop.
Roman Catholics . . . . .	18,934	79·2	8,820	50·84
Greek Catholics . . . . .	2,814	11·8	1,668	9·61
Armenian Catholics . . . . .	3	—	—	—
Old Catholics . . . . .	8	—	—	—
Greek Oriental . . . . .	545	2·4	2,632	15·17
Armenian Oriental . . . . .	1	—	—	—
Evangelical . . . . .	436	1·8	3,430	19·77
Unitarian . . . . .	—	—	61	0·36
Other Christian sects . . . . .	6	—	—	—
Jews . . . . .	1,143	4·8	725	4·18
Others . . . . .	5	—	12	0·07
Total . . . . .	23,895	100·0	17,348	100·00

### Instruction.

The educational organisation of Austria-Hungary comprises :—  
 (1) Elementary schools ; (2) Gymnasias and Realschulen ; (3) Universities and colleges ; (4) Technical high schools ; and (5) Schools for special subjects.

The progress of elementary education in Austria and in Hungary between the census of 1880 and that of 1890 is shown in the following statement :—

Population	Austria		Hungary	
	1880	1890	1880	1890
Read and write . . .	10,930,099	13,258,452	5,389,190	7,326,372
Read only . . .	1,345,781	1,031,624	911,557	557,854
Neither read nor write . .	9,858,364	9,605,337	9,341,355	9,465,172
	22,134,244	23,895,413	15,642,102	17,349,398

The erection of elementary schools is incumbent on the school districts. In both Austria and Hungary compulsory attendance begins with the completion of the sixth year ; in Croatia and Slavonia, of the seventh ; and continues in Austria generally, till the completion of the fourteenth ; but in Istria, Galicia, and Dalmatia, as also in Hungary, till the completion of the twelfth (Bukowina, thirteenth) year. Of these schools there are in Austria two grades ; in Hungary, three.

In the elementary schools in Austria the subjects taught are religion, reading, writing, language (Unterrichts-Sprache), arithmetic with elementary geometry, some branches of natural history and physics, geography, history, drawing, singing, gymnastics ; to girls, domestic duties. The cost of erecting and maintaining elementary and burgh schools, and the payment of the teaching staff, are defrayed in different ways in different places ; but the expense always falls ultimately on the communes or the land. In only a few special cases are elementary schools supported by the State.

The following figures show the latest statistics of school attendance, and the number of training colleges :—

—	Elementary Schools	Teachers	Pupils	Children of School Age	Training Colleges
Austria (1892) . . .	18,874	65,266	3,220,452	3,740,221	80
Hungary (1893) . . .	16,942	25,752	2,232,315	2,769,014	71

In Hungary there were besides, 729 institutions for the care of young children, 89 'humanistic' schools, and 30 prison schools with a total attendance of 70,283.

The Gymnasias and Realschulen are schools whose practical purpose consists especially in the preparation they supply for the universities and technical high schools. The curriculum of the former extends over eight years ; of the latter, over seven. They are, so far as they are public, maintained by the State, by separate provinces, by the larger communes, or (in the case of confessional schools) by ecclesiastical foundations, &c., eventually with a subvention from

the State. Private middle schools are included in the following table ; these are under the same regulations as public schools :—

1892	Gymnasia			Realschulen		
	No.	Teachers	Pupils	No.	Teachers	Pupils
Austria . . . . .	176	3,554	53,109	76	1,438	20,296
Hungary, except Croatia	153	2,558	41,873	33	672	9,355
Monarchy . . . . .	329	6,112	94,982	109	2,110	29,651

In Austria-Hungary there are eleven universities maintained by the State, each comprising four faculties—viz. theology, law, medicine, philosophy. In some of the smaller, however, the faculty of medicine, and in some that of theology, is absent.

Universities	Professors, &c.	Students	Universities	Professors, &c.	Students
Austria (1892) :			Czernowitz . . . . .	37	301
Vienna . . . . .	374	4,919	Total (Austria) . . . . .	1,150	13,383
Prague { German . . . . .	152	1,248			
{ Bohemian . . . . .	152	2,354	Hungary (1892) :		
Graz . . . . .	135	1,323	Budapest . . . . .	192	3,604
Cracow . . . . .	122	1,196	Klausenburg . . . . .	60	644
Lemberg . . . . .	73	1,193	Agram . . . . .	49	413
Innsbruck . . . . .	105	849	Total (Hungary) . . . . .	301	4,661

In addition to the universities there are in Austria 45 theological colleges, —viz. : 43 Catholic, 1 Greek Oriental, and 1 Protestant, with a total of 2,246 students ; in Hungary 55 theological colleges—viz. : 36 Catholic, 4 Greek Oriental, 14 Protestant, and 1 Jewish, with a total of 1,829 students. In Hungary there are 11 law schools with 815 students.

There are seven Government technical high schools for various branches of engineering and technical chemistry. In 1892 the numbers were :—

	Teachers	Students		Teachers	Students
Vienna . . . . .	94	789	Graz . . . . .	54	178
Budapest . . . . .	60	934	Lemberg . . . . .	50	177
Prague { Bohemian . . . . .	70	380	Brünn . . . . .	43	198
{ German . . . . .	47	189			
				418	2,845

There are besides 2,121 special technical institutes in Austria and 449 in Hungary, training in agriculture, industries of all kinds, art, music, mining, commerce, &c., with 152,706 students.

Included in these (1892) were 138 commercial schools in Austria and 98 in Hungary ; 749 industrial schools in Austria and 265 in Hungary ; 99 agricultural schools in Austria and 39 in Hungary ; 8 lower forestry schools, 6 schools of mining, 3 lower nautical schools, and 8 veterinary schools in Austria ; 9 art schools in Hungary, and 360 music schools in Austria.

In Hungary, by the Trade Law of 1884, every commune, where there are 50 or more apprentices, is bound to provide special instruction. The first schools were established in Budapest in 1887, and numbered 12, with 125

teachers and 5,173 pupils. In 1888 the numbers were 16 schools, 151 teachers, and 6,459 pupils. In the other towns and countries of Hungary there were 229 schools for apprentices, with 1,237 teachers and 38,081 pupils.

In 1891, 1,952 periodicals of various kinds were published in Austria, and 834 in Hungary. Of the former, 102 were daily papers.

In Hungary Proper 81.49 per cent. of the children were at elementary schools in 1889. In the Hungarian elementary schools the language of 1,037,399 children was Magyar, 308,538 German, 242,257 Roumanian, 270,396 Slovenian, 154,949 Servian, Croatian, Ruthenian, or other language. There were 100,099 Jewish children.

In 7,255 of the public elementary schools in Austria (1892) the language used was German; in 4,546 Czech (mainly in Bohemia and Moravia); and in 4,757, other Slav dialects; 830 Italian, 101 Roumanian, 3 Magyar; and in 419 more than one language. According to official statistics, 86 per cent. of the children of school age were attending school in Austria in 1892.

### Justice and Crime.

In Austria the ordinary judicial authorities are:—

(1) The Supreme Court of Justice and Court of Cassation (Oberste Gerichts-und Kassationshof) in Vienna. (2) The higher provincial courts (Oberlandesgerichte). (3) The provincial and district courts (Landes- und Kreisgerichte), and, in connection with these, the jury courts (Geschworenengerichte). (4) The county courts (Bezirksgerichte). Of these, the third and fourth groups are courts of first instance; the second group consists of courts of second instance. Courts of *first* instance act as courts of inquiry and have summary jurisdiction. Courts of second instance are courts of appeal from the lower courts, and have the supervision of the criminal courts in their jurisdiction. The jury courts try certain cases where severe penalties are involved, political offences, and press offences. The county courts exercise jurisdiction in cases of misdemeanour in the counties, and co-operate in preliminary proceedings regarding crime.

There are in all for Austria 68 provincial and 918 county or district courts.

There exist also special courts for commercial, revenue, military, and other matters.

In case of conflict between different authorities the Imperial Court (Reichsgericht) in Vienna has power to decide.

For Hungary with Fiume the judicial authorities are:—The Royal Court (Kuria) in Budapest, of the highest instance in all civil and criminal matters; 11 Royal Courts of Justice, of second instance. As courts of first instance, 65 courts (Gerichtshöfe), with collegiate judgeships; 384 county courts (Bezirksgerichte), with single judges; 10 jury courts (Geschworenengerichte), for press offences, besides an army special court.

Convictions	Austria			Hungary		
	1889	1890	1891	1887	1888	1889
Of crimes . . . . .	28,516	29,090	28,433	11,984	12,195	10,899
Of less serious offences . . . . .	4,936	5,512	6,127	73,396	78,354	75,964
Of misdemeanours . . . . .	542,714	536,301	550,271	281,212	314,700	—
Number of prisoners in penal establishments at end of year:						
Males . . . . .	9,319	9,226	8,986	5,345	5,660	—
Females . . . . .	1,436	1,334	1,334	572	582	—

There are 16 penal establishments in Austria for males, and 6 for females.



### Pauperism.

The right to poor relief is defined by an imperial statute, but the regulations for the apportionment of the cost are made by the separate provinces, and are consequently very various. The funds first available are those of the public institutions for the poor (Armeninstitutionen), derived from endowments, voluntary contributions, the poor's third of the property left by intestate secular priests, and certain percentages on the proceeds of voluntary sales. In some provinces the poor's funds are augmented from other sources, e.g. theatre money (Spectakelgelder), hunting licences, dog certificates, and in some large towns percentages on legacies over a fixed amount. When, in any given case, these funds are exhausted, the commune of origin (Heimatgemeinde) must make provision. Those who are wholly or partially unfit for work may be provided for in such manner as the commune judges propose. Besides poor's houses and money relief, there exists in many provinces, by custom or by constitutional rule, the practice of assigning the poor—in respect of board and lodging—to each of the resident householders in fixed succession.

In some provinces unions (Verbände) have been formed by statute to undertake certain burdens as to poor relief. By the erection of houses for forwarding vagrants to their proper communes (Schubstationen) a great step was taken towards the suppression of begging and vagrancy.

The following table shows the number of offices for the poor (Armeninstitutione) in Austria during the five years 1886-90, the number of persons relieved by them, and the amount distributed:—

Year	Institutes	Persons relieved	Distributed
			Florins
1887	10,488	290,674	4,517,204
1888	10,940	288,742	4,668,974
1889	10,961	281,467	4,609,262
1890	11,058	297,915	4,750,349
1891	11,351	310,645	4,984,938

Besides these there were, in 1891, 1064 *crèches*, Kindergartens, &c., with 114,364 children, 178 orphanages, &c., with 11,379 children, and 1820 poor-houses (Versorgungs-Anstalten), with 42,923 inmates. The expenditure for the orphanages and poor-houses alone was 4,413,686 florins, or 0·37 florin per head, per day.

### Finance.

There are three distinct budgets: the first, that of the Delegations, for the whole monarchy; the second, that of the Reichsrath, for Austria; and the third, that of the Hungarian Diet, for the Kingdom of Hungary.

#### I. WHOLE MONARCHY.

The cost of the administration of common affairs is borne by both halves of the monarchy in a proportion agreed on from time to time by the Reichsrath and Reichstag, and sanctioned by the

Emperor. By the agreement in force, the net proceeds of the common customs are deducted from the amount required; then 2 per cent. of the remainder is debited to Hungary; and, lastly, of this remainder 70 per cent. is paid by Austria, and 30 per cent. by Hungary. A common loan may be taken, and the floating debt, consisting of bills, is guaranteed jointly by both. The other debts are not regarded as common; but Hungary pays, on account of ordinary debt contracted before 1868, a yearly sum of 30,312,920 florins.

The following table shows the expenditure, and the sources from which the revenue was obtained, in thousands of florins, for the years indicated, those for 1893 and 1894 being the sanctioned estimates:—

—	Years							
	1870	1880	1889	1890	1891	1892	1893	1894
Expenditure . . . . .	109,119	115,760	147,344	140,910	142,529	148,733	141,144	145,248
Revenue from customs . . . . .	12,551	4,908	39,782	41,528	44,865	47,283	42,268	44,970
Proportional contribution of both parts of the monarchy:—								
Contribution of								
Austria . . . . .	67,598	76,044	71,799	68,175	66,998	69,389	67,819	69,202
Hungary . . . . .	28,970	34,808	32,864	31,206	30,666	31,761	31,042	31,676

The budget estimates for the 'common affairs of the monarchy' were as follows for the year 1895:—

Sources of Revenue	Florins	Sources of Revenue	Florins
Foreign Affairs . . . . .	116,500	Hungary's 2 per cent. . . . .	2,036,804
War and Marine . . . . .	2,555,510	Austria's quota . . . . .	69,862,372
Finance . . . . .	5,665	Hungary's quota . . . . .	29,941,017
Board of Control . . . . .	615		
Surplus from customs . . . . .	47,539,720	Total . . . . .	152,058,203

Branches of Expenditure	Ordinary	Extraordinary	Total
	Florins	Florins	Florins
Ministry of Foreign Affairs . . . . .	3,751,600	49,400	3,801,000
Ministry of War { Army . . . . .	118,501,466	14,525,872	133,027,338
Marine . . . . .	10,227,060	2,854,200	13,081,260
Ministry of Finance . . . . .	2,020,020	—	2,020,020
Board of Control . . . . .	128,585	—	128,585
Total . . . . .	134,628,731	17,429,472	152,058,203

For the administration of Bosnia and Herzegovina for 1894 the expenditure is estimated at 12,635,090 florins, and revenue 12,567,726 florins. There was besides an extraordinary estimate of 3,632,000 florins for 1895 for the expenses of the army in Bosnia and Herzegovina.

## II. AUSTRIA AND HUNGARY.

The following table shows the expenditure and revenue of Austria and Hungary in thousands of florins:—

	1880	1888	1889	1890	1891	1892
<b>AUSTRIA.</b>						
<i>Expenditure:—</i>						
Total in cash .	432,075	567,310	551,254	559,598	587,091	610,666
„ in bills .	41,303	115,975	89,134	88,457	88,416	125,535
<b>Total .</b>	<b>473,378</b>	<b>683,285</b>	<b>640,388</b>	<b>648,055</b>	<b>675,507</b>	<b>736,201</b>
<i>Revenue:—</i>						
Total in cash .	445,925	535,841	565,019	582,163	600,708	617,697
„ in bills .	37,428	129,072	89,134	88,457	88,416	125,535
<b>Total .</b>	<b>483,363</b>	<b>664,913</b>	<b>654,153</b>	<b>670,620</b>	<b>689,124</b>	<b>743,232</b>
<b>HUNGARY.</b>						
<i>Expenditure:—</i>						
Ordinary	272,981	319,031	323,796	377,877	370,299	377,877
Transitory	7,551	494,847	63,106	108,306	7,290	85,805 <sup>2</sup>
Investments	6,508				13,272	15,569
Extraordinary expenditure	2,609				6,647	6,981
<b>Total .</b>	<b>289,649</b>	<b>813,878</b>	<b>386,902</b>	<b>486,183</b>	<b>397,508</b>	<b>486,182</b>
<i>Revenue:—</i>						
Ordinary	214,822	341,971	373,223	403,333	391,724	403,333
Transitory	17,529	473,557 <sup>1</sup>	46,949	83,321	5,799	83,320
Extraordinary	84				—	—
<b>Total .</b>	<b>262,435</b>	<b>815,528</b>	<b>420,172</b>	<b>486,654</b>	<b>397,523</b>	<b>486,653</b>

<sup>1</sup> Increase due to special financial operations.

<sup>2</sup> The great sum of transitory revenue and expenditure is the result of the financial operation for the regulation of the standard of money. The gold buying of the government for this purpose represented 77 3 million florins.

*Austria Proper.*—The revenue and expenditure were given as follows in the sanctioned estimates for the year 1894 :—

Revenue	Florins	Expenditure	Florins
Ordinary		Ordinary	
Council of Ministers .	742,600	Imperial household .	4,650,000
Ministry of Interior .	1,071,352	Imperial Cabinet Chan- cery . . . . .	74,627
Ministry of Defence .	314,405	Reichsrath . . . . .	746,939
Ministry of Worship and Education .	6,157,204	Supreme Court . . . . .	22,400
Ministry of Finance :		Council of Ministers .	1,095,243
Administration . . . . .	3,294,849	Ministry of the Interior	18,458,896
Direct taxes :		Ministry of National Defence . . . . .	17,989,840
Land tax . . . . .	35,690,000	Ministry of Public Worship and Edu- cation :	
House tax . . . . .	30,813,000	Central Establish- ments . . . . .	1,758,145
Industry tax . . . . .	11,659,000	Public Worship . . . . .	7,282,450
Income tax . . . . .	28,978,000	Education . . . . .	14,196,609
Other taxes . . . . .	3,185,000	Ministry of Agriculture	14,108,253
Total direct taxes . . . . .	110,295,000	Ministry of Finance .	88,422,168
Customs . . . . .	43,404,777	Ministry of Justice .	21,307,820
Indirect taxes :		Ministry of Commerce	101,248,120
Excise . . . . .	110,815,080	Board of Control . . . . .	177,600
Salt . . . . .	21,497,875	Interest and sinking fund of public debt	158,488,038
Tobacco . . . . .	86,616,450	Management of ditto	606,400
Stamps . . . . .	20,542,000	Pensions and grants .	18,694,750
Judicial fees . . . . .	37,819,000	Subventions . . . . .	5,930,040
Lottery . . . . .	16,678,000	Cisleithan portion of the common expen- diture of the Empire, including War and Foreign Affairs . . . . .	107,875,608
Various . . . . .	2,571,500	Total ordinary expen- diture . . . . .	583,133,946
Total indirect taxes . . . . .	296,539,875	Extraordinary expen- diture . . . . .	37,700,065
State properties . . . . .	5,178,830		
Ministry of Commerce :			
Posts and telegraphs	36,825,000		
Railways . . . . .	83,554,750		
Various . . . . .	3,635,380		
Ministry of Agriculture :			
Forests and domains	5,001,960		
Mines . . . . .	7,910,921		
Various . . . . .	643,358		
Ministry of Justice . . . . .	1,077,000		
Various . . . . .	309,015		
Total ordinary revenue	605,956,276		
Extraordinary revenue	17,200,754		
Total revenue . . . . .	623,157,030	Total expenditure	620,834,011

The estimates of revenue for 1895 are 638,985,577 florins, and expenditure 636,527,870 florins.

*Hungary.*—The budget estimates for the year 1895 give the sources of revenue and branches of expenditure as follows :—

REVENUE.		
Ordinary revenue :	Florins	Florins
State debts . . . . .	3,600,391	Ministry of National Defence . . . . .
Ministry <i>ad latus</i> . . . . .	800	374,419
„ of the Interior . . . . .	1,351,220	Total of ordinary revenue . . . . .
„ „ Finance . . . . .	303,024,837	445,375,831
„ „ Commerce . . . . .	118,859,277	Transitory revenue . . . . .
„ „ Agriculture . . . . .	16,054,799	22,435,226
„ „ Instruction . . . . .		Grand total . . . . .
and Public Worship . . . . .	1,307,124	467,811,057
Ministry of Justice . . . . .	742,964	

EXPENDITURE.		
Ordinary expenditure :	Florins	Florins
Civil list . . . . .	4,650,000	Ministry for Croatia . . . . .
Cabinet chancery . . . . .	77,065	„ of the Interior . . . . .
Diet . . . . .	1,763,958	„ of Finance . . . . .
Quota of common expenditure . . . . .	26,504,967	„ of Commerce . . . . .
Pensions chargeable on the common exchequer . . . . .	34,554	„ of Agriculture . . . . .
Pensions (Hungary) . . . . .	7,902,431	„ of Instruction and Public Worship . . . . .
National debt . . . . .	126,945,391	9,589,288
Debts of guaranteed railways now taken over by the State . . . . .	13,671,747	Ministry of Justice . . . . .
Guaranteed railway interests . . . . .	578,928	„ of National Defence . . . . .
Administration of Croatia . . . . .	7,843,640	14,071,988
Accountant-General's office . . . . .	4,000	Total of ordinary expenses . . . . .
Minister-Presidency . . . . .	411,420	421,053,098
Ministry <i>ad latus</i> . . . . .	60,112	Transitory expenditure . . . . .
		20,046,853
		Investments, total of . . . . .
		20,095,195
		Extraordinary common expenditure . . . . .
		6,597,602
		Total . . . . .
		467,792,748

This shows a surplus of 18,309 florins. The estimates of the previous year were :—Revenue, 467,811,057 florins ; expenditure, 467,792,748 florins ; surplus, 111,688 florins.

### III. PUBLIC DEBT.

The following table shows the growth of the debt of the monarchy in thousands of florins :—

—	1880	1890	1892	1893
General debt . . . . .	2,755,828	2,761,667	2,788,405	2,759,930
Austria's special debt . . . . .	408,616	1,058,813	1,075,500	1,226,786
Hungary's „ „ . . . . .	1,093,834	1,793,484	2,061,392	2,077,250
Total . . . . .	4,258,278	5,613,964	5,925,297	6,064,006

There is, besides, a common floating debt amounting in December 1893 to 412,987,478 florins. The cost of the general debt in 1894 was estimated at 128,537,484 florins, of which 98,226,067 florins was borne by Austria, and 30,311,417 florins by Hungary. The cost of the special debt of Austria was estimated at 60,261,971 florins.

## Defence.

### I. FRONTIER.

Austria-Hungary lies in the heart of Europe. The total length of frontier is 5,396 miles. In the S. the frontier line towards the Adriatic Sea is 1,050 miles. The land frontier is formed in the W. by Bavaria, the canton of St. Gallen, Lichtenstein, the Canton Graubünden, and Italy; in the S. by Italy, Montenegro, Herzegovina, and Bosnia, Servia, and Roumania; in the E. by Roumania; in the N.E. and N. by Russia; in the N. by Prussia, and in the N.W. by Saxony. Natural frontiers are the Fichtel Mountains, the Böhmerwald, the Inn, and the Salzach towards Bavaria; the Saale, the Alps, and the Rhine towards St. Gall; the High Alps towards Graubünden and Italy; the Lago di Garda and Carnic Alps also towards Italy; towards Herzegovina and Bosnia, the Dinoric Alps, the Unna and Save; towards Servia, Save and Danube; towards Roumania, the Banat, Siebenburgen, and Bucovianian Carpathians; towards Russia, the Dniester and Vistula; towards Prussia, the Riesen and Iser Gebirge; towards Saxony, the Erzgebirge.

The following are the chief territorial defences:—In Bohemia: Josephstadt and Theresienstadt, fortified towns; in Galicia: Cracow, fortified and entrenched camp at Przemysl. Hungary and Transylvania: on the left of the Theiss, Karlsburg, Arad, and Temesvar; on the Danube, Komorn, Peterwardein, and Orsova; on the Drave, Essegg. Croatia: Brod, Gradiska, Karlstadt on the right of the Save. In Dalmatia are the coast fortifications of Zara, Ragusa, Cattaro, Sebenico, Budua, and Lissa island; in Istria, Pola, fortified naval harbour. The Alpine frontiers in Tyrol have numerous defences on all the routes, and also between Tyrol and the Adriatic. In Bosnia and Herzegovina are numerous old fortifications. The Austrian capital, Vienna, is undefended. Pola, the chief naval port, is strongly fortified, both towards sea and land, and has been recently enlarged, so as to be able to accommodate the entire

fleet. The arsenal of the imperial navy is also in Pola ; Trieste is the great storehouse, and there is also an arsenal of the imperial navy.

## II. ARMY.

The system of defence is, in Austria and Hungary alike, founded on the principle of universal military service (Austr. Statute 11 Ap. 1889, and Hung. art. vi. 1889). The armed force is organised into the Army, Navy, Landwehr, and Landsturm. The army and Landwehr have each, as an essential part, an Ersatz- (or supplementary) Reserve. Military service begins at the age of 21, but for the Landsturm, at 19. The duty of service continues :—(1) In the army : Three years in the line and 7 years in the reserve ; 10 years for those enrolled at once in the Ersatz-Reserve. (2) In the navy : Four years in the marines, 5 years in the reserve, and 3 years in the Seewehr. (3) In the Landwehr, i.e. in its Ersatz-Reserve : Two years for those who have been transferred to the Landwehr for the army, and 12 years for those at once enrolled. Then follow 10 years in the Landsturm. The marines and the Seewehr can (apart from periodical drill) only be called out by command of the Emperor.

The army consists of 15 army corps, most of which are organised in 2 divisions of infantry of 2 brigades ; 1 brigade of cavalry and 1 brigade of artillery with a train section. There are, in all, 31 divisions of infantry troops, comprising 63 brigades of infantry and 6 brigades mounted ; 4 divisions of cavalry troops, 18 brigades of cavalry, and 14 brigades of artillery. Chasseurs and pioneers are attached to the infantry as required.

The Landwehr, unlike the army and marines, which are common to the whole monarchy, is a special national institution in each separate part. In peace it is called out only for instruction and drill. The command of the Emperor is required for its mobilisation. (In Tyrol and Vorarlberg it cannot be ordered out of the province save in accordance with constitutional law.) From the Ersatz-Reserve men are drafted into the army and Landwehr in time of war. It includes many who are exempt from other compulsory service. Only one year's service in the army and Landwehr is required of those who have reached a certain standard in certain schools. The Landsturm is organised by statutes of 6 June, 1886, and Hung. art. xx. 1886. All citizens from the beginning of their 19th to the end of their 42nd year, who do not serve in the army, navy, Ersatz-Reserve, or Landwehr, belong to the Landsturm, as well as those transferred from the Landwehr. The Landsturm may be used for filling up gaps in the army and Landwehr, and is called out by command of the Emperor, and can be ordered beyond its own territory only in pursuance of a statute ; Tyrol and Vorarlberg have in this respect special regulations. With certain modifications the Austrian military organisation has been applied to Bosnia and Herzegovina.

The Austrian Landwehr consists of 23 regiments of infantry and 3 regiments of Tyrolean sharpshooters ; 6 regiments of Uhlans ; 1 section of mounted rifles in Dalmatia, and 2 squadrons of rifles in Tyrol. The Hungarian Land-

wehr consists of 28 regiments of infantry and 10 regiments of cavalry with pioneer and other troops.

The whole monarchy is divided into 108 recruiting districts, 102 corresponding to the 102 regiments of infantry, three districts (Tyrol and Vorarlberg) for the Tyrolean Chasseurs, and 3 in the Adriatic littoral for the marine. There are besides 4 recruiting districts in Bosnia and Herzegovina.

The yearly contingent of recruits for the army amounts to 103,100; from Austria 60,389; from Hungary 42,711; besides these is a yearly contingent, 23,010, for the Landwehr or Honvéd, the Austrian Landwehr contingent being 10,510, the Honvéd 12,500 (yearly) (Wehrgesetz Bill of Army of 1889).

The following table shows the actual strength (officers, men, and horses) of the Austro-Hungarian army on peace footing in 1895:—

—	Officers	Men	Total	Horses
Army—				
Staff . . . . .	2,606	4,301	6,907	—
Sanitary troops . . . . .	81	6,838	6,919	—
Establishments . . . . .	2,332	7,512	9,844	170
Infantry . . . . .	9,153	181,937	191,090	726
Cavalry . . . . .	1,982	46,864	48,846	39,453
Artillery—				
Field . . . . .	1,323	26,011	27,334	12,112
Fortress . . . . .	420	7,746	8,166	134
Pioneers, &c. . . . .	584	10,049	10,633	22
Train . . . . .	388	3,486	3,874	2,664
Austrian Landwehr—				
Infantry . . . . .	1,770	16,773	18,543	164
Cavalry . . . . .	236	1,882	2,118	1,370
Hungarian Landwehr—				
Infantry . . . . .	2,340	14,094	16,434	—
Cavalry . . . . .	230	3,314	3,544	3,101
Total . . . . .	23,445	330,807	354,252	59,916

On war footing the numbers are put at 45,238 officers, 1,826,940 men, and 281,886 horses, while the number of men who would be obliged to serve in the Landsturm is over 4,000,000. In peace the number of guns, exclusive of fortress artillery, is 1,048, in war 1,864. The infantry is armed with the Mannlicher rifle.

### III. NAVY.

The Austro-Hungarian navy is mainly a coast defensive force, maintained in a state of high efficiency, and including a flotilla of monitors for the Danube. It is administered by the Naval Department of the Ministry of War. The headquarters of the fleet are at Pola, and there are other establishments upon the Dalmatian coast. There has been a gradual increase in the naval expenditure, the votes of 1891 having been 11,550,941 fl., while the estimates for 1895 are 12,981,260 fl. The policy pursued is to reconstruct such of the old vessels as are capable of being adapted to modern requirements, and to replace others. Thus the estimates of 1895 include instalments



for three so-called "coast-defence" armour clads, A, B, and C, which are to take the place of the old ships *Habsburg*, *Lissa*, and *Kaiser Max* or *Prince Eugen*, as well as for completing the *Maria Theresia*, and laying down six seagoing torpedo boats. Rating the old ships named among the port-defence vessels, and including the ships actually in hand, the Austro-Hungarian fleet is thus constituted<sup>1</sup> :—

Battleships, 1st Class . . . . .	1	} 8
"    2nd " . . . . .	5	
"    3rd " . . . . .	2	
Port-Defence Ships (including the Danube Monitors) . . . . .	10	
Cruisers 1st Class (a) . . . . .	1	} 33
"    2nd " . . . . .	4	
"    3rd " (a) . . . . .	19	
"    "    " (b) . . . . .	9	
Torpedo Boats, 1st Class . . . . .	24	} 63
"    2nd " . . . . .	31	
"    3rd " . . . . .	8	
		114

The following table shows the armour-clad ships of the Austro-Hungarian navy in similar arrangement to that adopted for the British navy. The ships in italics are port defence vessels. The numbers following the names of the others indicate the classes to which they have been assigned in the foregoing table. Abbreviations:—*b.* broadside; *c. b.* central battery; *bar.* barbette; Q. F. quickfiring.

Description	Name	Launched	Displacement Tons.	Extreme armour inches	Armament	Torpedo ejectors	Indicated Horse Power	Nominal speed
<i>b.</i>	<i>Habsburg</i> . . . . .	1865	5,140	5	14 7-in., 4 3½-in., 2 2¾-in.	—	3,500	10·0
<i>c. b.</i>	<i>Lissa</i> . . . . .	1869	6,080	6	12 9¼-in., 4 3½-in., 2 2¾-in.	—	4,400	12·5
<i>c. b.</i>	<i>Kaiser</i> . . . . .	1871	5,810	6	10 9-in., 6 3½-in., 2 2¾-in.	3	3,200	12·0
<i>c. b.</i>	<i>Custoza</i> . . . . . 3	1872	7,060	9	8 10-in., 6 3½-in., 2 2¾-in.	4	4,400	14·0
<i>c. b.</i>	<i>Erzherzog Albrecht</i> . . . . . 3	1872	5,940	9	8 9¼-in., 6 3½-in., 2 2¾-in.	4	3,600	13·0
<i>c. b.</i>	<i>Kaiser Max</i> . . . . .	1875	3,550	8	8 8¼-in., 4 3½-in., 2 2¾-in.	4	2,700	12·5
<i>c. b.</i>	<i>Don Juan de Austria</i> . . . . .	1875	3,550	8	8 8¼-in., 4 3½-in., 2 2¾-in.	4	2,700	12·5
<i>c. b.</i>	<i>Prinz Eugen</i> . . . . .	1877	3,550	8	8 8¼-in., 4 3½-in., 2 2¾-in.	4	2,700	12·5
<i>c. b.</i>	<i>Tegetthoff</i> . . . . . 2	1878	7,390	14	6 11-in., 6 3½-in., 2 2¾-in.	2	5,000	14·0
<i>bar.</i>	<i>Erzherzog Rudolf</i> . . . . . 1	1887	6,870	12	3 12-in., 6 4¾-in., 2 2¾-in.	4	7,500	16·0
<i>bar.</i>	<i>Erzherzogin Stefanie</i> . . . . . 2	1887	5,660	9	2 12-in., 6 6-in., 2 2¾-in.	4	8,300	17·0
	"A," "B," and "C." 2	—	5,550					
RIVER MONITORS—								
	<i>Leitha</i> . . . . .	1871	310	13	2 6-in.	—	200	8·0
	<i>Maros</i> . . . . .	1871	310	13	2 6-in.	—	200	8·0
	<i>Körös</i> . . . . .	1892	448	—	2 4¾-in., 2 Q. F.	—	1,250	10·0
	<i>Szamos</i> . . . . .	1892	448	—	2 4¾-in., 2 Q. F.	—	1,250	10·0
FIRST-CLASS CRUISER—								
<i>ram.</i>	<i>Maria Theresia</i> . . . . .	1893	5,250	—	2 9¼-in., 6 6-in., 11 Q. F.	4	9,800	19·0

The sister ram-cruisers *Kaiser Franz Josef* and *Kaiserin Elizabeth* closely resemble the *Kaiserin und Königin Maria Theresia*, but being of less than

<sup>1</sup> For the system of classification adopted, see Introductory Table. Transports, training ships, and other like vessels are not included.

5,000 tons (actually 4,000) are not here counted as first-class cruisers. In the artillery column given above machine guns are not indicated.

Personnel.—The peace-footing in 1893-94 was as follows:—Officers and cadets, 620; petty officers and men, including the engineer ratings, &c., 7,500 sailors and 4,500 marines; auditors, doctors, chaplains, paymasters, shipbuilding engineers, &c., 445. Total, 8,538.

The Seewehr, corresponding to the Landwehr, was created in 1888, and the term of service in army and navy are now alike.

## Production and Industry.

### I. AGRICULTURE.

The interests of agriculture fall to the care of the ministry of that department, under which are numerous local organisations for the direction and encouragement of the industry, besides many private societies.

The cultivation of the soil is at the head of the industries of the monarchy, since (if we include the forests) it furnishes employment to nearly three-tenths of the population; and if family and house servants be included, the proportion rises to more than half the population in Austria, and still higher in Hungary.

According to an official statement of 1893 the ownership of land in Hungary was as follows:—

Ownership	Acres	Percentage of total area
State . . . . .	3,963,391	5·68
Foundation . . . . .	353,991	·51
Railways . . . . .	59,704	·10
Fideicommiss . . . . .	3,342,597	4·79
Districts and Parishes . . . . .	12,338,930	17·69
Companies . . . . .	617,615	·89
Church . . . . .	3,229,257	4·63
Educational . . . . .	189,145	·27
Private . . . . .	45,631,540	65·44
Total . . . . .	69,726,170	100·00

According to a statement of 1888 the size of properties in Hungary and the number of proprietors was:—

—	Number	Total Area. Acres
Under 43 acres	2,348,107	21,489,900
43 — 286 „	118,981	9,639,600
286 — 1,430 „	13,757	20,363,200
1,430 — 14,300 „	4,695	9,523,800
Over 14,300 „	231	5,619,900

As to the distribution of the soil, we have the following results taken from the latest official figures:—

	Percentage of total area		
	Austria	Hungary	Whole Monarchy
Arable and garden land . . . . .	36·7	42·58	38·9
Vineyard . . . . .	0·8	1·32	1·1
Pastures and meadows . . . . .	23·8	23·74	23·9
Woodlands . . . . .	32·6	26·84	30·2
Lakes and fishponds . . . . .	0·4	0·32	0·3
Total area subject to taxation . . . . .	94·3	94·70	94·4
Exempt from taxes . . . . .	5·7	5·30	5·6
Totals . . . . .	100·0	100·00	100·0

The following tables show, for Austria and Hungary, the area in thousands of hectares (2·47 acres) of the leading crops, the total produce in thousands of hectolitres (2·75 bushels dry, 22 gallons liquid measure), or of metre-centners (1·96, or nearly 2 cwt), and also the produce per hectare in hectolitres or metre-centners; excluding grasses of all kinds (for which see table, p. 360).

	Austria, 1893			Hungary, 1892		
	Area in 1,000 hectares	Produce in 1,000 hectolitres	Produce per hectare in hectol.	Area in 1,000 hectares	Produce in 1,000 hectolitres	Produce per hectare in hectolitres
						Hectolitres
Wheat . . . . .	1,120	15,386	13·7	3,064	50,239	16·40
Barley . . . . .	1,124	18,502	16·5	1,043	18,317	11·55
Oats . . . . .	1,842	31,503	17·1	1,009	22,007	21·91
Rye . . . . .	1,941	27,814	14·3	1,106	16,414	14·83
Pulse . . . . .	271	2,704	10·0	47	584	12·42
Buckwheat . . . . .	179	1,275	7·1	—	—	—
Maize . . . . .	359	5,468	15·2	2,089	41,075	19·65
Other cereals . . . . .	93	1,402	15·1	—	—	—
Total cereals	6,929	104,054	—	8,358	148,636	—
Potatoes . . . . .	1,108	83,428 <sup>1</sup>	75·3 <sup>1</sup>	457	40,101	87·66
Sugar beet . . . . .	269	49,234 <sup>1</sup>	183·0 <sup>1</sup>	72	13,368 <sup>1</sup>	184·34 <sup>1</sup>
Beet (other) . . . . .	167	23,202 <sup>1</sup>	138·9 <sup>2</sup>	131	30,058 <sup>1</sup>	229·54 <sup>1</sup>
Vineyards . . . . .	251	4,535	18·1	248	796	3·20
Tobacco . . . . .	4·3	60·2 <sup>1</sup>	14·0 <sup>1</sup>	40	535 <sup>1</sup>	13·37 <sup>1</sup>
Hops . . . . .	15·2	61·3 <sup>1</sup>	4·0 <sup>1</sup>	—	—	—
Hemp . . . . .	43·6	240·8 <sup>1</sup>	5·5 <sup>1</sup>	67	473 <sup>1</sup>	7·01 <sup>1</sup>
Rape . . . . .	27·7	215·7 <sup>1</sup>	7·8 <sup>1</sup>	52	345	10·38

Metre-centners.

The proportion of productive land in Austria is greatest in Dalmatia, Silesia, Moravia, Bukowina, Bohemia, and Galicia; least in Salzburg and Tyrol.

The following show the average produce of the leading crops in hectolitres per hectare for the ten years (1882-91) for Austria:—Wheat, 14·05; rye, 13·84; barley, 16·69; oats, 19·25; maize, 17·34; pulse, 10·29; potatoes, 98·91; wine, 16·40; sugar beet, 200·53 metre-centners. And for the three years 1890-92 for Hungary:—Winter wheat, 16·94; summer wheat, 12·42; winter rye, 14·70; summer rye, 13·02; winter barley, 21·50; summer barley, 17·99; oats, 21·19; maize, 20·58; pulse, 12·14; potatoes, 76·13; sugar beet, 176·28 metre-centners; wine (1881-90), 12·06.

Barley and wine are most largely exported, though in some years considerable quantities of wheat are also exported.

In Austria in 1890 there were 1,548,197 horses, 8,643,936 cattle, 3,186,787 sheep, 3,549,700 pigs, and 1,035,832 goats.

The total value of the Austrian live stock was estimated at 487 million florins. Both in Austria and Hungary the export of horses, cattle, and sheep far exceeds the imports.

Silk-culture, by the law of 1885, is exclusively in the hands of the Government. In Hungary, in 1892, 76,397 families were engaged in silk-culture, as compared with 1,059 in 1879. In 1892 the produce of cocoons was 970,248 kilogrammes, compared with 2,507 kilogrammes in 1879. The produce of cocoons in Austria in 1892 was 1,194,410 kilogrammes.

There are 115 agricultural institutions in Austria, with 4,024 pupils in 1894; 39 in Hungary, with 1,996 pupils.

## II. FORESTRY.

The administration of the forests and domains belonging to the State is in the hands of (a) the Administrators of Forests and Domains (the heads of husbandry); (b) the Direction of Forests and Domains; (c) the Ministry of Agriculture. Under the Administration of Domains and Forests is an extensive association of forestry officials, and schools of various grades for practical training in forestry.

The total area under forest in Austria (1892) is 9,775,722 hectares, and of this 6,851,000 hectares are under pines, and 1,417,000 hectares under other trees. In Hungary the total area is 9,183,000 hectares, of which 1,745,500 hectares are under pines, and 4,824,300 hectares under other trees. The forests are mostly situated in the Carpathians and the Alps, as also the central mountains of Austria-Hungary. In 1892 the Hungarian exports of timber and forest products amounted to 6,086,000 metric centners, valued at 24,176,000 florins, and the imports to 2,604,000 metric centners, valued at 8,914,000 florins.

## III. MINING.

Mines are worked for common coal chiefly in Bohemia, Silesia, Moravia, and Galicia; for brown coal in Bohemia, Styria, Upper Austria, Carniola, and Moravia. Iron ore is worked in Styria, Bohemia, Carinthia, Moravia, and Galicia; silver ore in Bohemia; quicksilver in Carniola; copper ore in Salzburg; lead ore in Styria, Galicia, Bohemia; zinc in Galicia, Carinthia, Tyrol, and Vorarlberg; sulphur in Bohemia, Tyrol, and Vorarlberg; manganese in Styria and Carniola; alum in Bohemia; graphite in Bohemia; petroleum and ozokerit in Galicia; while the largest production of salt is from Galicia, Upper Austria, and the Coast Land.

In mining (including the mines for rock-oil and wax) and metal works there were employed in Austria in 1892, 113,560 persons (100,609 men, 6,802 women, 5,982 juveniles, and 167 children); in smelting works 8,526 persons (7,948 men, 325 women, 252 juveniles, and 1 child); in salt works 10,429 persons (7,005 men, 1,108 women, 1,422 juveniles, and 894 children). In Hungary (1889) there were employed 48,173 persons in mining and smelting works; in salt works, 2,264.

The following table shows the value of the chief mineral and furnace products in thousands of florins:—

—	Common Coal	Brown Coal	Raw Iron	Lead	Quick-silver	Zinc	Silver	Copper	Total including others
Austria :									
1890 .	19,336	15,375	15,253	1,789	775	713	2,696	382	56,928
1889 .	26,648	22,861	23,577	1,402	1,537	1,101	3,157	584	58,940
1890 .	30,401	27,639	27,311	1,399	1,596	1,467	3,197	602	—
1891 .	32,685	30,769	24,881	1,206	1,384	1,375	3,219	585	—
1892 .	31,680	30,097	24,417	1,125	1,148	1,265	3,294	503	—
1893 .	33,550	34,049	24,186	1,104	1,068	1,213	3,330	568	—
Hungary :									
1890 .	4,168	2,784	5,729	251	36	99	1,570	602	18,623
1887 .	3,788	4,998	6,563	220	21	—	1,588	184	20,665
1888 .	4,051	5,156	7,129	279	26	—	1,498	239	21,691
1889 .	4,467	5,814	8,763	376	25	—	1,533	182	24,994
1890 .	4,831	6,835	11,338	13	20	—	1,597	157	28,880
1891 .	4,990	7,717	11,525	22	19	—	1,486	142	29,588

The total value of mining and furnace products in five years was as follows in Austria in florins:—

—	1889	1890	1891	1892	1893
Mining products	58,939,809	68,166,825	73,495,532	70,438,556	76,750,410
Furnace . . .	32,748,497	36,894,804	33,776,439	32,903,184	32,690,524

The following table shows the quantities and value of the leading minerals and of the furnace products of Austria in 1893 :—

Minerals	Metre-centners	Florins	Products	Florins
Salt of all kinds	3,116,515	20,440,426	Pig iron . . .	24,186,083
Common coal . . .	97,326,509	33,549,863	Silver . . . . .	3,330,265
Brown „ . . . . .	168,159,547	34,048,957	Lead . . . . .	1,103,840
Silver ore . . . . .	180,184	3,415,704	Zinc . . . . .	1,212,709
Iron „ . . . . .	11,091,115	2,482,191	Quicksilver . . .	1,068,515
Lead „ . . . . .	106,964	849,869	Copper . . . . .	568,221
Zinc „ . . . . .	305,310	465,230	Sulphuric acid . .	336,509
Quicksilver ore	762,154	735,493	Alum . . . . .	54,344
Graphite . . . . .	238,067	637,870	Iron vitriol . . .	27,934
Sulphur ore . . . . .	19,502	20,485		
Mineral colours	30,195	75,329		

#### IV. SEA FISHERIES.

Years	No. of Boats		Value caught		No. of Fishers	
	Summer	Winter	Summer	Winter	Summer	Winter
			Florins	Florins		
1892-93	3,342	3,147	1,499,127	1,039,504	12,518	11,731
1891-92	3,292	3,087	1,606,542	982,978	12,582	11,274
1890-91	3,303	2,831	1,518,483	966,678	12,524	10,653
1889-90	3,103	2,917	1,528,591	985,792	11,912	10,855
1888-9	3,036	2,682	1,359,837	967,400	11,311	10,082

#### V. MANUFACTURES.

In Austria, in the year 1890, there were employed in the various manufacturing industries 2,880,897 persons, of whom 2,144,606 were workmen and 99,128 labourers. Including families and domestic servants the total number of those dependent on the industries was 6,155,510. For the preparation of metals and the manufacture of metal wares there were 971 establishments with 99,353 work-people; for machinery 506 with 57,129 work-people; in the stoneware and glass industries there were 1,173 establishments with 72,547 work-people, 38,131 of whom were in Bohemia. The number of textile factories was 2,287 with 296,481 work-people, of whom 155,098 were in Bohemia. There were 3,047 factories for alimentary substances with 149,195 work-people, and 592 chemical factories with 33,264 work-people.

In the various textile industries there were employed 1,970 steam engines with a total of 113,281 horse-power. For cotton-spinning there were 153 establishments with 2,392,356 spindles, employing 33,815 work-people. For cotton-weaving there were 194 establishments with 47,902 power-looms, employing 48,384 work-people.

In 1892 there were 1,694 breweries, producing in the year 1891-92 15,151,357 hectolitres of beer, and 36,292 distilleries which produced in 1891-92 123,967,432 hectolitres of alcohol. In the same year there were 209 sugar factories with 68,558 work-people, and 28 tobacco factories with 33,079 work-people, the output for the year being 328,046 metric centners of raw tobacco.

In Hungary and Croatia the number of persons employed in the industries in 1890 was 913,010, or 5·26 per cent. of the population. Of these the most numerous were shoemakers, 62,864; smiths, 53,373; tailors (men), 46,938. Much of the industrial work is carried on in the homes of the people.

### Commerce.

The general commerce of the whole monarchy of Austria-Hungary, including Bosnia and Herzegovina, comprising imports and exports of merchandise, but not bullion, was as follows, in millions of florins, in the years indicated :—

Years	Imports	Exports	Years	Imports	Exports
	1,000,000 florins	1,000,000 florins		1,000,000 florins	1,000,000 florins
1870	439·9	395·4	1890	510·7	771·4
1880	613·5	676·0	1891	618·3	787·6
1885	557·9	672·1	1892	627·2	723·6
1889	589·2	766·2	1893	683·2	799·2

The following tables show the values of the leading articles of import and export in millions of florins :—

Imports	1890	1891	1892	1893
Cotton . . . . .	63·5	49·5	48·6	55·4
Wool . . . . .	39·7	37·1	36·1	35·2
Coffee . . . . .	38·0	38·9	35·9	43·1
Silk . . . . .	21·1	20·9	22·4	24·3
Tobacco, leaf . . . . .	15·6	16·7	20·5	21·8
Furs and hides, raw . . . . .	10·1	17·5	23·0	23·4
Tobacco, manufactured . . . . .	8·4	4·9	3·1	4·3
Woollen yarn . . . . .	17·9	17·7	19·4	17·1
Cotton yarn . . . . .	15·2	13·9	13·9	12·9
Leather . . . . .	12·6	15·3	16·2	17·1
Coal and coke . . . . .	25·7	24·4	24·3	29·0
Grain . . . . .	11·2	7·2	5·9	10·8
Silk goods . . . . .	12·2	12·1	12·6	12·6
Woollen goods . . . . .	9·6	12·0	12·7	12·2
Pigments and tanning materials . . . . .	11·4	10·9	11·9	9·7
Machinery . . . . .	18·1	17·6	18·7	19·4
Hardware and clocks . . . . .	11·4	12·7	12·2	12·5
Cattle . . . . .	11·6	16·7	11·2	9·8
Books and newspapers . . . . .	12·4	13·0	13·7	15·8

In Austria the values are fixed annually by a permanent commission, comprising officials and representatives of agriculture, sylviculture, trade and industry. In general, net values are taken for imports and gross values for exports, and they must be determined at the crossing of the frontier. The commission has to fix them according to the countries of origin or of destination, and only employ averages exceptionally. Quantities are declared, but the administration may, and in the case of imports always does, check the declarations. The weight declared is either net or gross, according to the tariff regulations. The recorded country of origin is that of production, and the country of destination is that where the goods are to be consumed. When the prime origin and ultimate destination are unknown the most distant points of transit are recorded.

Exports	1890	1891	1892	1893
Grain . . . . .	79·9	80·4	69·3	86·7
Timber . . . . .	61·7	63·5	55·6	59·0
Sugar . . . . .	65·4	83·0	74·0	97·1
Hardware . . . . .	27·5	21·6	23·7	22·2
Cattle . . . . .	35·8	37·1	31·4	31·2
Woollen goods . . . . .	22·5	16·9	17·3	20·2
Flour . . . . .	21·6	15·2	7·2	5·6
Glass and glassware . . . . .	15·4	19·0	18·3	17·7
Coal and coke . . . . .	32·5	34·3	29·2	30·4
Wood wares . . . . .	18·0	18·2	18·7	18·9
Wool . . . . .	20·0	11·9	9·1	11·1
Wine . . . . .	15·5	9·3	6·3	6·3
Iron and iron wares . . . . .	20·6	17·5	12·5	12·6
Paper and paper wares . . . . .	14·3	16·0	17·2	17·6
Minerals . . . . .	14·3	11·7	10·7	12·1
Gloves . . . . .	14·0	17·9	18·4	21·1
Eggs . . . . .	16·2	16·0	23·4	24·7
Feathers . . . . .	12·4	13·7	12·6	12·2
Linen yarn . . . . .	6·4	7·0	7·1	8·6
Leather wares (excluding gloves) . . . . .	8·2	11·8	9·5	10·6
Silk wares . . . . .	6·1	7·7	8·6	7·5

The value of gold, silver, and bullion exported in 1892 was 17,938,000 florins, and the imports 83,995,000 florins; in 1893 the exports were 20,079,852 florins, and the imports 150,878,210 florins.

The imports into and exports from Hungary alone for five years were as follows (in thousands of florins):—

—	1889	1890	1891	1892	1893
	1,000 florins	1,000 florins	1,000 florins	1,000 florins	1,000 florins
Imports . . . . .	459,478	485,487	502,780	519,384	513,696
Exports . . . . .	460,563	530,123	545,207	509,659	524,543

In 1893 the chief imports and exports were (in thousands of florins):—

—	Imports	Exports	—	Imports	Exports
	1,000 florins	1,000 florins		1,000 florins	1,000 florins
Cotton and cotton goods	66,680	5,701	Coal and other fuel . . . . .	16,093	26,494
Wool and woollen goods.	44,369	15,267	Iron and iron goods . . . . .	29,627	8,019
Silk and silk goods . . . . .	28,829	2,439	Haberdashery, &c. . . . .	28,299	5,356
Cereals, pulse, &c. . . . .	16,115	187,928	Scientific instruments, clocks, &c. . . . .	31,703	2,999
Oxen . . . . .	17,159	99,671			
Beverages . . . . .	27,588	29,616			

Of the imports 20·89 per cent. in value were raw material and 79·11 per cent. were manufactured; of the exports 64·72 per cent. in value were raw material and 35·28 per cent. manufactured.

The imports into Hungary from Austria were 416,986,000 florins, or 81·17 per cent.; the exports to Austria were 372,893,000 florins or 71·09 per cent. of



the whole. The imports from Germany were 28,141,000 florins, or 5·48 per cent. ; and the exports to Germany were 70,373,000 florins, or 13·42 per cent. of the whole. The imports from Great Britain (mostly cotton goods and tobacco) were 5,609,000 florins, or 1·09 per cent. ; and the exports to Great Britain (mostly flour) were 13,016,000 florins, or 2·48 per cent. of the whole. Other countries having considerable trade with Hungary are Servia, France, Switzerland, Italy.

From the Board of Trade returns the direct trade of Austria-Hungary with the United Kingdom is shown in the following table :—

—	1889	1890	1891	1892	1893
Imports into U. K. from Austria-Hungary . . . . .	£ 2,286,834	£ 1,728,337	£ 1,464,106	£ 1,237,634	£ 1,627,036
Exports of British produce to Austria-Hungary . . . . .	1,019,842	1,283,209	1,227,967	1,142,638	1,095,150

The staple articles imported into the United Kingdom from Austria are wheat flour, the total value of which in the year 1893 amounted to 743,934*l.*, and wood 81,625*l.* The principal exports of British produce to Austria are cotton manufactures (including yarn), 435,434*l.* ; iron, 60,843*l.* ; machinery, 74,482*l.* ; oil-seed, 83,923*l.* ; coals, 77,269*l.* ; woollen goods, 72,171*l.* ; copper, 20,610*l.* ; leather, 8,959*l.* ; hardware, 8,764*l.*, in 1893.

### Shipping and Navigation.

The following table shows the condition of the Austro-Hungarian mercantile service, including coasting vessels :—

Year	Steamers		Sailing Vessels	
	Number	Tonnage	Number	Tonnage
1880	113	63,970	8,079	267,468
1889	171	96,392	9,851	160,799
1890	173	97,852	10,207	152,716
1891	175	103,281	9,977	104,064
1892	187	106,556	10,577	136,064

The following tabular statement shows the strength of the commercial marine of Austria-Hungary on Jan. 1, 1893 :—

—	Number of vessels	Tonnage	Crews
Sea-going vessels . . . . .	321	196,647	4,899
Coasting vessels . . . . .	1,628	24,844	4,421
Fishing vessels, &c. . . . .	8,815	21,129	20,978
Total . . . . .	10,764	242,620	30,298

The progress of navigation is shown as follows for Austria alone :—

Year	Entered		Cleared	
	No.	Tonnage	No.	Tonnage
1880	47,045	5,911,885	46,907	5,913,720
1889	68,512	8,442,990	68,492	8,432,631
1890	66,271	8,773,713	66,527	8,759,632
1891	70,988	9,339,454	70,814	9,337,037
1892	77,635	9,094,863	77,457	9,082,491

Of the vessels entered, an average of 85 per cent. and 89 per cent. of the tonnage, and of the vessels cleared 85 per cent. and 89 per cent. of the tonnage were Austrian, Italy coming next, and Great Britain third.

At the port of Trieste alone in 1893, 7,845 vessels of 1,574,911 tons entered, and 7,843 vessels of 1,576,996 tons cleared. At the port of Fiume in 1893, 6,287 vessels of 987,000 tons entered, and 6,256 of 982,500 tons cleared.

## Internal Communications.

### I. RIVERS AND CANALS.

In 1892 the total length of navigable rivers and canals in Austria was : for rafts only, 2,384 miles ; for vessels and rafts, 1,706 miles ; total, 4,090 miles, of which 814 miles were navigable for steamers.

The total length of navigable rivers and canals in Hungary is 3,050 miles (for Danube navigation *see* under ROUMANIA).

The river traffic of the monarchy during five years was as follows :—

Year	Danube Steam Navigation Company					Austr. North-West Steam Navigation Company (Elbe)		
	Number of		Passengers (including military)	Goods and Luggage shipped, in metre-centners	Head of Living Animals shipped	Number of		Goods carried, in metre-centners
	Steam-boats	Tow-boats				Steam-boats	Tow-boats	
1887	190	729	3,446,083	17,095,980	11,797	36	166	4,040,213
1888	190	749	3,294,530	18,551,960	11,706	38	166	4,951,001
1889	189	765	3,387,100	19,250,430	3,717	40	166	5,307,483
1890	192	770	3,565,063	21,056,410	3,915	40	167	6,263,719
1891	190	769	3,369,297	19,827,380	—	41	164	6,528,473
1892	189	766	3,271,352	18,303,740	—	41	160	5,882,172

## II. RAILWAYS.

The following are railway statistics of Austria-Hungary for January 1, 1894 :—

	Austria	Hungary	Total
	Miles	Miles	Miles
State lines . . . . .	4,380	2,744	7,124
Companies' lines worked by the State . . . . .	2,477	3,663	6,138
Companies' lines worked by companies . . . . .	3,577	1,199	4,776
Total . . . . .	10,434	7,606	18,038

In Bosnia and Herzegovina there were, in 1893, 414 miles of railway.

The following table shows the growth in miles of Austro-Hungarian railways since 1877, and the total cost of construction in thousands of florins.

—	1877	1880	1888	1891	1892	1893
Length . . . . .	11,206	11,516	15,172	16,332	17,198	17,609
Capital expenditure in 1,000 florins . . . . .	2,761,152	3,035,574	3,660,501	2,788,302 <sup>1</sup>	—	—

The following table shows the traffic on the Austrian railways :—

—	1888	1889	1890	1891	1892
Passengers (in 1,000's) . . . . .	68,639	77,894	74,924	84,957	92,074
Goods carried (in 1,000 tons) . . . . .	86,990	95,518	84,371	84,557	85,272
Receipts (1,000 florins) . . . . .	269,285	286,031	243,801	231,549	224,939
Working expenses (1,000 florins) . . . . .	124,730	151,513	130,848	133,265	132,318

## III. POSTS AND TELEGRAPHS.

There were, in 1893, 5,299 post offices in Austria, and 4,421 in Hungary.

The work of the Post Office in Austria (1893) and Hungary (1892) was as follows :—

—	Austria, 1893	Hungary, 1892
	Number	Number
Letters and post-cards . . . . .	568,008,120	129,813,000 <sup>2</sup>
Samples and printed packets . . . . .	78,620,870	25,990,000
Newspapers . . . . .	70,898,600	78,565,000
	Florins	Florins
Receipts (posts and telegraphs) . . . . .	37,182,850	14,176,000
Expenses . . . . .	34,103,045	9,802,000

<sup>1</sup> Austria alone.

<sup>2</sup> Exclusive of letters official and post-free.

The following are the telegraph statistics of Austria and Hungary in 1893, and Bosnia and Herzegovina in 1892:—

—	Offices	Line	Wire	Messages
	No.	Miles	Miles	No.
Austria . . . . .	4,229	17,609	50,154	12,068,084
Hungary . . . . .	2,116	12,473	35,320	9,969,844
Bosnia and Herzegovina .	111	1,780	3,870	425,696

### Money and Credit.

The following table shows the issues from the Austro-Hungarian mint and the value of coin now in circulation:—

—		1889	1890	1891	1892	1893
		Florins	Florins	Florins	Florins	Florins
Gold	Four-ducat . . . . .	598,771	907,949	2,591,876	2,717,496	2,834,445
	Single-ducat . . . . .	1,606,982	1,794,528			
	Franz-Josefs . . . . .	1,706,447	361,458	3,394,795	2,086,107	—
	Twenty & ten-crown . . . . .	—	—	—	24,322,360	135,042,480
	Levantine thalers . . . . .	1,522,003	985,166	349,823	6,433,204 (3,470,000 pieces)	—
Silver	Two-gulden . . . . .	293,886	207,360	5,948,515	4,173,573	—
	Single-gulden . . . . .	5,052,537	4,163,886			
	Twenty - kreuzer . . . . .	—	—	—	125,000	37,255,001
	Ten-kreuzer . . . . .	551,906	624,116	665,137	296,520	—
Nickel	Twenty & ten-heller . . . . .	—	—	—	219,560	9,827,259
	Four-kreuzer . . . . .	—	—	—	—	—
Copper	One-kreuzer . . . . .	241,990	91,010	411,207	162,230	—
	Half-kreuzer . . . . .	10,000	—			
Bronze	Two and single-heller . . . . .	—	—	—	2,600	772,704
State notes in circulation		357,231,630	370,361,103	378,844,091	343,970,577	372,098,255
Austro-Hungarian bank-notes in circulation .		434,679,000	445,934,000	455,222,220	477,987,590	486,623,620

The only State bank is the Austro-Hungarian, formerly the National Bank. To secure a free loan, originally of eighty million florins, to the State, the bank, during the continuance of its privilege, has the exclusive right to issue bank-notes. This privilege lasts to December 31, 1897; and by that time the debt of eighty millions must be cleared off. Of the sum total of bank-notes in circulation, at least two-fifths must be covered by the supply of metal, silver or gold, coined or in bullion. The State, under certain conditions, takes a portion of the clear profits of the bank. From these profits, first 5 per cent. on the share capital is paid to the shareholders, of the remainder 8 per cent. is transferred to the reserve fund, and 2 per cent. to the pension fund, and the dividend to the shareholders may be made up to 7 per cent. Whatever still remains is divided into two portions, one of which goes to the shareholders and the other to the State, 70 per cent. to

Austria and 30 per cent. to Hungary. These last sums, however, are only applied to the reduction of the debt of eighty millions mentioned above.

The following are the statistics of the Austro-Hungarian Bank for five years, in thousands of florins :—

—	Liabilities					Assets				
	Capital	Reserve Fund	Note Circulation	Mortgages	Total including others	Cash	Dis-counted Bills, &c.	State Loan	Other Loans	Total including others
1889	90,000	18,965	434,679	104,469	682,349	241,445	178,881	79,003	111,363	682,349
1890	90,000	18,967	445,934	107,366	687,399	244,490	166,619	78,170	114,273	687,399
1891	90,000	18,952	455,222	110,872	701,283	245,931	190,189	77,419	116,798	701,283
1892	90,000	32,498	477,988	117,997	744,939	289,155	171,917	77,351	121,457	744,939
1893	90,000	32,472	486,624	121,276	762,814	278,285	171,699	76,987	125,262	762,814

The following are statistics for December 31, 1892, of the 52 Austrian and for 1890 of the 172 Hungarian joint-stock and private banks, in thousands of florins :—

## LIABILITIES.

—	Nominal Capital	Paid-up	Reserve	Bills, &c., in circulation	Credit Accounts current	Mortgages	Total, including others
Austria .	241,293	213,162	55,021	182,782	384,610	536,613	1,420,376
Hungary .	51,817	46,147	7,404	8,670	79,380	27,760	286,890

## ASSETS.

—	Bank and Credit Notes	Mortgage Loans	Debit Accounts current	Cash in hand	Total, including others
Austria . . .	212,471	535,693	413,788	33,022	1,420,376
Hungary . . .	81,600	70,760	60,540	6,950	286,890

There are, besides, 1,489 alliance banks in Austria, and 591 in Hungary. The following are the savings-bank statistics of Austria-Hungary :—

—	Austria			Hungary		
	1892	1891	1890	1891	1890	1889
No. of banks . . .	444	438	430	519	450	435
Depositors at end of year . . . . .	2,584,533	2,481,438	2,397,591	616,717	—	—
Amount deposited at end of year (1,000 fls.)	1,406,579	1,335,926	1,282,759	484,075	429,070	406,315

The following are the statistics of the post-office savings-banks :—

	Austria		Hungary	
	1892	1893	1892	1893
No. of banks . . .	4,917	5,095	3,867	3,895
Depositors at end of year . . .	934,812	994,977	188,660	211,330
Value of deposits at end of year, in florins . . .	72,019,757	83,093,809	5,968,000	7,418,000

### Money, Weights, and Measures.

By law of August 2, 1892, the monetary system of Austria-Hungary was reformed on a gold basis, though the standard coin, the crown (krone), is not coined in gold.

The new coins with English equivalents are—

Gold :—

The twenty-crown piece (weighing 6·775067 grammes '900 fine, and thus containing 6·09756 grammes of fine gold) = 16*s.* 8*d.*

The ten-crown piece = 8*s.* 4*d.*

The single ducat = 9 crowns 60 heller = 8*s.*

Silver :—

The single crown (weighing 5 grammes '835 fine, and thus containing 4·175 grammes of fine silver) = 100 heller = half-a-gulden of the old coinage = 10*d.*

The half-crown = 50 heller = 25 kreuzer = 5*d.*

Nickel :—

The twenty-heller piece = 10 kreuzer of the old coinage = 2*d.*

The ten-heller piece = 5 kreuzer of the old coinage = 1*d.*

Bronze :—

The two-heller piece = 1 kreuzer =  $\frac{1}{2}$ *d.*

The single heller piece =  $\frac{1}{2}$  kreuzer =  $\frac{1}{10}$ *d.*

Silver gulden or florins continue to be legal tender to any amount. Silver crown-pieces are accepted to any amount at Government offices, but in general circulation they are legal tender only up to 50 crowns. The notes of the State Bank are legal tender.

The metrical system of weights and measures is now legal and obligatory in Austria-Hungary. The old weights and measures are :—

The <i>Centner</i> = 100 <i>Pfund</i> = 56·06 kg.	= 123½ lbs. avoirdupois.
„ <i>Eimer</i> . . . = 56·50 litre	= 14·94 wine gallons.
„ <i>Joch</i> . . . = 5,754·64 square metre	= 1·43 acre.
„ <i>Metzen</i> . . . = 61·49 litre	= 1·7 imperial bushel.
(The <i>Klafter of wood</i> = 3·41 cubic metre = 120 cubic feet.)	
„ <i>Meile</i> = 24,000 Aus- trian feet . . . }	= 7,585·6 metres = { 8,897 yards, or about 4½ miles.

## Diplomatic Representatives.

### 1. OF AUSTRIA-HUNGARY IN GREAT BRITAIN.

*Ambassador*.—Count Francis Deym, accredited November 26, 1888.

*Councillor*.—Count Christoph Wydenbruck.

*Secretaries*.—Count Th. Bolesta-Koziebrodzki and Count Alexander Pálffy.

*Military Attaché*.—Major-General Prince Louis Eszterházy.

*Naval Attaché*.—Commander Leopold de Jedina.

*Chancellor*.—Baron Peter von Paumgarten.

*Consul-General*.—Baron A. de Rothschild.

There are Consular representatives at Cardiff, Dublin, Edinburgh, Glasgow, Hull, Liverpool (C.G.); Adelaide, Bombay (C.G.), Calcutta, Cape Town, Colombo, Durban, Hong Kong (C.G.), Melbourne, Montreal, Rangoon, Singapore, Sydney.

### 2. OF GREAT BRITAIN IN AUSTRIA-HUNGARY.

*Ambassador*.—Rt. Hon. Sir Edmund Monson, G. C. M. G., C. B ; Envoy to Greece 1888, Envoy to Belgium 1892 ; appointed Ambassador to Austria-Hungary, March 1893.

*Secretary*.—Hon. W. A. C. Barrington.

*Military Attaché*.—Lt.-Col. D. F. R. Dawson.

There are Consular representatives at Vienna (C.G.), Buda-Pest (C.G.), Fiume, Trieste, Lissa.

## BOSNIA AND HERZEGOVINA.

The Ottoman Provinces of Bosnia and Herzegovina were, by the Treaty of Berlin (July 13, 1878), handed over to the Austro-Hungarian Government for administration and military occupation. The direction of the administration of the two occupied provinces is exercised by the Bosnian Bureau, entrusted to the Imperial Finance Minister in Vienna in the name of the Emperor-King. The chief authority in the province itself, with its seat in Sarajevo, is the provincial government (*Landesregierung*), in three departments, for internal affairs, finance, and justice. For administration purposes there are 6 district (*Kreis*) and 48 county (*Bezirk*) authorities. The provincial government is provided with an advising body, composed of the ecclesiastical dignitaries of Sarajevo and 12 representatives of the populace. Similar councils are also provided for the district and county authorities. (For Finance see the common Budget of Austria-Hungary.)

Bosnia and Herzegovina contain six districts (*Kreise*), with an area of 23,262 square miles. The Sanjak of Novi-Bazar is occupied by an Austrian military force, though administered civilly by Turkey. In 1885 the population (without military) numbered 1,336,091 (705,025 males and 631,066 females); with military 1,360,000. Greek Oriental Christians, 571,250 ; Mohammedans, 492,710 ; Roman Catholics, 265,788 ; Jews, 5,805 ; others 538.

On January 1, 1888, population was estimated at 1,404,000. The nationality is Servian, only in the southern districts are Arnauts, and here and there gipsies. The most populous towns are the capital, Sarajevo, with (in 1885) 26,286; Mostar, 12,665; and Banjaluka, 11,357.

Of the whole population, 492,710 are Mahomedan, 571,250 are Oriental Greek, 265,788 are Roman Catholic, 5,805 are Jews.

There is 1 higher gymnasium, 2 gymnasia, 4 commercial schools, 943 elementary schools, with 1 Greek-Oriental, and 1 Roman Catholic seminary for priests, and 1 training college for teachers.

There is an upper court of justice in Sarajevo, the 6 district (Kreis) courts and the county (Bezirk) authorities as courts of first instance.

Agriculture is in a very low state of development, though the soil is very fertile. Maize, wheat, barley, oats, rye, millet and buckwheat, potatoes, flax, hemp, and tobacco are cultivated.

Both provinces have a superabundance of fruit. The vine is grown in Herzegovina, but the wine produced is insufficient for the local supply. Dried plums are the chief article of export. Cattle-grazing is important. Forest land occupies 45 per cent. of the whole area.

Minerals are abundant; mining is now carried on for iron and copper, manganese, chromium, antimony. There are salt-pits at Dolnja Tuzla.

In 1893 the imports amounted to 1,495,000*l.* (alimentary substances, 690,000*l.*, metal and machinery, 250,000*l.*); exports, 1,347,500*l.* (animals and animal products, 616,070*l.*, dried plums, 280,000*l.*, staves 135,000*l.*).

Bosnia and Herzegovina belong to the Austro-Hungarian customs territory. There are 500 miles of railway, and 1,780 miles of telegraph lines.

In 1892 there were transmitted 5,275,128 letters and postcards, and 1,621,319 packets of printed matter and samples.

Military service is compulsory over 20 years of age. The native troops comprise 12 infantry battalions (each of 4 companies), with a total of 4,515 men, on peace footing. The Austro-Hungarian troops of occupation have at present a strength of 28,648 men.

## Statistical and other Books of Reference.

### 1. OFFICIAL PUBLICATIONS.—AUSTRIA-HUNGARY.

- Almanach für die k. k. Kriegs-Marine, 1893. Pola, 1893.  
 Annuario Marittimo per l'anno 1894. Trieste, 1894.  
 Austria. Archiv für Consularwesen, Volkswirtschaft und Statistik. XLV. Jahrgang, 1894. Wien, 1894.  
 Bericht über die Tätigkeit des k. k. Ackerbau-Ministeriums in der Zeit vom 1. Januar 1881 bis 31. December 1886. Wien, 1888.  
 Bericht über Triests Handel und Schiffahrt im Jahre 1893. Triest, 1894.  
 Commercio di Trieste nel 1892. Dal Ufficio Statistico. Trieste, 1893.  
 Civilrechtspflege. Ergebnisse der im Jahre 1889. Vienna.  
 Das Ungarische Unterrichtswesen in den Studienjahren 1890-91 u. 1891-92. Aus dem Bericht des Ministers. Pest, 1893.  
 Das Handelsmuseum. Hgg. vom k. k. Handelsmuseum. Wien, 1894. Beilage: Commerzielle Berichte der k. u. k. Consular-Aemter.  
 Ergebnisse der Verzehrungssteuer im Jahre 1892. Zusammengestellt vom Finanzministerium. Wien, 1894.  
 Handbook of the Military Forces of Austria-Hungary. Prepared in the Intelligence Division of the War Office. 8. London, 1891.  
 Handbuch der Vereine für die im Reichsrathe vertretenen königreiche u. Länder, 1890, bearbeitet von der k. k. statistischen Central-Commission. Wien, 1892.  
 Hof- und Staatshandbuch der österreichisch-ungarnischen Monarchie für 1894. Wien, 1894.  
 Jahrbuch der Wiener k. k. Krankenanstalter. I. Jgg. 1892, 1893.  
 Jahrbuch. Militär-statistisches, für 1893. Hgg. vom k. k. Kriegsministerium. Wien 1894.



- Jahrbuch, Statistisches, der Stadt Wien für das Jahr 1892. Bearbeitet von Sedlacek und Löwy. Wien, 1894.
- Mittheilungen des k. Ung. Ministeriums für Ackerbau, Industrie und Handel. Monatsheft. Budapest, 1892.
- Nachrichten über Industrie, Handel und Verkehr aus dem statistischen Departement im k. k. Handels-Ministerium. Wien, 1894.
- Navigazione e commercio in porti Austriaci nel 1892. 4. Trieste, 1894.
- Oesterreichische Statistik. Bearbeitet von der k. k. Statistischen Central-Commission. Wien, 1880-94.
- Oesterreichisches Städtebuch. Statistische Berichte der grösseren Oesterreichischen Städte. Redigirt unter Mitwirkung des Präsidenten der k. k. Statistischen Central-Commission, Dr. Karl Theodor Inama von Sternegg. Wien, 1894. V Jahrgang.
- Oesterreichisches Statistisches Handbuch. 12<sup>ter</sup> Jahrgang, 1893. Wien, 1894.
- Statistisches Handbuch der Osterr.-Ung. Monarchie. Neue Folge. Wien, 1891.
- Reichsgesetzblatt. Jahrgang, 1894.
- Statistik über den Zustand und die Amtsthätigkeit der Finanzwache im Jahre 1891. Vom k. k. Finanzministerium. Wien, 1892.
- Statistische Mittheilungen über die Verhältnisse Galiziens. Hgg. vom Statist. Bureau des Galizischen Landesausschusses. Redigirt von Pilat. XIV. Band. Lemberg, 1893.
- Statistische Monatsschrift. Herausgegeben von der k. k. Statistischen Central-Commission. XX. Jahrgang. Wien, 1894.
- Statistisches Jahrbuch des k. k. Ackerbau-Ministeriums für 1893. I. Wien, 1894.
- Tafeln, statistische über die Änderungen in der Vertheilung des Grundbesitzes in Böhmen, hgg. vom böhm. Landesausschusse.
- Ungarns Waaren-Verkehr. . . für das Jahr 1892. Budapest, 1893.
- 'Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893.' Imp. 4. London, 1894.
- Hertslet (Sir Edward), Foreign Office List. Published annually. London.
- Protocols of Conferences held in London respecting the Navigation of the Danube. London, 1883.
- Reports from the British Consular and other Officers in Austria-Hungary for 1892, in 'Diplomatic and Consular Reports.' London, 1893.
- Publikacije Statističkoga ureda kr. hrv. dalm. zemaljsk<sup>o</sup> v<sup>l</sup>ade. I.-XVII. U Zagrebu, 1876-92.
- Ungarische statistische Mittheilungen. Neue Folge. Band II. Handel, 1893.
- Ungarisches statistisches Jahrbuch neue Folge. I. Budapest, 1894.
- Volkszählung, Ergebnisse der vom 31 December, 1890. Vienna.

## 2. NON-OFFICIAL PUBLICATIONS.—AUSTRIA-HUNGARY.

- Baedeker's* Handbook for Southern Germany, Austria, Hungary, and Transylvania. Leipzig, 1891.
- Batty* (B.), Moravian Schools and Customs. 8. London.
- Beer*, Die Finanzen Oesterreichs im 19. Jahrhundert. Prag, 1877.
- Brachelli* (H. F.), Statistische Skizze der Oesterreichisch-Ungarischen Monarchie. 13. Auflage. 8. Leipzig, 1892.
- Chavanne* (Dr.), Physikalisch-statistischer Handatlas der Oesterr.-Ungar. Monarchie. Wien, 1882-88.
- Chronik, Volkswirtschaftliche, von Oesterreich-Ungarn, 1887. Hgg. von Blau. Wien, 1888.
- Clarke* (Ernest), Agricultural Administration in Austria-Hungary, 'Journal of the R. Agricultural Society,' January, 1891.
- Compass, finanzielles Jahrbuch. Gegründet von Leonhardt, 1889. Hgg. von Heller. Wien, 1890.
- Czoernig* (Freiherr von), Ethnographie der Oesterreichischen Monarchie, 3 vols. Wien, 1855-57.
- Entwicklung von Industrie und Gewerbe in Oesterreich, 1848-88. Hgg. von der Commission der Gewerbe-Ausstellung. Wien, 1888.
- Export-Compass, 1890. Hgg. von Dorn, 1890.
- Ficker* (A.), Die Völkerstämme der Oesterreichisch-Ungarischen Monarchie. 8. Wien, 1869.
- Gerrard* (E.), Transylvania: The Land beyond the Forest. London, 1888.
- Jackson* (T. G.), Dalmatia, the Quarnero and Istria. 3 vols. 8. London, 1893.
- Hoek*, Statistisches Handbuch für Kärnten. Jahrgang I. Klagenfurt, 1886.
- Hönig*, Die öst. ung. Lebensversicherungsgesellschaften, 1888. Wien, 1889.
- Hunfalvi* (Dr. J.), A magyar-osztrák birodalom földrajza. 8. Pesth, 1886.
- Karpeles* (B.), Moravian and Silesian Miners. Statistical inquiries into their Social and Economic Condition. Vol. I. London, 1894.
- Kay* (David), Austria-Hungary. London, 1886.

- Konta* (Ignaz), Eisenbahn-Jahrbuch der Oesterreichisch-Ungarischen Monarchie. 21. Jahrgang. Wien, 1891.
- Lang*, Statistik der Bevölkerung Ungarns. Budapest, 1885.
- Léger* (L.), Histoire de l'Autriche-Hongrie, depuis les origines jusqu'à l'année 1878. 12. Paris, 1879.
- Lévy* (Daniel), L'Autriche-Hongrie, ses institutions, &c. Paris, 1872.
- Löher* (F. von), Die Magyaren und andere Ungarn. 8. Leipzig, 1874.
- Lorenz* (J. R. v.), Atlas der Urproduction Oesterreichs. Wien, 1878.
- Mandello* (Dr. Karl), Rückblicke auf die Entwicklung der Ungarischen Volkswirtschaft Budapest, 1871-1893.
- Marbeau* (Edouard), Slaves et Teutons. Paris, 1882
- Mazuchelli* (N. E.), Magyarland. 2 vols. London, 1891.
- Monarchie. Die öst. ung. in Wort und Bild auf Anregung des Kronprinzen Rudolf. Wien, 1886-90. Lieferung 1-116.
- Murray's Handbook for South Germany and Austria*. Two Parts. 8. London.
- Neményi* (A.), Das moderne Ungarn. Berlin, 1880.
- Oesterreichisch-Ungarische Revue. Jahrgang 1894. Redigirt von J. B. Meyer. Wien, 1894.
- Patterson* (Arthur J.), The Magyars; their Country and its Institutions. 2 vols. 8. London, 1870.
- Peez* (Dr. Alexander), Oesterreich und der Orient. 8. Wien, 1875.
- Pollack*, Die Böhmische Braunkohle in den letzten 25 Jahren, chronologisch-statistische Tafel. Vom Jahre 1861 bis 1885. Teplitz (s.a.).
- Prigl*, Ortslexicon für die Königreiche Kroatien und Slavonien. Nach amtlichen Quellen. Essek, 1888.
- Reclus* (Elisée), Nouvelle Géographie Universelle. Vol. III. 8. Paris, 1878.
- Romstorfer* und *Wiglitzky*, Vergleichende graphische Statistik in ihrer Anwendung auf das Herzogtum Bukowina. Wien, 1886.
- Statistik d. öst. ung. Aktiengesellschaften. Aus dem 'Aktionär,' 1888-89. Frankfurt, 1890.
- Strigl*, Statistische Notizen für Oesterreich. II. Wien, 1888.
- Sturm* (Albert), Uj Országgyűlési Almanach. Budapest, 1887.
- Ulbrich*. Handbuch der österreichischen Verwaltung. Wien, 1887-89.
- Vámbery* (A.), Der Ursprung der Magyaren. Leipzig, 1882. Hungary. In "Story of the Nations" Series. 8. London, 1887.
- Werkowitsch*, Das Land Vorarlberg, Denkschrift. Innsbruck, 1887.
- Whitman* (Sidney), The Realm of the Habsburgs. 8. London, 1893.
- Wirth* (Max), Ungarn und seine Bodenschätze. Frankfurt-on-Maine, 1785.
- Worms* (Baron Henry de), The Austro-Hungarian Empire. 8. London, 1877.
- Yriarte* (C.), La Dalmazia. 8. Milan, 1878.
- Zoričić*, Statistische Skizze der Königreiche Kroatien und Slavonien. Agram, 1885.

## BOSNIA AND HERZEGOVINA.

- Das Bauwesen in Bosnien und der Hercegovina, vom Baudepartement der Landesregierung in Sarajevo, 1887.
- Ortschafts- und Bevölkerungsstatistik von Bosnien und Hercegovina. Amtliche Ausgabe. 1885.
- Asboth* (J.), An Official Tour through Bosnia and Herzegovina. [Translation.] 8. London, 1890.
- Blau* (Dr. E. O. F. H.), Reisen in Bosnien und der Herzegovina. 8. Berlin, 1877.
- Evans* (A. J.), Through Bosnia and Herzegovina on foot. 8. London, 1876.
- Haardt* (V. von), Die Occupation Bosniens und der Herzegovina. 8. Vienna, 1878.
- Laveleye*, The Balkan Peninsula. London, 1887.
- Novibazar und Kossovo. 8. Vienna, 1892.
- Sainte-Marie* (E. de) L'Herzegovine. Paris, 1875.
- Schwarz* (Dt. B.), Aus den Osten; Reisenbriefen aus Ungarn, &c. 8. Chemnitz, 1876.
- Stillman* (W. J.), Herzegovina and the late uprising. London, 1877.
- Thoemmel* (Gustav), Beschreibung des Vilajet Bosnien. 8. Vienna, 1867.
- Yriarte* (C.), Bosnie et Herzegovine. 12. Paris, 1876.

## BELGIUM.

(ROYAUME DE BELGIQUE.)

### Reigning King.

**Leopold II.**, born April 9, 1835, the son of King Leopold I., former Prince of Saxe-Coburg-Gotha, and of Princess Louise, daughter of the late King Louis Philippe of the French; ascended the throne at the death of his father, Dec. 10, 1865; married, Aug. 22, 1853, to Queen *Marie Henriette*, born Aug. 23, 1836, the daughter of the late Archduke Joseph of Austria,

### *Children of the King.*

I. Princess *Louise*, born Feb. 18, 1858; married, February 4, 1875, to Prince Philip of Saxe-Coburg-Gotha, born March 28, 1844, eldest son of Prince August, cousin of the reigning duke, and of Princess Clementine of Orléans, daughter of the late King Louis Philippe of the French.

II. Princess *Stéphanie*, born May 21, 1864; married to the late Archduke Diédé Rudolf, only son of the Emperor of Austria and King of Hungary, May 10, 1881; widow January 30, 1889.

III. Princess *Clémentine*, born July 30, 1872.

### *Brother and Sister of the King.*

I. *Philippe*, Count of Flanders, born March 24, 1837; lieutenant-general in the service of Belgium; married, April 25, 1867, to Princess Marie of Hohenzollern-Sigmaringen, born November 17, 1845. Offspring of the union are three children living:—1. Princess Henriette, born November 30, 1870. 2. Princess Josephine, born October 18, 1872; married, May 28, 1894, to Prince Charles-Antoine of Hohenzollern. 3. Prince Albert, born April 8, 1875.

II. Princess *Charlotte*, born June 7, 1840; married, July 27, 1857, to Archduke Maximilian of Austria, elected Emperor of Mexico July 10, 1863; widow June 19, 1867.

King Leopold II. has a civil list of 3,300,000 francs.

The Kingdom of Belgium formed itself into an independent State in 1830, having previously been a part of the Netherlands. The secession was decreed on October 4, 1830, by a Provisional Government, established in consequence of a revolution which broke out at Brussels on August 25, 1830. A National Congress elected Prince Leopold of Saxe-Coburg King of the Belgians on June 4, 1831; the prince accepted the dignity July 12, and ascended the throne July 21, 1831. By the Treaty of London, Nov. 15, 1831, the neutrality of Belgium was guaranteed by Austria, Russia, Great Britain, and Prussia. It was not until after the signing of the Treaty of London, April 19, 1839, which established peace between King Leopold I. and the sovereign of

the Netherlands, that all the States of Europe recognised the Kingdom of Belgium.

### Constitution and Government.

According to the Constitution of 1831 Belgium is 'a constitutional, representative, and hereditary monarchy.' The legislative power is vested in the King, the Senate, and the Chamber of Representatives. The royal succession is in the direct male line in the order of primogeniture. By marriage without the King's consent, however, the right of succession is forfeited, but may be restored by the King with the consent of the two Chambers. The King's person is declared sacred; and his ministers are held responsible for the acts of the Government. No act of the King can have effect unless countersigned by one of his ministers, who thus becomes responsible for it. The King convokes, prorogues, and dissolves the Chambers. In default of male heirs, the King may nominate his successor with the consent of the Chambers. If the successor be under eighteen years of age, which is declared to be the age of majority, the two Chambers meet together for the purpose of nominating a regent during the minority.

According to the law amending the constitution, promulgated 7th September, 1893, the Senate consists of members elected for eight years, partly directly, and partly indirectly. The number of Senators elected directly is proportioned to the population of each province, and is equal to half the number of members of the Chamber of Representatives. The constituent body is similar to that which elects deputies to the Chamber, except that the minimum age of electors is fixed at thirty years. Senators elected indirectly are chosen by the provincial councils, two for each province with less than 500,000 inhabitants; three for each with a population up to 1,000,000; and four for each with over 1,000,000. No one, during two years preceding the election, must have been a member of the council appointing him. All senators must be at least forty years of age, and those elected directly must pay not less than 1,200 francs in direct taxes, or own immovable property in Belgium yielding an income of 12,000 francs. In provinces, however, where the number eligible for the Senate would be less than one in 5,000 of population, the list is extended to this proportion by admission of the most highly taxed. Sons of the King, or failing these, Belgian princes of the reigning branch of the Royal Family are by right Senators at the age of eighteen, but have no voice in the deliberations till the age of twenty-five years.

The members of the Chamber of Representatives are elected

directly. Their number is proportioned to the population, and cannot exceed one for every 40,000 inhabitants. They sit for four years, one half retiring every two years, except that after a dissolution a general election takes place. Every citizen over twenty-five years of age, domiciled for not less than one year in the same commune, and not legally disqualified, has a vote. Every citizen over thirty-five years of age, married or widower, with legitimate issue, and paying at least 5 francs a year in house tax, has a supplementary vote, as has also every citizen over twenty-five years of age owning immovable property to the value of 2,000 francs, or having a corresponding income from such property, or who for two years has derived at least 100 francs a year from Belgian funds either directly or through the Savings Bank. Two supplementary votes are given to citizens over twenty-five years of age who have received a diploma or certificate of higher instruction, or who fill or have filled offices or engaged in private professional practice, implying at least average higher instruction. Deputies must be not less than twenty-five years of age, and resident in Belgium. Each deputy has an annual indemnity of 4,000 francs (160%), and a free pass over Government railways between his home and the place of Session.

Under the new law there will probably be about 1,200,000 electors.

The Senate and Chamber meet annually in the month of November, and must sit for at least forty days; but the King has the power of convoking them on extraordinary occasions, and of dissolving them either simultaneously or separately. In the latter case a new election must take place within forty days, and a meeting of the Chambers within two months. An adjournment cannot be made for a period exceeding one month without the consent of the Chambers. Money bills and bills relating to the contingent for the army originate in the Chamber of Representatives.

The Executive Government consists of seven departments, under the following Ministers, appointed October 26, 1884, viz. :—

1. *President of the Council and Minister of the Interior and of Instruction.*—M. J. de Burtet.
2. *Minister of Finance.*—M. P. de Smet de Naeyer.
3. *Minister of Justice.*—M. V. Begerem
4. *Minister of War.*—General J. J. Brassine.
5. *Minister of Railways, Posts, and Telegraphs.*—M. J. H. P. van den Peereboom.
6. *Minister for Foreign Affairs.*—Count de Mérode.
7. *Minister of Agriculture, Industry, and Public Works.*—M. L. de Bruyn.

Besides the above responsible heads of departments, there are a number of 'Ministres d'Etat,' without portfolio, who form a Privy Council called together on special occasions by the sovereign. The acting ministers, as such, do not form part of the Privy Council.

*Local Government.*

The provinces and communes (2,603 in 1893) of Belgium have a large amount of autonomous government. The Provincial electors are the same as those who elect the senators directly. Communal electors<sup>1</sup> must be twenty-one years of age, and pay direct taxes of 10 francs annually. A certain degree of education, and the occupation of certain positions, entitle to vote without having to pay taxes. In the year 1892 there were 425,451 provincial and 547,550 communal electors. To be eligible to the Provincial or Communal Council, persons must be twenty-five years of age and domiciled in the province or commune. Half the Provincial Council is renewed every two years, and it meets fifteen days each year. There is a permanent deputation of six members elected, which is presided over by the Governor of the province. All provincial and communal interests, including local finances, are under the care of the Council, as far as they are not provided for in the general administration. The Communal Councils are elected for six years, half being renewed every three years. In each commune there is a college composed of the burgomaster, president, and a certain number of aldermen, corresponding to the permanent deputation of the Provincial Council, and both are the organs of the central administration.

**Area and Population.**

Belgium has an area of 29,455 square kilomètres, or 11,373 English square miles. The following table shows the population in the various census years since 1846, with the absolute increase and the rate per cent. of increase between each of these years:—

Census Years	Population	Total Increase	Increase per cent. per annum	Census Years	Population	Total Increase	Increase per cent. per annum
1846	4,337,196	—	—	1876	5,336,185	508,352	1·05
1856	4,529,461	192,265	·44	1880	5,520,009	183,824	·85
1866	4,827,833	298,372	·65	1890	6,069,321	549,312	·99

The kingdom is divided into nine provinces, the area and population of which were as follows at the census of December 31, 1890, and on December 31, 1893, with population per square mile at the latter date:—

Provinces	Area : Eng. sq. miles	Population		Population per sq. mile, 1893	
		Dec. 31, 1890	Dec. 31, 1893		
Antwerp (Anvers)	1,093	699,919	739,889	677·8	
Brabant	1,268	1,106,158	1,154,126	910·2	
Flanders	West	1,249	738,442	755,349	604·7
	East	1,158	949,526	970,398	838·0
Hainaut	1,437	1,048,546	1,072,012	745·7	
Liège	1,117	756,734	789,151	706·4	
Limbourg	931	222,814	226,997	243·8	
Luxembourg	1,706	211,711	213,155	124·9	
Namur	1,414	335,471	341,195	242·7	
Total	11,373	6,069,321	6,262,272	550·6	

<sup>1</sup> As the law at present stands; but these electoral qualifications are now under the consideration of the Legislature.

In 1893 there were 3,124,068 males and 3,138,204 females.

According to the census returns of 1890 there are 2,485,072 Belgians who speak French only; 2,744,271 who speak Flemish only; 32,206, German only; 700,997, French and Flemish; 58,590, French and German; 7,028, Flemish and German; 36,185 who speak all three languages; and 4,972 who do not speak any of the three.

The census returns for 1890 according to occupation are tabulated as follows:—

	Males	Females	Total
Mining and metal industries . . .	277,997	15,266	293,263
Industries connected with vegetable products . . . . .	226,818	35,442	262,260
Industries connected with animal products . . . . .	38,806	13,415	52,221
Mixed industries . . . . .	282,881	190,878	473,759
Commerce . . . . .	215,559	111,532	327,091
Professions and official occupations .	505,847	153,440	659,287
Various occupations and independent	509,261	362,246	871,507
<b>Total . . . . .</b>	<b>2,057,169</b>	<b>882,219</b>	<b>2,939,388</b>
Without profession or status . . .	1,151,093	2,199,592	3,350,685
<b>Grand total . . . . .</b>	<b>3,208,262</b>	<b>3,081,811</b>	<b>6,290,073</b>

The difference between the above total and that of the population of 1890 is no doubt accounted for by the fact that many persons are entered under more than one head. It is estimated that about 426,000 people are directly engaged in agricultural pursuits.

The following table gives the number of births, deaths, and marriages in five years:—

Year	Total Living Births	Still-born	Illegitimate (Living)	Illegitimate per 100 Births	Deaths	Marriages	Surplus of Births over Deaths
1889	177,542	8,410	15,603	8·77	119,726	43,759	57,816
1890	176,595	8,224	15,246	8·63	126,545	44,596	50,050
1891	181,917	8,582	16,007	8·80	128,786	45,449	53,131
1892	177,485	8,497	15,703	8·85	133,693	47,209	43,792
1893	183,062	8,636	16,086	8·79	125,530	47,065	47,532

The following table shows the immigration and emigration:—

	1889	1890	1891	1892	1893
Immigration . . . . .	22,150	21,458	20,741	21,774	21,686
Emigration . . . . .	23,190	21,675	18,994	22,532	22,117
Excess of immigration . . . . .	-1,040	-217	+1,747	-758	-431

The following are the populations of the most important towns, January 1, 1893 :—

Brussels and suburbs . . . . .	498,400	Verviers . . . . .	50,423	Namur . . . . .	31,457
Antwerp . . . . .	247,440	Bruges . . . . .	48,530	St. Nicolas . . . . .	28,487
Liège . . . . .	158,892	Louvain . . . . .	41,003	Alost . . . . .	26,454
Ghent . . . . .	153,803	Seraing . . . . .	35,278	Ostend . . . . .	26,414
Mechlin . . . . .	52,693	Tournai . . . . .	34,502	Mons . . . . .	25,114
		Courtrai . . . . .	31,319	Charleroy . . . . .	22,052

### Religion.

The Roman Catholic religion is professed by nearly the entire population of Belgium. The Protestants number only 10,000, while the Jews number about 4,000. The State does not interfere in any way with the internal affairs of either Catholic or Protestant Churches. Full religious liberty is granted by the Constitution, and part of the income of the ministers of all denominations is paid from the national treasury. The amount annually granted in the budget is about 4,800,000 francs to Roman Catholics; 85,000 francs to Protestants; and 16,300 francs to Jews; besides 60,000 francs for various ecclesiastical expenses. There are few endowments, and the clergy derive their maintenance chiefly from fees and voluntary gifts.

The kingdom is divided into six Roman Catholic dioceses and 185 deaneries; there are 5,622 Catholic churches and chapels of all kinds. In each diocese is an ecclesiastical seminary, and there are besides 10 smaller seminaries. At the census of 1890 there were 1,643 convents in Belgium, of which number 218, with 4,775 inmates, were for men, and 1,425, with 25,323 inmates, for women.

The Protestant Evangelical Church, to which belong the greater number of the Protestants in the kingdom, is under a synod composed of the clergymen of the body, and a representative from each of the congregations.

### Instruction.

There are four universities in the kingdom, three of them with four 'facultés,' or branches of study, and one, Louvain, nursery of the clergy, with five; Ghent and Liège are State universities, Brussels and Louvain free. The following table gives the number of students attending the various 'facultés' in each of the four universities in the academical year 1893-94:—



Universities	Students of					Total
	Theology	Jurisprudence	Philosophy	Medicine	Sciences	
Brussels . . .	—	255	152	544	230	1,181
Ghent . . .	—	99	67	175	102	443
Liège . . .	—	342	163	277	260	1,042
Louvain . . .	46	338	224	445	193	1,246

Attached to the universities are various special schools of engineering, arts, manufactures, mining, &c., with a combined attendance of 961 students in 1893-94. Other special schools are the Royal Academy of Fine Arts at Antwerp, with 1,409 students in 1893; schools of design, 14,744 students; royal conservatoires and other schools of music, 13,399.

The following are the statistics for the end of 1893 of the various classes of public schools:—

—	No.	Pupils	—	No.	Pupils.
Royal Atheneums and colleges . . .	34	7,269	Middle-class normal schools	4	143
Middle-class schools (male).	88	14,723	Primary normal schools . . .	49	2,656
Middle-class schools (female)	40	6,922	Primary schools.	5,778	652,039
			Infant „ . . .	1,321	133,833
			Adult „ . . .	1,796	69,471

Besides the above public schools there are many private or free schools—about 80 colleges, 65 middle-class schools for boys, 150 institutions for girls, besides many infant, primary, and adult schools, mostly under ecclesiastical care.

By a law of 1842 each commune was required to have at least one primary school, and in 1884 an act was passed by which the Government pays one-sixth, the province one-sixth, and the commune four-sixths of the expenditure. The total sum spent on elementary education in 1891 was 29,043,601 francs by State, provinces, and communes, and including fees, &c.

There were in the school year 1892-93, 59 industrial schools, with 16,502 pupils; they are subsidised by the State, provinces, and communes.

The proportion of the population above fifteen years who could not read or write at the census of 1890 was 26·9 per cent., and between seven and fifteen years 26·7 per cent. In the year 1894 there were 60,979 young men called out for military service, and of this number 8,750 could neither read nor write; 52,229 could simply read and write; and 631 for whom there is no return.

## Justice and Crime.

Judges are appointed for life by the King from lists prepared by the Senate and by the Court. There is one Court of Cassation for the whole kingdom. There are three Courts of Appeal, and there are Assize Courts for criminal cases. The country is divided into 26 judicial *arrondissements* or districts, in each of which is a Court of first instance. In each canton there is a justice of the peace, a police court, and a judge of the peace; there are 215 such cantons. There are, besides, special military, commercial, and other tribunals. There is trial by jury in all criminal and political cases. The *Gendarmerie* (2,510) and the *Garde Civique* are utilised for the maintenance of internal order.

The following table shows the number of criminals sentenced at the Assize Courts and Correctional Tribunals in the years stated:—

—	1870	1880	1888	1889	1890	1891
Assize Courts .	105	137	130	127	97	113
Correctional Tribunals .	22,255	34,108	40,273	40,753	40,275	43,660

The mean number of inmates of the various classes of prisons was:—

—	1870	1880	1889	1890	1891	1892
Central prisons .	2,029	824	845	860	941	1,036
Secondary ,, .	2,672	2,881	3,789	3,424	3,513	3,569
Reformatories .	550	1,005	923	905	139 <sup>1</sup>	57

<sup>1</sup> The correctional branch of the State charity schools annexed to the Ghent central prison. In 1891 the reformatories were classed as charities, and no longer figure as penal establishments.

## Pauperism.

Apart from private charitable associations, which are numerous, public charity is administered under precise regulations. The only public charitable establishments are refuges, *dépôts de mendicité*, or alms-houses, hospitals, and the *bureaux de bienfaisance*, the administrators of which are appointed by the Communal Councils, while the provinces of the State contribute to maintain certain classes of hospitals, refuges, or alms-houses, and asylums. It is the duty of the commune to furnish assistance to its paupers. The *bureaux de bienfaisance* received in donations and legacies 2,155,360 francs in 1890; 2,660,387 francs in 1891; 2,308,379 francs in 1892. Outdoor relief is provided under certain conditions. The statistics of the *dépôts de mendicité* for the reception of beggars and vagabonds (adults) were as follows:—

Year	Total Entries	Mean Population	Expenditure	Year	Total Entries	Mean Population	Expenditure
			francs				francs
1885	12,207	3,614	976,972	1890	17,124	4,644	1,246,004
1888	15,858	4,399	1,190,705	1891	18,253	4,378	1,148,603
1889	16,795	4,740	1,277,905	1892	6,813	3,564	919,112

## State Finance.

The ordinary and extraordinary revenue and expenditure of Belgium for the years stated are shown in the following table in thousands of francs :—

Years	Revenue			Expenditure		
	Ordinary	Extra-ordinary	Total	Ordinary	Special	Total
	1,000fr.	1,000fr.	1,000fr.	1,000fr.	1,000fr.	1,000fr.
1870	190,537	14,905	205,442	191,844	25,064	216,908
1880	291,921	102,294	394,215	292,009	90,899	382,908
1885	313,170	19,915	333,085	313,916	37,335	351,251
1888	333,052	13,615	346,667	314,284	41,309	355,593
1889	337,881	49,155	387,036	322,176	51,112	373,288
1890	340,526	37,878	378,404	335,231	82,663	417,894
1891	346,346	55,601	401,947	338,723	63,445	402,168
1892	347,264	66,781	414,045	341,004	64,906	405,910

The following table gives the details of the amended budget for the year 1895 :—

Ordinary Revenue	Francs	Ordinary Expenditure	Francs
Taxes, direct :—			
Property taxes . . . . .	24,955,000	Interest on public debt and sinking fund . . . . .	109,790,484
Personal taxes . . . . .	19,250,000	Civil list and dotations . . . . .	4,830,760
Trade licences . . . . .	6,900,000	Ministry of Justice . . . . .	20,256,487
Mines . . . . .	800,000	"    Foreign Affairs . . . . .	2,552,682
Taxes, indirect :—		Ministry of Interior and Public Instruction . . . . .	25,025,684
Customs . . . . .	25,840,570	Ministry of Public Works, &c. . . . .	17,670,003
Excise . . . . .	42,247,409	Ministry of Railways, Posts, and Telegraphs . . . . .	106,525,589
Succession duties . . . . .	19,525,000	Ministry of War . . . . .	47,229,652
Registration duties . . . . .	20,000,000	"    Finance . . . . .	16,282,495
Stamps . . . . .	6,050,000	Gendarmerie . . . . .	4,484,650
Various . . . . .	5,803,000	Repayments, &c. . . . .	1,545,000
Tolls :—			
Railways . . . . .	144,000,000		
Telegraphs . . . . .	6,000,000		
Post Office . . . . .	11,687,300		
Navigation and pilotage dues . . . . .	2,710,000		
Capitals & revenues :—			
Domains and forests . . . . .	1,725,000		
Unused amortisation fund, securities, national bank, &c. . . . .	16,115,700		
Repayments . . . . .	3,818,049		
Exceptional receipts . . . . .	300,000		
Total ordinary revenue . . . . .	357,727,028	Total ordinary expenditure . . . . .	356,193,486

The following table shows the total amount of the national liabilities of the kingdom in 1893 :—

	Francs
Share of the Netherlands debt at $2\frac{1}{2}$ per cent. . . . .	219,959,632
Loans at 3 per cent. . . . .	643,292,735
Loans at $3\frac{1}{2}$ per cent. . . . .	1,299,935,457
Floating debt (Treasury bonds) . . . . .	20,000,000
Total . . . . .	2,183,187,824

Almost the entire debt of Belgium was raised for and devoted to works of public utility, particularly the construction of State railways. There is a sinking fund attached to all descriptions of the debt, with the exception of the  $2\frac{1}{2}$  per cent. old debt.

The total debt amounts to about 15*l.* per head of population, and the annual charge to about 10*s.* 9*d.*; or, including civil and military pensions, &c., to about 12*s.* per head; but the interest is more than covered by the revenue from railways alone. The total exports of home produce average 10*l.* per head.

### Local Finance.

The provincial budgets for the year 1892 show a total revenue for all the provinces of 15,228,520 francs, and a total expenditure of 13,926,409 francs, thus leaving a surplus of 1,302,111 francs.

According to the communal budgets for 1892, the total revenues and expenditures of the communes were :—

	Francs.		Francs.
Ordinary revenue . . . . .	118,742,538	Ordinary expenditure . . . . .	117,144,576
Extraordinary revenue . . . . .	59,278,223	Extraordinary expenditure . . . . .	62,172,216
Total . . . . .	178,020,761	Total . . . . .	179,316,792

### Defence.

The maritime frontier of Belgium is 42 miles in length; the Dutch frontier, north and east, 282 miles; the German frontier, in the east, 60 miles; the Luxembourg frontier, in the east, 80 miles; and the French frontier, south and west, 384 miles. The chief military arsenal of the kingdom is Antwerp, where also are the fortified towns of Dendermonde and Diest. There are fortifications at Liège, Huy, and Namur on the Meuse, and at Mons, Tournai, and Ypres on the French frontier, and in 1887 an extensive scheme for the further fortification of the Meuse was resolved upon and is being carried out.

The standing army is formed by conscription, to which every able man who has completed his nineteenth year is liable, and also voluntary enlistment. Substitution is permitted. The annual contingent required is about 13,300 men. The legal period of service is eight years, of which, however, two-thirds are allowed, as a rule, on furlough. The country is divided into two

military circumscriptions or districts; the first comprising the province of Anvers and the two Flanders', and the second the rest of the country. There are military schools of various grades and several establishments for special military education.

The following is the composition of the Belgian army, apart from the general staff and the administrative and sanitary services:—Infantry: 1 regiment of carabineers, of 4 active and three reserve battalions, each of 4 companies and 1 dépôt; 1 regiment of grenadiers, 3 regiments chasseurs-à-pied, 14 regiments of the line, each of these three bodies of 3 active and 2 reserve battalions each of 4 companies and 1 dépôt; 2 sedentary companies; a corps of discipline and correction of 14 companies; a school for army cadets. Cavalry: 2 regiments of chasseurs, 4 regiments of lancers, 2 regiments of guides, each of 5 active squadrons and 1 dépôt. Artillery: A special staff; 4 field regiments, 2 of 8 mounted batteries and 2 batteries of reserve, and 2 of 2 horse batteries, 7 mounted batteries, and 2 reserve mounted batteries; 1 reserve munition battery and 1 dépôt; each field battery consists of 6 guns; 4 regiments of fortress artillery, 3 of 14 active batteries each, 2 reserve batteries, and 1 dépôt, and 1 regiment of 16 active batteries, 2 reserve, and 1 dépôt battery; 4 special companies—pontooners, artificers, mechanics, and armourers. Train, consisting of a staff and 7 companies. Engineers: A special staff; 1 regiment of 3 battalions each and 4 companies of sappers and miners, 1 battalion of reserve of 4 companies and a dépôt; 5 special companies, telegraphists, railway corps, &c. The following is the peace-strength of the Belgian army in 1893:—

	Officers	Rank and File	Total
Infantry . . . . .	1,928	25,972	27,900
Cavalry . . . . .	377	5,527	5,904
Artillery . . . . .	467	8,384	8,851
Engineers . . . . .	94	1,661	1,755
Gendarmerie . . . . .	61	2,449	2,510
Others <sup>1</sup> . . . . .	577	2,269	2,846
Total . . . . .	3,504	46,262	49,766

<sup>1</sup> General staff, train, administrative, military school, &c.

For the army there are 7,200 horses and 200 guns, and for the gendarmerie 1,636 horses. In time of war the total strength is 154,780 men, 14,000 horses, and 240 guns.

Besides the standing army, there is a 'Garde Civique,' numbering, March 31, 1893, 43,908 men, March 31, 1894, 42,732 men, organised as far as possible in the communes, and part of whose duties is to maintain the integrity and independence of the territory; it is only active in communes of over 10,000 inhabitants and in fortified places.

## Production and Industry.

### I. AGRICULTURE.

In each province of Belgium there is an Agricultural Commission appointed by the King; delegates from which, along with specialists, form a supreme council of agriculture. There are six special services connected with the department of agriculture, dealing with forestry, clearing and planting, irrigation, veterinary affairs, cultivation, and agricultural laboratories.

The tendency in Belgium is to a great subdivision of holdings; these increased from 572,550 in 1846, to 910,396 in 1880, the date of the latest statistics. At that date the holdings of various sizes were as follows:—Less than 1 hectare (2·47 acres) 594,376; from 1 to 5 hectares 226,088; from 5 to 10 hectares 48,390; from 10 to 20 hectares 25,893; from 23 to 50 hectares 12,186; above 50 hectares 3,403.

The area worked by owners increased by 94,650 hectares between 1866 and 1880. In 1880, 713,019 hectares were worked by owners, and 1,270,512 by farmers.

Of the 2,945,715 hectares which compose the area of Belgium, 67·34 per cent. are under cultivation, and 16·61 per cent. under forest, 7·88 per cent. uncultivated, the rest roads, marshes, rivers, &c. The population connected with agriculture in 1880 numbered 1,199,319, or 21·77 of the whole.

The soil is distributed as follows (in hectares) among various cultures (1880 the latest statistics):—Cereals, 934,663; peas, beans, &c., 33,093; sugar-beet, 32,627; flax, 40,078; other ornamental plants, 24,070; root plants, 36,153; potatoes, 199,357; grasses, 536,000; heaths, brushwood, land not regularly cultivated, &c., 231,964; fallow, groves, orchards, &c., 146,592; forests, 489,423. The principal cereals were wheat, 275,931 hectares; oats, 249,486; rye, 277,640. The mean product of these cereals in hectolitres per hectare, and of sugar-beet in kilogrammes per hectare, was:—

—	1889	1890	1891	1892	1893
Wheat (winter) . . .	24·70	24·79	20·43	26·72	23·89
„ (summer) . . .	20·12	21·02	22·80	22·80	20·32
Oats . . . . .	39·57	43·55	45·83	38·24	29·27
Rye . . . . .	23·05	25·10	19·69	28·24	24·37
Sugar-beet (kilos.)	39,456	31,553	27,192	30,511	35,182

In 1893 the yield of tobacco grown in Belgium was 2,573,664 kilogrammes.

The total value of agricultural products of every kind in 1880 was 1,412,224,000 francs; and of animal produce, 238,752,380 francs. The net revenue from forests alone in 1890 was 4,830,884 francs.

In 1880 there were 271,974 horses, 1,382,815 horned cattle, 365,400 sheep, and 646,375 pigs.

## II. MINING AND METALS AND OTHER INDUSTRIES.

There is a special department of the Ministry of Public Works for the administration of industry. There are a Superior Council of Industry, a Council of Mines, and a Council of Prud'hommes or specialists for advising the State as to the interests of various industries.

The number of quarries in Belgium in 1893 was 1,559, workmen 29,191. The number of workmen engaged in metallic mines in 1890 was 1,427; in 1891, 1,527; in 1892, 1,447; in 1893, 1,804. The quantity of iron ore produced in 1893 was 238,783 tons, valued at 1,172,700 francs. There were in 1892, 235 (in 1893, 226) coal mines in Belgium, of which 124 (in 1893, 125) were worked. The number of work-people in 1892 was 118,578 (in 1893, 116,861), of whom 2,676 were women (in 1893, 2,172), 6,956 boys (in 1893, 6,359), and 219 girls (in 1893, 44), working underground. The production of coal, and its value, were as follows:—

	1870	1880	1890	1891	1892	1893
Tons (1000)	13,697	16,886	20,366	19,676	19,583	19,411
Value in 1000 frs.	148,635	169,680	268,503	247,454	201,288	181,406

The quantity of iron ore imported in 1886 was 1,367,700 tons, in 1888 1,742,864 tons, in 1893 1,684,679 tons, mostly from Luxembourg.

The quantity and value of pig iron and manufactured iron produced were as follows :—

	1889	1890	1891	1892	1893
<b>Pig iron</b>					
Tons	832,226	787,836	684,126	753,268	745,264
Value (1,000 fr.)	44,491	50,073	38,318	38,716	36,052
<b>Manufactured iron</b>					
Tons	577,204	514,311	497,380	479,008	485,021
1,000 fr.	80,819	82,988	72,602	64,879	61,873
<b>Steel ingots</b>					
Tons	254,397	221,296	221,913	260,037	273,113
Million fr.	25,000	24,989	21,307	23,277	22,929
<b>Steel rails, &amp;c.</b>					
Tons	214,561	201,817	206,305	208,281	224,922
1,000 fr.	29,178	31,278	29,111	27,601	28,868

In 1893 there were 17 pig-iron works in activity and 4 unemployed; 30 blast furnaces active and 11 inactive; number of workmen, 2,881.

For the manufacture of iron there were 493 works active and 114 inactive; the number of workmen employed being 16,199. There were 31 steel works active and 13 inactive; with 3,403 workmen.

The value of the zinc produced in 1893 was 39,602,000 francs, and the workmen employed 4,112; value of lead, 3,076,000 francs; of silver from lead, 3,455,000 francs; number of workmen, 545.

In 1893 there were 120 sugar manufacturing establishments which turned out 190,312,000 kilogrammes of raw sugar, and 35 refineries giving an output of 49,348,000 kilogrammes. There were also 250 distilleries in operation, whose output was 584,370 hectolitres of alcohol at 50° G.-L.

The total number of persons directly employed in manufacturing industries of all kinds at the census of 1890 was 1,081,503, of whom 826,502 were men and 255,001 women. The number of employers comprised 154,923 men and 42,562 women.

In 1893 there were 336 vessels of 10,636 tons engaged in deep-sea fishery, and the value of the fish caught was 3,347,880 francs.

### Commerce.

The value of the general commerce in the year 1892 was, imports 2,817,674,833 francs, and exports 2,644,323,337 francs; 1893, imports 2,810,709,742 francs, and exports 2,590,261,736 francs. Of the general imports in 1893, those by sea were valued at 1,311,365,866 francs, and by land and river at 1,499,343,876

francs; of the exports, those by sea were valued at 1,117,368,985 francs, by land and river 1,472,900,000 francs. The following table shows the value of the imports for home consumption, the exports of Belgian produce and manufactures, and the transit trade, in millions of francs:—

—	1870	1880	1889	1890	1891	1892	1893
	Million frs	Million frs	Million frs	Million frs	Million frs	Million frs	Million frs
Imports	920·8	1,680·9	1,556·4	1,672·1	1,799·8	1,536·5	1,575·1
Exports	690·1	1,216·7	1,458·5	1,437·0	1,519·0	1,369·4	1,355·9
Transit	831·7	1,008·4	1,554·5	1,511·1	1,328·0	1,274·9	1,234·3

In Belgium a distinction, as regards valuation, is made between imports subject to *ad valorem* duties and other goods imported or exported. For the former, statistics are drawn up according to the values which have served as a basis for the calculation of the duties. For the others a commission of five members availing themselves of Bourse and official quotations, and of information supplied by the Chambers of Commerce, fixes average values—without regard to countries of origin or destination. For imports the official values comprise the first cost and cost of transport to the frontier, but not customs duties or excise; for exports, they consist of the cost at the place of production and the cost of transport to the frontier. The quantities of goods subject to duty are strictly scrutinised; but for goods free of duty, imports and exports, the declarations of the parties interested are generally accepted. When the gross weight is given an official tare is deducted. In the case of goods subject to *ad valorem* duty the administration has a right of pre-emption at the declared value increased by 10 per cent. when the importers disagree with the fiscal authorities and are unwilling to risk a reference of the dispute to experts.

The leading articles of special commerce were as follows in the year 1893:—

Imports	1,000 francs	Exports	1,000 francs
Cereals	254,276	Yarns, linen, wool, &c.	101,403
Textiles, raw	175,845	Coal, coke	96,555
Chemicals and drugs	88,921	Cereals	88,547
Timber	67,693	Textiles, raw	82,737
Resins, &c.	67,128	Sugar, raw and refined	80,692
Oil seeds	64,283	Machinery, carriages	70,715
Mineral substances	61,630	Tissues	61,403
Tissues, wool, cotton, silk	58,166	Chemicals, drugs	54,334
Coffee	53,616	Hides, raw and tanned	51,015
Hides, raw	52,166	Glass	49,438
Animals, living	50,877	Iron	46,131
Animal products	41,848	Steel	38,168
Metals	40,797	Zinc	32,606
Yarns, linen, wool, &c.	29,078	Animals (horses)	18,873
Manures	23,243	Animal products	34,312
Wines	22,218	Meat	28,268
Fish	21,139	Manures	27,817
Flour	20,396	Mineral substances	30,629
Coal, coke	18,477	Resin, bitumen	18,313
Machinery	15,333	Dyes and colours	16,680
Butter	15,298	Flour	12,517
Tobacco	12,781		



The following table shows the respective shares of the leading countries in the special commerce of Belgium in two years:—

	Imports		Exports	
	1892	1893	1892	1893
	1000 francs	1000 francs	1000 francs	1000 francs
France . . . . .	299,544	278,423	310,661	310,256
United States . . . . .	206,534	134,950	53,143	50,344
Great Britain . . . . .	182,617	197,986	234,550	241,912
Netherlands . . . . .	178,706	200,601	189,902	177,114
Germany . . . . .	167,823	180,180	312,973	300,970
British India . . . . .	60,934	71,312	12,608	14,940
Russia . . . . .	73,749	97,642	5,852	17,132
Roumania . . . . .	61,965	65,146	7,588	8,374
Argentine Republic . . . . .	67,852	83,631	14,011	14,980
Sweden and Norway . . . . .	42,578	50,143	16,000	15,326
Brazil . . . . .	35,316	37,771	19,040	17,995
Italy . . . . .	20,570	20,396	22,492	24,642
Peru . . . . .	26,198	26,419	960	717
Australia . . . . .	14,187	18,209	5,408	3,571
Spain . . . . .	13,957	13,575	28,337	18,758
Chile . . . . .	14,449	13,216	11,945	8,338
Egypt . . . . .	7,310	4,379	7,184	14,259
Switzerland . . . . .	3,044	3,504	32,260	28,299

The principal imports into Great Britain from Belgium, and exports of British produce to Belgium were:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into Great Britain :					
Woollen yarn . . . . .	1,531,795	1,242,399	1,254,881	1,236,894	1,063,171
Silk stuffs & ribbons . . . . .	1,963,821	1,602,300	1,660,696	1,793,309	1,647,729
Flax . . . . .	769,184	759,812	893,196	815,861	647,001
Sugar . . . . .	1,077,180	942,393	731,521	764,804	1,220,666
Bar iron & manufactures . . . . .	892,539	869,803	823,476	761,035	759,176
Eggs . . . . .	567,955	585,032	540,699	629,264	682,636
Poultry, rabbits, &c. . . . .	413,929	477,226	361,181	412,823	372,493
Exports to Belgium :					
Cottons . . . . .	1,121,542	1,089,731	1,040,776	1,003,870	1,104,711
Cotton yarns . . . . .	846,150	806,794	610,470	452,937	387,504
Woollens . . . . .	885,210	922,047	990,794	931,742	922,509
Machinery . . . . .	660,959	847,463	807,420	670,344	677,304
Iron . . . . .	370,527	411,044	292,806	244,138	255,553

The imports into Great Britain from Belgium, and exports of British produce and manufactures to Belgium, according to the

Board of Trade returns, are shown in the subjoined tabular statement for five years :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into Great Britain	17,674,877	17,383,776	17,253,265	17,013,967	16,848,979
Exports of British produce	7,160,132	7,638,712	7,374,495	6,942,667	7,128,862

Of foreign and colonial produce, amounting to 5,887,588*l.* sent from Great Britain to Belgium in 1893, raw cotton was valued at 468,896*l.*, and wool at 2,969,904*l.*

### Shipping and Navigation.

The condition of the merchant marine of Belgium is shown as follows on December 31 :—

	1870		1880		1890		1892		1893	
	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons
Sailing Vessels	55	20,648	24	10,442	10	4,393	6	1,039	6	1,039
Steamers	12	9,501	42	65,224	46	71,553	47	69,356	50	74,499
Total	67	30,149	66	75,666	56	75,946	53	70,395	56	75,538

The navigation at Belgian ports is shown as follows :—

	1870		1880		1890		1892		1893	
	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons
Vessels—										
Entered	5,658	1,575,293	6,667	3,571,182	7,357	5,785,980	7,063	5,782,157	7,022	6,001,968
Cleared	5,406	1,534,013	6,615	3,544,964	7,381	5,803,168	7,085	5,802,111	6,977	5,939,502
Total.	11,064	3,109,306	13,282	7,116,146	14,738	11,589,148	14,148	11,584,268	13,999	11,941,470

Of the total in 1893, 3,731 vessels of 2,236,894 tons entered from, and 4,670 of 3,407,436 tons cleared to England ; the United States coming next with 273 of 567,721 tons entered, and 233 of 540,093 tons cleared.

### Internal Communications.

The length of public roads in Belgium was 5,639 miles in 1891, and of navigable water (rivers and canals) 1,010 miles in 1890.

The subjoined tabular statement shows the length of railways open in Belgium on January 1, 1894 :—

		Miles
Lines worked by the State . . . . .		2,018
Lines worked by companies . . . . .		792
Total lines open . . . . .	Miles	2,810

The total number of passengers conveyed by the State railways in 1893 was 70,969,992, and by the companies 21,177,171. The gross receipts in 1893 amounted for the State to 145,608,909 francs, of which 47,286,901 francs were for passengers; and for the companies 40,963,327 francs, of which 12,149,535 francs were for passengers; expenses for the State 81,969,346 francs; for the companies 19,933,719 francs. Up to the end of 1893 the State had spent 1,941,283,473 francs on the first cost of its railways. The total receipts of its railways from 1835 to 1892 amounted to 3,170,642,149 francs, and the total expense of working its railways during the same period was 1,859,469,465 francs.

The work of the Post Office in Belgium for three years was as follows:—

—	1890	1892	1893
Private letters . . . . .	95,484,491	99,295,241	102,307,722
Official letters . . . . .	16,567,965	17,891,763	19,103,155
Post-cards . . . . .	36,865,077	39,260,182	40,195,766
Printed matter . . . . .	73,599,461	88,274,979	80,579,743
Newspapers . . . . .	94,639,558	100,693,346	108,221,087

On January 1, 1894, there were 833 post offices in Belgium. The total revenue of the Post Office in the year 1893 amounted to 18,276,628 francs, in 1892 17,513,873 francs, and the expenditure in 1891, to 9,747,843 francs, in 1892, 9,954,020 francs, in 1893, 10,178,073 francs.

The telegraphs in Belgium carried 8,445,593 despatches, private and official, in the year 1891, in 1892, 7,975,523, in 1893, 8,311,960. In 1892 the total length of public telegraph lines was 4,617 miles, and the length of wires 22,739 miles. There were at the same date 965 (in 1893, 970) telegraph stations. Receipts (1892), 3,445,599 (1893, 3,450,770) francs; expenses, 4,535,192 (in 1893, 5,136,385) francs.

### Money and Credit.

The nominal value of money minted and circulated in Belgium from 1832 to 1893 was: gold, 598,642,745 francs; silver, 556,342,745 francs; copper and nickel, 15,273,826 francs; total, 1,170,259,316 francs. No coinage has been minted recently. The proportion of Belgian and of foreign fractional silver coin (2, 1, and  $\frac{1}{2}$  franc pieces) circulating in Belgium is indicated by the results of an inquiry by the National Bank. Of silver fractional pieces amounting to 349,217 francs received at the offices of the bank on September 1, 1893, 43·53 per cent. in value was Belgian, 34·24 per cent. French, 17·83 per cent. Italian, 3·65 per cent. Swiss, 0·745 per cent. Greek; or 56·165 per cent. was foreign.

The one bank of emission in Belgium is the National Bank, instituted 1850. Its capital, entirely paid up, is 550 million francs. It is the cashier of the State, and is authorised to carry on the usual banking operations. The following are statistics of the bank in thousands of francs:—

Year	Cash	Bills, &c.	Loans in Public Funds	Public Funds	Notes in Circulation	Credit Current Accounts	Reserve
1860	62,023	155,958	4,469	3,347	117,900	81,825	10,312
1880	98,787	283,903	7,787	33,166	339,909	72,142	14,730
1890	103,413	312,671	7,588	49,852	404,722	67,724	22,410
1892	114,635	309,392	8,599	49,966	427,595	69,340	23,583
1893	111,622	336,201	10,871	49,959	450,756	67,354	24,101

The following are the statistics of private banks (30) and joint-stock banks (23) for 1888, in thousands of francs :—

—	Paid-up Capital	Reserve	Cash	Liabilities	Bills	Debit Accounts Current	Loans &c.
Private Banks.	152,556	75,730	26,523	555,378	352,008	231,992	198,992
Joint-stock .	37,598	4,272	7,527	124,985	61,480	94,267	5,549

There are, besides, agricultural banks, credit unions, and popular banks. The following are statistics of the State savings-banks :—

Year	Offices	Depositors	Amount of Deposits at end of Year	Year	Offices	Depositors	Amount of Deposits at end of year
1890	844	731,057	Frans 325,415,412	1892	854	869,947	Frans 351,308,338
1891	846	800,074	333,428,732	1893	—	960,468	390,181,775

## Money, Weights, and Measures.

### MONEY.

The *Franc* . . . . . Par value 25·22½ to £1 sterling.

Belgium was one of the five Continental States—comprising, besides, France, Italy, Greece, and Switzerland—which formed a Monetary League in 1865.

### WEIGHTS AND MEASURES.

The <i>Kilogramme</i> . . . . .	= 2·20 lbs. avoirdupois.
„ <i>Tonne</i> . . . . .	= 2,200 „ „
„ <i>Hectolitre</i> { Dry measure . . . . .	= 2·75 imperial bushels.
„ { Liquid measure . . . . .	= 22 imperial gallons.
„ <i>Metre</i> . . . . .	= 3·28 feet.
„ <i>Metre Cube</i> . . . . .	= 35·31 cubic feet.
„ <i>Kilometre</i> . . . . .	= 1,093 yards.
„ <i>Hectare</i> . . . . .	= 2·47 English acres.
„ <i>Square Kilometre</i> . . . . .	= 247·11 English acres, or 0·386 square mile.

## Diplomatic Representatives.

### 1. OF BELGIUM IN GREAT BRITAIN.

*Envoy and Minister.*—Baron Whettnall, appointed February, 1894.

*Councillor of Legation.*—Comte Werner van den Steen de Jehay.

*Secretary of Legation.*—M. Maurice Joostens.

*Attaché.*—M. Joseph Mélot.

*Consul-General in London.*—F. H. Lenders.

There are Consular representatives of Belgium in the following towns :—

Aberdeen,	Dundee,	Queenstown,	Dunedin,
Belfast,	Falmouth,	Sheffield,	Hong Kong.
Berwick,	Glasgow,	Southampton,	Melbourne,
Birmingham,	Hull,	Adelaide,	Quebec,
Bradford,	Leith,	Bombay,	Singapore,
Bristol,	Liverpool,	Brisbane,	Sydney,
Cardiff,	Manchester,	Calcutta,	Wellington.
Devon,	Newcastle,	Cape Town,	
Dublin,	Portsmouth,	Ceylon,	

## 2. OF GREAT BRITAIN IN BELGIUM.

*Envoy and Minister.*—Hon. Sir F. R. Plunkett, G.C.M.G., Envoy and Minister to Sweden and Norway, 1888 ; to Belgium, 1893.

*Secretary.*—C. F. Frederick Adam.

There is a Consul-General at Antwerp, and Vice-Consuls at Ghent, Liège, Louvain, and Ostend.

## Statistical and other Books of Reference concerning Belgium.

### 1. OFFICIAL PUBLICATIONS.

Almanach Royal Officiel de Belgique, contenant les attributions et le personnel de tous les services publics du royaume. Année 1893. Bruxelles, 1894.

Annuaire statistique de la Belgique. Bruxelles, 1893.

Documents statistiques, publiés par le départ. de l'Intérieur, avec le concours de la commission centrale de statistique. Bruxelles, 1857-69.

Moniteur belge.

Budgets provinciaux. Exercice 1894. Bruxelles, 1893.

Budgets des recettes et des dépenses pour l'exercice 1895. Bruxelles, 1894.

Relevé du chiffre officiel de la population en 1893. Bruxelles, 1894.

Rapport triennal sur la situation de l'instruction primaire en Belgique. Seizième Période Triennale, 1888-90. Bruxelles, 1892.

Situation générale du trésor public au 1<sup>er</sup> Janvier, 1894. Bruxelles, 1894.

Exposé de la situation du royaume, période 1841-50. 1 vol. Période 1851-60. 3 vols. Période 1-61-75. 2 vols. Publié par le Ministre de l'Intérieur. 8. Bruxelles, 1861-75.

Statistique de la Belgique. Population. Recensement général (31 Décembre, 1890). Bruxelles, 1893. 2 vols.

Statistique de la Belgique. Agriculture. Recensement général de 1880. Bruxelles, 1885.

Statistique de la Belgique. Aperçu de la situation de royaume dressé en Avril 1880 par les soins de la commission centrale de statistique de Belgique. Bruxelles, 1889.

Statistique générale des recettes et dépenses du royaume, 1840-85. Bruxelles, 1889.

Tableau général du commerce avec les pays étrangers, pendant l'année 1893, publié par le Ministre des Finances. Bruxelles, 1894.

Compte-rendu des chemins de fer, postes, télégraphes et marine pour 1893. Bruxelles, 1894.

British Consular and Diplomatic Reports. Annual

Annual Statement of the Trade of the United Kingdom with Foreign Countries for the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Bavary* (Ch. Victor de), Histoire de la révolution belge de 1830. 8. Bruxelles, 1876.

*Brialmont* (A. H.), Situation militaire de la Belgique. Brussels, 1882.

*Griala de la Vega* (D. de), Royaume de la Belgique. Brussels, 1883.

*Harze* (Em.), Statistique des mines, minières, &c., pour l'année, 1893. 8. Bruxelles, 1894.

*Meulmans* (Aug.), La Belgique, ses ressources agricoles, industrielles et commerciales. 8. Bruxelles, 1866.

*Morrel* (H. G.), Histoire de la Belgique. Brussels, 1881.

*Nicolaï* (E.), Les chemins de fer de l'état en Belgique 1834-84. Étude historique, économique et statistique. Bruxelles, 1885.

*Poulet* (E.), Histoire politique interne de la Belgique. Louvain, 1879.

*Reclus* (Elisée), Nouvelle géographie universelle. Tome IV. L'Europe du Nord-Ouest. Paris, 1879.

## BHUTÁN.

AN independent State in the Eastern Himálayas, between 26° 45' and 28° N. latitude, and between 89° and 92° E. longitude, bordered on the north-east and west by Tibet and on the south by British India. Extreme length from east to west 160 miles ; extreme breadth 90 miles.

The original inhabitants of Bhután, the Tephús, were subjugated about two centuries ago by a band of military colonists from Tibet. In 1774 the East India Company concluded a treaty with the ruler of Bhután, but since then repeated outrages on British subjects committed by the Bhután hill men have led from time to time to punitive measures, usually ending in the temporary or permanent annexation of various *dwárs* or submontane tracts with passes leading to the hills. In November 1864 the eleven western or Bengal *dwárs* were thus annexed. The Bhutiás at first acquiesced in the annexation, but in January 1865 attacked an English outpost, and it was found necessary to send an expedition into their country. Peace being restored, a treaty was signed (November 1865) by which the rulers of Bhután receive a subsidy of Rs. 50,000, on condition of their good behaviour. This gives the Indian Government an effective control over them, while the occupation of two strong positions at Baxa and Diwángiri, within a few miles of their frontier, serves as a material guarantee against further aggression.

The government of Bhután resembles that of Tibet, the chief authority being nominally divided between the Deb Rájá, or secular head, on the one hand, and the Dharm Rájá, or spiritual head of the State, on the other. Practically, the Deb Rájá is a mere instrument in the hands of powerful barons (penlops and jungpens), while the Dharm Rájá is only supposed to be concerned with the spiritual welfare of his people. In theory the Deb Rájá is elected by the penlops and jungpens, but he is usually the nominee of the most powerful chieftain for the time being. The Dharm Rájá is supposed to be the incarnation of his predecessor, and is chosen in infancy. The most powerful chieftains of Bhután are the penlops of Tougso, Páro, and Taka, and the jungpens of Thimbu, Punakhá, and Angdaphorang.

Area about 16,800 square miles ; population about 20,000 in 1864, but now much larger.

The chief towns of Bhután are Punakhá, the capital, a place of great natural strength ; Tásichozong, Páro, Angdaphorang, Togsá, Taka, and Biaka.

The people are nominally Buddhists, but their religious exercises consist chiefly in the propitiation of evil spirits and the recitation of sentences from the Tibetan Scriptures. Tásichozong, the chief monastery in Bhután contains 300 priests.

The military resources of the country are insignificant. Beyond the guards for the defence of the various castles, there is nothing like a standing army.

The chief productions of Bhután are rice, Indian corn, millet, two kinds of cloth, musk, ponies, chowries, and silk. Muzzle-loading guns and swords of highly-tempered steel are manufactured.

The trade between British India and Bhután amounted in 1893-94 to Rx. 19,797 imports from and Rx. 23,362 exports to India. The chief imports are tobacco, European cotton goods, betel-nuts, and rice ; the chief exports, wool, musk, ponies, and caoutchouc.

See Report on Explorations in Sikkim, Bhután, and Tibet, 1856-86. Edited by Lieut.-Colonel G. Strahan. Dehra Dún, 1889.

## BOLIVIA.

(REPÚBLICA BOLIVIANA.)

### Constitution and Government.

THE Constitution of the Republic of Bolivia bears date October 28, 1880. By its provisions the executive power is vested in a President, elected for a term of four years by direct popular vote; while the legislative authority rests with a Congress of two chambers, called the Senate, and the Chamber of Deputies. The suffrage is possessed by all who can read and write. There are 16 Senators and 64 Deputies. There are two Vice-Presidents and a ministry, divided into five departments—of Foreign Relations and Worship; Finance and Industry; Government and Colonisation; Justice and Public Instruction; War.

*President of the Republic.*—Señor *Mariano Baptista*, nominated President August 6, 1892.

The supreme political, administrative, and military authority in each department is vested in a prefect. The Republic is divided into nine departments, 52 provinces and 374 cantons, administered respectively by prefects, sub-prefects, and corregidores. The capital of each province has its municipal council.

### Area and Population.

The area of Bolivia was estimated in 1869 at 842,729 English square miles, with a population of close upon two millions. The following table gives after official returns of 1890-93, the area of each of the existing provinces, with their estimated population (excluding aboriginal Indians):—

Departments	Area : English square miles	Population
La Paz de Ayacucho . . . . .	171,200	593,779
Potosi . . . . .	52,084	360,400
Oruro . . . . .	21,331	189,840
Chuquisaca, or Sucre . . . . .	39,871	286,710
Cochabamba . . . . .	21,417	360,220
Beni . . . . .	100,551	26,750
Santa-Cruz de la Sierra . . . . .	126,305	112,200
Tarija . . . . .	34,599	89,650
Total . . . . .	567,360	2,019,549

As a result of the war with Chile, 1879-80, Bolivia mortgaged to that country all her coast territory. The aboriginal or Indian population of Bolivia is estimated at a million; the mestizos or mixed races at 500,000, and the whites about 500,000. They are mostly regarded as at least nominally Christian. The present population may be estimated at about 2,300,000.

The population of La Paz is estimated at 56,000; Cochabamba, 25,000; Sucre (the capital), 24,000; Tarija, 10,000; Potosi, 12,000; Santa Cruz, 12,000; Oruro, 15,000. The seat of Government changes; in 1892 it was at Oruro; in 1893, at La Paz; in 1894 it returned to Sucre.

### Religion, Instruction, and Justice.

The Roman Catholic is the recognised religion of the State; the exercise of other forms of worship is permitted in the settlements.

Primary instruction is free and nominally obligatory. The following figures are given for 1890 :—Primary schools 493, with 649 teachers and 24,244 pupils (of whom 6,840 girls); secondary schools and colleges 16, with 2,126 pupils and 91 professors. There are five universities with 1,384 students and 83 professors of law, medicine, and theology. There is also a military school with 60 pupils and 9 professors. The Government contribution to public schools in 1894 was 79,000 bolivianos; the local contributions to education are 180,000 bolivianos. There are 70 schools for the rural Indian population, taught by the parish priests, besides 34 mission stations with 160 schools receiving subventions from Tarija, La Paz, and Potosi, and 10,000 bolivianos from the Government. Three schools of arts and trades are being established under the direction of the Salesian friars.

The judicial power resides in the Supreme Court, 8 district courts, and the courts of local justices.

### Finance.

In the budget for the financial year 1890–91 the revenue from all sources was calculated at 3,321,280 bolivianos, and the expenditure at 3,613,698 bolivianos. For 1892–93 the estimated revenue was 5,737,200 bolivianos; and expenditure 5,937,200 bolivianos; 1893–94, revenue, 5,234,820 bolivianos; expenditure, 5,721,300 bolivianos.

In 1893–94 the external debt amounted to 4,681,655 bolivianos, of which 1,616,655 is due to Chili, and is being rapidly paid off. On the remainder 205,000 bolivianos of interest accrues yearly, but no provision is in force for payment of interest or capital. The amount of the internal debt has not been published. In 1891 it stood at 4,485,000 bolivianos.

### Defence.

Bolivia has a standing army of 950 men with 367 superior and 654 officers. There is also a national guard, in which all citizens are bound to serve. In 1892 a conscription law was passed making military service compulsory from 21 to 40 years of age, in the line, the reserve, and extraordinary reserve. The annual cost of the army amounts to 1,350,000 bolivianos.

### Production and Industry.

Till within the last few years, the vast agricultural and mineral resources of the country were entirely dormant for want of means of communication, but more recently an attempt has been made to construct roads and railways. The silver mines of Potosi alone are estimated to have produced 600 millions sterling from their discovery in 1545 down to 1864. In 1893 the production of silver was estimated at 14,593,700 oz., valued at 1,824,215*l*. The country contains also gold, copper, tin, and lead, bismuth, antimony, cobalt, and borax. In 1892 copper (2,300 tons), valued at 92,000*l*., and tin (8,560 tons), valued at 512,000*l*., were exported. Coca is one of the most important products of Bolivia; in 1884–85 the quantity derived was valued at 343,666*l*. Cinchona is another important culture; a report of the United States Consul referring to 1884–85 estimates the number of trees at 5 millions, and the quantity of bark produced in the year at 200,000 lbs.; but the trees are being destroyed within practicable distance of the coast. Coffee culture is rising into importance.



### Commerce.

The average value of the imports is estimated at 2,500,000*l.*, and exports 3,250,000*l.* Two-thirds of the exports consist of silver. In 1889 the total Bolivian exports by Buenos Ayres was 3,327,645 Argentine dollars, in 1890 823,192 dollars, mostly silver and gold. In the first half of 1890 the exports from Bolivia by Arequipa amounted to 536,229 Peruvian soles, that of copper in bars to 312,915 soles. The total imports by Buenos Ayres in 1889 amounted to 106,487 dollars, in 1890, 3,283 dollars; about one-half was for textiles. Export of silver bar and ore in 1888, 17,064,218 bolivianos; in 1889, 12,145,545 bolivianos; in 1893, 19,987,500 bolivianos. Nearly one-half of the imports are calculated to come from the United Kingdom, mainly through the ports of Arica and Antofagasta. Considerable trade is also done with France and Germany. The exports comprise, besides silver, Peruvian bark, india-rubber, gum, alpaca wool, coca and coffee, and copper, tin, bismuth, and other ores.

In the Board of Trade Returns the trade of the United Kingdom with Bolivia since 1888 has been included in the trade with Chile. The principal imports from Bolivia into Great Britain are silver, tin, copper, and their ores, india-rubber, bismuth, and alpaca wool. In the year 1888 the value of the imports of copper, both ore and regulus, amounted to 49,948*l.*; and of nitre to 74,530*l.* The British exports to the Republic consist chiefly of cotton goods, of the value of 3,008*l.*; of iron, wrought and unwrought, of the value of 51,424*l.*; machinery, 13,210*l.*; coals, 7,642*l.*; carriages, 13,753*l.*, in 1888.

### Communications.

A railway connects the Chilean port of Antofagasta, with the Bolivian frontier at Ascotan, and it thence proceeds as far as Uyuni in Bolivian territory; from Uyuni there is a branch to Huanchaca where there is one of the most important silver mines in the world, second only to that of Broken Hill in Australia. The extension of this railway to Oruro is now complete. Nearly 500 miles of this railway are built in Bolivian territory. Besides this, concessions have been given for other lines which are being studied and will, it is stated, soon begin to be built—namely, from the city of La Paz to the Peruvian frontier, to join the line from Mollendo on the Pacific coast to Puno on Lake Titicaca; from the River Paraguay, in the east of Bolivia, to the city of Santa Cruz; from Oruro to Cochabamba; and from Challapata near Oruro, to Potosi. A line is also proposed from Uyuni to the Argentine frontier. New roads are being constructed in many parts of the country, and 6 bridges (suspension and Eiffel) have been recently built or are purchased to be placed over rivers.

There is a line of telegraph between Puno, on Lake Titicaca, and La Paz, 145 miles, and from La Paz to Oruro, Cochabamba, and Colquechaca; another from Sucre to Colquechaca; another between the capital and Potosi and the Argentine frontier on the one hand and the Pacific coast on the other. The total length of line is 903 miles. In 1892 there were 83 post offices; the number of letters, postcards, papers, &c., transmitted was: internal, 1,238,840; international, 368,539. Bolivia belongs to the postal union.

### Money, Weights, and Measures.

#### MONEY.

The *Boliviano* or *Dollar*, of 100 centavos, was struck on the basis of the 5-franc piece; present value (Aug. 1894) about 1*s.* 9*d.* The gold ounce is nominally equal to 17½ silver pesos.

The Potosi mint now coins only half bolivianos and 20-cent pieces, 8 per cent. lighter than the old boliviano.

## WEIGHTS AND MEASURES.

The metric system of weights and measures is used by the administration, and prescribed by law, but the old Spanish system is also employed as follows:—

The <i>Libra</i>	. . . . .	=	1·014 lbs	avoirdupois.
„ <i>Quintal</i>	. . . . .	=	101·44	„ „
„ <i>Arroba</i>	{ of 25 pounds . . . . .	=	25·36	„ „
	{ of wine or spirits . . . . .	=	6·70	imperial gallons.
„ <i>Gallon</i>	. . . . .	=	0·74	„ gallon.
„ <i>Vara</i>	. . . . .	=	0·927	yard.
„ <i>Square Vara</i>	. . . . .	=	0·859	square yard.

## Consular Representative.

## OF BOLIVIA IN GREAT BRITAIN.

*Consul-General.*—Francisco Suarez.

Great Britain has no representative in Bolivia.

## Statistical and other Books of Reference concerning Bolivia.

## 1. OFFICIAL PUBLICATIONS.

Report on the Trade, &c., of Bolivia in 1884-85, in 'Reports from the Consul of the United States,' January, 1886. Washington, 1886.

Report on the Trade of Bolivia in 1887, in 'Deutsches Handels-Archiv,' August, and on a Projected Railway, October, 1888. Berlin, 1888.

## 2. NON-OFFICIAL PUBLICATIONS.

*Bolivia*, a paper in the 'Deutsche Kolonial-Zeitung,' Heft 18, 1886, p. 548. Berlin, 1886.

*Bolivian* (Manuel V.) and *Idiaquez* (Eduardo), Diccionario Geográfico de la República de Bolivia. La Paz, 1890.

*Bonelli* (L. H. de), Travels in Bolivia. 2 vols. London, 1854.

*Church* (Col. Geo. Earl), Papers and Documents relating to the Bolivian Loan, the National Bolivian Navigation Company, &c. 8. London, 1873.

*Dalence* (M.), Bosquejo estadístico de Bolivia. 8. Chuquisaca, 1878.

*D'Orbigny*, Descripción geográfica, histórica y estadística de Bolivia. 1844.

*D'Orbigny* (A.), Voyage dans l'Amérique Méridionale. 9 vols. Paris, 1835-47.

*Ford* (I. N.), Tropical America. 8. London, 1893.

*Grandidier* (P.), Voyage dans l'Amérique du Sud. 8. Paris, 1861.

*Mathews* (Edward D.), Up the Amazon and Madeira Rivers, through Bolivia and Peru. 8. London, 1879.

*Moreno* (J. L.), Nociones de geografía de Bolivia. Suere, 1889.

*Rück* (Ernesto O.), Guía General de Bolivia. Suere, 1865.

*Temple* (E.), Travels in various Parts of Peru. 2 vols. London, 1830.

*Tschudi* (J. J. von), Reisen durch Südamerika. 4 vols. 8. Leipzig, 1856.

*Ursel* (Comte C. d'), Sud Amérique: Séjours et voyages au Brésil, en Bolivie, &c. 12. Paris, 1879.

*Weddell* (H. A.), Voyage dans le Nord de la Bolivie. Paris, 1853.

*Wiener* (Charles), Pérou et Bolivie. Paris, 1880.

## BRAZIL.

(ESTADOS UNIDOS DO BRAZIL.)

### Constitution and Government.

IN 1807 the royal family of Portugal fled to Brazil; in 1815 the colony was declared 'a kingdom'; and the Portuguese Court having returned to Europe in 1821, a national congress assembled at Rio de Janeiro, and on May 13, 1822, Dom Pedro, eldest son of King João VI. of Portugal, was chosen 'Perpetual Defender' of Brazil. He proclaimed the independence of the country on September 7, 1822, and was chosen 'Constitutional Emperor and Perpetual Defender' on October 12 following. In 1831 he abdicated the crown in favour of his only son, Dom Pedro II., who reigned as Emperor until November 15, 1889, when by a revolution he was dethroned, and he and his family exiled, and Brazil declared a Republic under the title of the United States of Brazil. Dom Pedro died in 1891.

By a decree of June 22, 1890, the Provisional Government convoked a National Congress, which, in February, 1891, established a new Constitution, whereby the Brazilian nation, adopting the federative republican form of government, constituted itself as the United States of Brazil. Each of the old Provinces forms a State, administered at its own expense without interference from the Federal Government save for defence, for the maintenance of order, and for the execution of the Federal laws. Fiscal arrangements in such matters as customs, stamps, rates of postage, and bank-note circulation belong to the Union; but the several states may impose duties on foreign imports intended for consumption within their respective territories.

The legislative authority is exercised by the National Congress with the sanction of the President of the Republic. Congress consists of the Chamber of Deputies and the Senate. It meets annually on the 3rd of May, without being convoked, unless another day be fixed by law, and sits four months, but may be prorogued or convoked extraordinarily. No member of Congress, after his election, can contract with the executive power or accept any commission or paid office, except such as are diplomatic or military or imposed by law. If, in ordinary circumstances, the acceptance of diplomatic or military office would cause the loss of the legislative services of a member, the permission of the Chamber is required. Nor can any member of Congress take part in the administration of any company which is employed by the Federal Government. Deputies and Senators are paid, and neither can be Ministers of State. Deputies must have been Brazilian citizens for four years. Senators must be over thirty-five years of age and must have been citizens for six years.

The Chamber of Deputies consists of 205 members elected for three years by direct vote (providing for the representation of the minority), in a proportion not greater than one to every 70,000 of population as shown by a decennial census, but so that eventually no State will have less than four representatives. It has the initiative in legislation relating to taxation.

The following table shows the number of Deputies from the different States and from the Federal district :—

Deputies		Deputies		Deputies	
Amazonas . . . . .	2	Alagoas . . . . .	6	Rio Grande do Sul . . . . .	16
Pará . . . . .	7	Sergipe . . . . .	4	Minas Geraes . . . . .	37
Maranhão . . . . .	7	Bahia . . . . .	22	Goyaz . . . . .	3
Piauhý . . . . .	4	Espirito Santo . . . . .	2	Matto Grosso . . . . .	2
Ceará . . . . .	10	Rio de Janeiro . . . . .	17	Federal District . . . . .	10
Rio Grande do Norte . . . . .	4	San Paulo . . . . .	22		
Parahyba . . . . .	5	Paraná . . . . .	4	Totals . . . . .	205
Pernambuco . . . . .	17	Santa Catharina . . . . .	4		

Senators, 63 in number, are chosen by direct vote, three for each State, and for the Federal district, for nine years, and the Senate is renewed to the extent of one-third every three years. The Vice-President of the Republic is President of the Senate.

The executive authority is exercised by the President of the Republic. He must be a native of Brazil, over thirty-five years of age. His term of office is four years, and he is not eligible for the succeeding term. The President and the Vice-President are elected by the people directly, by an absolute majority of votes. The election is held on the 1st of March in the last year of each presidential period in accordance with forms prescribed by law. No candidate must be related by blood or marriage, in the first or second degree, to the actual president or vice-president, or to either who has ceased to be so within six months.

The President has the nomination and dismissal of ministers, supreme command of the army and navy, and, within certain limits, the power to declare war and make peace. He (with the consent of Congress) appoints the members of the Supreme Federal Tribunal and the diplomatic ministers. No minister can appear in Congress, but must communicate by letter, or in conference with commissions of the Chambers. Ministers are not responsible to Congress or the Tribunals for advice given to the President of the Republic.

The franchise extends to all citizens not under twenty-one years of age, duly enrolled, except beggars, 'illiterates,' soldiers actually serving, and members of monastic orders, &c., under vows of obedience.

*President of the Republic.*—Prudente de Moraes Barros, born at Itu in San Paulo, 1844; elected as Deputy to San Paulo Assembly, 1866; to Chamber of Deputies in Rio Janeiro, 1885; Governor of San Paulo, 1889; President of Assembly, 1890; President of the Republic, November 15, 1894.

There are 6 Secretaries of State at the head of the following Departments :—  
1. Finance, 2. Justice, Interior and Public Instruction, 3. War, 4. Marine, 5. Foreign Affairs, 6. Industry, Communications and Public Works.

In 1885 a bill was passed for the gradual extinction of slavery, and on May 13, 1888, an act was passed repealing all former acts on the subject, and abolishing slavery from the day of the promulgation of the law.

### I. LOCAL GOVERNMENT.

According to the new Constitution each State must be organised under the republican form of government, and must have its administrative, legislative, and judicial authorities distinct and independent. The governors and members of the legislatures must be elective; the magistrates must not be elective nor removable from office save by judicial sentence. The Federal District is administered by a council elected by the citizens of the District, the municipal executive authority being exercised by a Prefect appointed for four years by the President of the Republic. There are in Brazil 892 municipalities and 1,886 parishes.

## Area and Population.

The census taken in 1872 was only a partial one, and its results are not regarded as trustworthy. The total population is given as 9,930,478—males, 5,123,869; females, 4,806,609. The subjoined table gives the area and population of each of the provinces of the Empire in 1872, and according to an official estimate of 1888:—

State or Provinces	Area : Eng. sq. m.	Population, 1872	Population, 1888	Density per sq. m., 1888
Amazonas . . .	732,460	57,610	80,654	0·11
Pará . . .	443,653	275,237	407,350	0·91
Maranhão . . .	177,566	359,040	488,443	2·7
Piauhý . . .	116,218	202,222	266,933	2·2
Ceará . . .	40,253	721,686	952,625	23·6
Rio Grande do Norte	22,195	233,979	308,852	13·9
Parahyba . . .	28,854	376,226	496,618	17·0
Pernambuco . . .	49,625	841,539	1,110,831	22·0
Alagôas . . .	22,583	348,009	459,371	20·0
Sergipe . . .	7,370	176,243	232,640	31·0
Bahia . . .	164,649	1,379,613	1,821,089	11·0
Espirito Santo . .	17,312	82,137	121,562	7·0
Rio de Janeiro	26,634	782,724	1,164,468	43·7
Município Neutro (City of Rio) . . .	538	837,354	406,958	756·0
Santa Catharina . .	27,436	139,802	236,346	8·6
Rio Grande do Sul .	91,335	434,816	564,527	6·18
Minas Geraes . . .	222,160	2,039,735	3,018,807	13·58
Matto Grosso . . .	532,708	60,417	79,750	0·149
Goyaz . . .	288,546	160,935	211,721	0·77
Paraná . . .	85,453	126,722	187,548	2·19
San Paulo . . .	112,330	837,354	1,386,242	12·34
Total . . .	3,209,878	9,930,478	14,002,335	4·36

This shows an apparent increase of 41 per cent. in sixteen years, or at the rate of 2·56 per cent per annum. According to an enumeration on August 13, 1892, the population of the State of Rio de Janeiro was 1,053,817 (540,416 males and 513,401 females), 5 per cent. being foreigners, chiefly Portuguese.

In 1892 the population of Rio de Janeiro was estimated at 800,000; of Bahia, in 1890, 80,000; of Pernambuco, 190,000; Belem, 65,000; San Paulo, 35,000; Ceará, 35,000; Maranhão, 38,000; Porto Alegre, 45,000; Parahyba, 40,000; Ouro Preto, 22,000.

At the census of 1872 there were 3,787,289 whites, 3,801,787 mētis, 1,954,452 negroes, and 386,955 Indians. In the northern provinces the Indian element preponderates, while in Pernambuco, Bahia, Rio de Janeiro, and Minas the negroes are numerous. At the seaports the chief part of the population is of European descent.

### MOVEMENT OF THE POPULATION.

The returns of births, deaths and marriages are incomplete, and no statistics are available later than 1884.

From 1871 to 1892 860,991 immigrants are stated to have entered the country. The annual rate through Rio, Santos, and Victoria during five years has been: 1889, 65,187; 1890, 107,100; 1891, 218,958; 1892, 86,513; 1893, 84,143. In 1893 there were 17,525 emigrants. Of the immigrants in 1892 54,993 were Italians, 17,797 Portuguese, 10,468 Spaniards, 802 Germans, 574 Austrians. By a contract which commenced January 1, 1893, the "Companhia Metropolitana" has undertaken to introduce 1,000,000 immigrants from Europe, and Spanish and Portuguese colonies within 10 years. In September, 1892, the President sanctioned a law permitting Chinese and Japanese immigration.

### Religion.

The established religion under the Empire was the Roman Catholic, but under the Republic the connection between Church and State has been abolished, and absolute equality declared among all forms of religion. The Federal Government continues to provide for the salaries and maintenance of the existing functionaries of the Catholic Church. In the State of Rio de Janeiro in August, 1892, there were 1,043,541 Catholics and 10,276 non-Catholics.

Brazil constitutes an ecclesiastical province, with a metropolitan archbishopric, the seat of which is at Bahia, 11 suffragan bishops, 12 vicars-general, and 2,000 curates. For the private instruction of the clergy there are 11 seminaries.

### Instruction.

Public education is divided into three distinct forms or classes—namely, primary; secondary, or preparatory; and scientific, or superior. The higher education is controlled by the central Government, which maintains two schools of medicine, two of law, four military and one naval school, a school of mines, and a polytechnic. In 1890 these schools had, in all, 2,916 pupils. There are, besides, the Lyceum of Arts and Trades with 2,277 pupils, and five other special schools with 575 pupils. Connected with the observatory at Rio is a school for astronomy and engineering. Secondary instruction is under the charge of the provincial governments except in the capital. In most of the chief towns of the states there is a middle-class school and a normal school, besides many private middle-class schools. Primary instruction in the capital is under the charge of the Government, and in the States under the municipal and state authorities. According to the Constitution education is, at all stages, under lay management, and primary education is gratuitous. Compulsory education now exists in several States. In 1889 there were, it was officially stated, 7,500 public and private primary schools, attended by 300,000 pupils in all. In 1881, of the total population 1,902,455 were of school age (6 to 15). The number of illiterates is returned at 8,365,997, or 84 per cent. of the population.

### Justice and Crime.

There is a supreme tribunal of Justice at Rio de Janeiro; 11 courts of appeal throughout the country, which are courts of first and second instance,

both in civil and criminal cases. Judges are appointed for life. There are also municipal magistrates and justices of the peace, who are elected, and whose chief function is to settle cases by arbitration.

**Finance.**

The following table shows the actual revenue and expenditure for to 1888–92, the (mainly actual) revenue and expenditure for 1893, and the expected revenue expenditure for 1894 :—

	Revenue Milreis	Expenditure Milreis
1888 . . . . .	144,969,654	146,047,490
1889 . . . . .	160,060,744	184,565,947
1890 . . . . .	195,253,406	220,645,874
1891 . . . . .	228,945,000	220,592,000
1892 . . . . .	231,047,000	281,237,000
1893 . . . . .	258,835,000	317,467,000
1894 . . . . .	201,568,000	253,473,000

The liquid deposits are not included in this statement of revenue.

The proposed budget for 1894 was as follows :—

Revenue	Milreis	Expenditure	Milreis
Import duties & surtax . . . . .		Departments :	
Port charges, &c. . . . .		Interior and Justice . . . . .	14,473,833
Export taxes (gold, &c.) . . . . .		Foreign Affairs . . . . .	1,815,992
Railways . . . . .		Marine . . . . .	17,846,200
Post office & Telegraphs . . . . .		War . . . . .	29,959,815
Stamps . . . . .		Industry . . . . .	100,716,824
New Tobacco stamps . . . . .		Finance . . . . .	85,645,244
Transfer taxes . . . . .			
Tax on Salaries . . . . .			
On Active Debt . . . . .			
Various . . . . .			
Extraord. (fines, &c.) . . . . .			
Deposits, net balance . . . . .			
<b>Total . . . . .</b>		<b>233,521,890</b>	<b>Total . . . . .</b>

The budget for 1895 fixes the receipts at 270,198,000 milreis, and the expenditure at 275,692,000 milreis.

The extraordinary credits required by the Government are given as follows : war (purchase of material, cost of war in Rio Grande, &c.), 44,694,000 milreis ; interior, 6,096,000 milreis ; industry, 33,796,000 milreis ; foreign affairs, 400,000 milreis ; marine, 30,184,000 milreis ; finance, 1,429,000 milreis : total, 116,384,000 milreis.

From the report of the Minister of Finance it appears that in May, 1893, the public debt stood as follows :—

	Milreis
Foreign debt, £29,453,500, or (at par) . . .	261,809,111
Internal debt :—	
Apolices gold, 4 per cent. . . . .	124,642,000
Apolices paper, 4 and 5 per cent. . . . .	261,953,400
Other debts . . . . .	262,446,999
	<hr/>
Total internal . . . . .	649,042,399
Total debt . . . . .	910,851,510

Including Treasury notes and bank paper money, the total debt amounted to 1,481,136,784 milreis.

In June, 1894, the Foreign Debt stood at 29,060,080*l.*, at the current rate of exchange equal to 755,562,000 milreis; and the internal debt at 902,544,000 milreis; total, 1,658,106,000 milreis. The rate of interest on the Foreign Debt varies from 4 per cent. to 4½ per cent., that on the Internal Funded Debt from 4 per cent. to 6 per cent. According to the report of the Budget Commission, the cost of the service of the external debt to be paid abroad is 3,099,057*l.* The redemption of the foreign loans is to be effected by a sinking fund of 1 per cent. per annum, to be applied by purchase of bonds in the market when the price is under par, and when at or above par by drawings by lots. The internal debt is chiefly represented by bonds, called *Apolices*, inscribed to the holder, and the payment of its capital and interest, which is provided for by an annual vote of Congress, is under the charge of the sinking fund department (*aíxa da Amortisação*), independent of the Government, directed by a committee, presided over by the Minister of Finance, and composed of a general inspector and five large Brazilian bondholders.

The total revenue of all the provinces of Brazil in 1886–88 was 34,469,000 milreis, and expenditure 39,643,000 milreis. On January 29, 1893, the debt of the State of Rio Grande do Sul was 6,710,903 milreis. The total provincial debt in 1888 amounted to 53,030,000 milreis, of which 10,986,000 milreis was floating debt.

### Defence.

Obligatory service in the army was introduced in 1875. The duration of service is 6 years in the active army and 3 in the reserve. There are 40 battalions of infantry, with 1 transport company and 1 depôt company; 16 regiments of cavalry, each of 4 squadrons, 2 cavalry corps of 4 companies, 5 garrison companies and 1 garrison squadron; 5 regiments of horse artillery and 9 battalions of foot artillery; 2 pioneer battalions of engineers. In 1894 there were 1,600 officers and 30,000 men, besides 20,000 gendarmery.

The Brazilian navy includes the two second-class battleships *Riachuelo* and *24 de Maio* (ex-*Aquidaban*); the 9 local-defence armour-clads *Bahia* (1,000 tons), *Sete de Setembro* (2,150 tons), *Alagoas*, *Piauhy*, *Rio Grande*, *Maranhao*, *Pernambuco* (the last five being river monitors, 340 to 470 tons), *Brazil* and *Lima-Barros* (both now floating batteries); the three second-class cruisers *Almirante Tamandare* (4,465 tons), *Benjamin Constant* (2,750 tons), and *Guanabara* (2,200 tons)—the first two of these new vessels, and the last dating from 1877; and of vessels grouped as third-class cruisers in this book 5 *a* and 18 *b*. These last are all small gunboats. The torpedo-flotilla consists of 7 first-class and 5 second-class boats, besides small vedette craft. A new ship-building programme has been entered upon, and two powerful armour-clads (displacing 13,162 tons), and protected by steel belts and decks, have been ordered at La Seyne.

The revolt of the fleet in September 1893, headed by Admiral de Mello, supported by Admiral Saldanha da Gama and many naval officers, came to an



end in March 1894, the insurgents being unable to maintain their position. One insurgent ship, the monitor *Javary*, sank in Rio bay, and the *Aquidaban* was torpedoed off Desterro and sank in shallow water, but has been refloated and named *24 de Maio*. On the other hand President Peixoto added to the fleet by purchasing in the United States and elsewhere the steamship *El Cid*, re-named *Nichteroy*, and armed with a Zalinski dynamite gun; the *Britannia*, re-named *America*, which was fitted as a cruiser; the Ericsson submarine gunboat *Destroyer*, re-named *Piraling*; and some other vessels—but these played no real part in the operations against the insurgents, and most of them could have little more than temporary value.

The sea-going turret-ships, *Riachuelo* (5,700 tons displacement), and *24 de Maio* (5,000 tons), were built in England, the former launched in 1883 and completed in 1884, and the latter launched and completed in 1885. Both vessels are protected by a belt of armour (steel-faced) having a maximum thickness of 11 inches, and each has two turrets protected by 10-inch armour. The principal armament consists of four 21-ton breech-loading guns carried in the turrets, and there is an auxiliary armament of six 5-ton breech loaders in one ship, and four in the other, besides 17 machine-guns. The cruiser *Almirante Tamandare*, built in Brazil in 1890, is a vessel of 4,465 tons and 7,500 nominal horse-power, with a very extensive quick-firing armament. An 18-knot third class or torpedo cruiser, the *Aurora* (480 tons), was launched at Eswick in 1893.

There are five naval arsenals—at Rio de Janeiro, Pará, Pernambuco, Bahia, and Ladario de Matto Grosso.

### Production and Industry.

Brazil is an agricultural country, though only a small fraction of its soil has been brought under culture. Coffee is the chief product cultivated, and after that sugar and tobacco. The yield of coffee for 1892 was estimated at 8,000,000 bags; for Bahia alone the coffee yield in 1893 was 300,000 bags, and tobacco 303,200 bales. There are numerous central sugar factories with Government guarantee of interest at 6 or 7 per cent. In Rio Grande do Sul the cattle industry is important. The number killed in 1893 was 450,000. The number of hides, salted and dry, exported in 1893 was 575,160; 2,592,864 kilogrammes of tallow were exported and 24,474,077 kilogrammes of dried beef. In the same state are prosperous fruit preserving establishments, tanneries and breweries. Both the forests and mines of Brazil are of value, but little has been done to make use of them. There are 4 important gold mines worked by English or French companies. Of 3 of these the produce in 1891 was valued at 73,935*l*. Vast quantities of iron are known to exist, but they cannot be worked from want of fuel. Cotton mills are on the increase; in the State of Bahia there were at work in 1893 ten mills with upwards of 800 looms.

### Commerce.

In the five years from 1885–86 to 1890 the imports and exports were as follows:—

	Imports Milreis	Exports Milreis
1885–86 . . . . .	197,501,500	194,961,620
1886–87 (18 months) .	310,850,000	365,592,000
1888 . . . . .	260,999,000	212,592,000
1889 . . . . .	221,621,000	309,000,000
1890 . . . . .	260,100,000	317,822,000

The Government levies on most national products an export duty, while the import duties are very high.

The exports from Pará in 1891 amounted to the value of 50,029,213 milreis, of which 15,496,660 milreis went to Great Britain. Of the total exports from Pará, the value of 44,637,004 milreis consisted of india-rubber; 3,501,658 milreis of cocoa; 1,144,380 milreis of Brazil nuts. The export of coffee from Rio Janeiro has been, in bags of 60 kilogrammes: 1889, 2,743,737; 1890, 2,674,788; 1891, 3,186,957; 1892, 3,381,764; 1893, 2,438,154. From Santos the export has been: 1890-91, 3,051,097 bags; 1891-92, 3,588,142; 1892-93, 3,411,498. From Espirito Santo: 1890, 247,212 bags; 1891, 301,834; 1892, 278,189. In 1891-92 51,935 tons of sugar were exported from Pernambuco.

The trade of Brazil is mostly with Great Britain, the United States, Germany, and France.

In 1892 the imports into Brazil from North America amounted to 14,291,873 dollars, and the exports from Brazil to North America to 118,633,604 dollars.

The amount of the commercial intercourse of Brazil with the United Kingdom, according to the Board of Trade returns, is shown in the subjoined table, for each of the last five years:—

—	1889	1890	1891	1892	1893
Imports into U. K. from Brazil.	£ 5,070,628	£ 4,350,675	£ 4,249,909	£ 3,511,941	£ 4,636,102
Exports of British produce to Brazil . . .	6,232,316	7,458,628	8,290,039	7,910,325	7,773,433

The following are the values of the principal imports into Great Britain from Brazil:—Raw cotton, 681,005*l.* in 1891; 367,844*l.* in 1892; 1,179,643*l.* in 1893; unrefined sugar, 306,912*l.* in 1891; 243,771*l.* in 1892; 266,651*l.* in 1893; caoutchouc, in 1891, 1,765,450*l.*; 1,729,366*l.* in 1892; 2,029,858*l.* in 1893; coffee, in 1891, 592,890*l.*; 571,027*l.* in 1892; 516,240*l.* in 1893.

The most important article of British produce and manufacture exported to Brazil are manufactured cotton, the value of which was 2,573,083*l.* in 1891; 3,356,848*l.* in 1892; 3,551,990*l.* in 1893; wrought and unwrought iron, of the value of 718,365*l.* in 1892; 609,855*l.* in 1893; woollen manufactures, of the value of 411,193*l.* in 1892; 404,045*l.* in 1893; coals, of the value of 562,630*l.* in 1892; 459,171*l.* in 1893; and machinery, of the value of 763,236*l.* in 1892; 766,730*l.* in 1893.

The customs duties upon all articles of British manufacture are very heavy, averaging 45 per cent.

### Shipping and Navigation.

In 1893 there entered the port of Rio Grande do Sul, including the coast-wise trade 471 vessels of 200,798 tons (166 vessels British), and cleared 485 of 202,776 tons (159 vessels British). In 1893, in the foreign trade, 1,397 vessels, of 2,062,294 tons entered, and 1,218 vessels, of 1,924,449 tons cleared the port of Rio Janeiro; in 1892 965 of 1,297,712 tons (212 of 330,788 tons British) entered and cleared the port of Bahia. The merchant navy (vessels over 100 tons) in 1894 consisted of 164 steamers of 110,068 tons gross, and 126 sailing vessels of 35,908 tons net. From November, 1894, all coasting and river traffic will have to be carried on under the Brazilian flag.

### Internal Communications.

Brazil possessed in 1893 railways of a total length of 6,651 English miles open for traffic, besides 3,815 miles in process of construction, 5,340 under survey, and 9,071 to be surveyed. Of the lines open, 1,586 miles were State lines, 1,815 miles were subventioned lines, and 3,250 miles were non-subventioned lines. Of those under construction, 600 miles were State lines, and 2,485 were subventioned. Of the lines under survey, 3,650 miles appear as subventioned, and 1,325 miles as non-subventioned. Most of the railways have been constructed with the guarantee of the interest (mostly 6 and 7 per cent.) on the capital by the Government. The total cost of all the lines up to 1888 has been 488,148,327 milreis, of which 195,636,000 milreis are for State lines. The total receipts of the State railways alone in 1891 amounted to 21,733,383 milreis, and expenses to 14,229,521 milreis, but these expenses consisted only of employé's salaries.

The telegraph system of the country is under control of the Government. In 1892 there were 9,178 miles of line. There were 235 telegraph offices. In 1892 there were 1,143,360 messages.

The Post Office carried of letters 18,822,148 ; of journals and other printed matter 19,280,135, in the year 1890. There were 2,733 post-offices. Receipts, 1890, 3,243,421 milreis ; expenses, 9,323,108 milreis.

### Money and Credit.

The value of the coinage executed at the mint at Rio de Janeiro in 1890-91 was :—

—	Gold	Silver	Nickel	Bronze
	Milreis	Milreis	Milreis	Milreis
1890 . . . .	157,680	1,505,488	259,653	52,791
1891 . . . .	231,280	915,642	522,100	12,508

The circulation in Brazil is almost entirely paper money. The amount in circulation (including Treasury notes) at the end of 1893 is stated at 570,285,274 milreis. In 1892 the two chief banks of issue, the Banco do Brazil and the Banco da Republica were united as the Banco da Republica do Brazil, becoming responsible for the existing circulation, while the ultimate liability rests with the Government. The capital of the new bank is stated at 190,000,000 milreis. In 1889 the savings-banks of the country held 22,851,000 milreis.

The par of exchange in the early years of this century was 5s. 7½*d.* per milreis ; in 1833 it was fixed at 3s. 7½*d.* ; and in 1846 the present rate, 2s. 2½*d.* was established. The actual value in 1868 fell as low as 1s. 2*d.* ; in 1891 it touched 1s. 0½*d.* ; in 1892 (August), 10*d.*, and at the end of 1893 10*d.* to 10½*d.* The present low value is attributed to the effects of rash financial legislation and commercial speculation, as well as to the increase of the paper currency and the decrease of bullion deposits in the Treasury.

### Money, Weights, and Measures.

#### MONEY.

The *Milreis* of 1,000 *Reis* is of the value of 2s. 2½*d.*

The 10 milreis piece weighs 8·9648 grammes, ·916 fine, and thus contains 8·2178 grammes of fine gold.

The 2 milreis silver piece weighs 25·5 grammes, ·916 fine, and therefore contains 23·375 grammes of fine silver.

Professedly the standard of value is gold. Gold and silver coins have almost entirely disappeared, the actual circulating medium being inconvertible paper currency with nickel and bronze coins. English sovereigns are legal tender.

#### WEIGHTS AND MEASURES.

The French metric system, which became compulsory in 1872, was adopted in 1862, and has been used since in all official departments. But the ancient weights and measures are still partly employed. They are :—

The <i>Libra</i>	. . . . .	=	1·012 lbs. avoirdupois.
„ <i>Arroba</i>	. . . . .	=	32·38 „ „
„ <i>Quintal</i>	. . . . .	=	129·54 „ „
„ <i>Alqueire</i> (of Rio)	. . . . .	=	1 imperial bushel.
„ <i>Oitava</i>	. . . . .	=	55·34 grains.

### Diplomatic and Consular Representatives.

#### 1. OF BRAZIL IN GREAT BRITAIN.

*Envoy and Minister.*—Councillor J. A. de Souza Correa, appointed 1890.

*Secretary.*—Eduardo Lisboa.

*Consul-General in Liverpool.*—Baron de Rio Branco.

*Consul in London.*—Joaquin Corneiro de Mendoga.

There are Consular representatives at Belfast, Birmingham, Cardiff, Cork, Dublin, Dundee, Edinburgh, Glasgow, Hull, Manchester, Newcastle, Southampton, Adelaide, Bombay, Canada (C.G.), Cape Town, Hong Kong, Melbourne, Sydney.

#### 2. OF GREAT BRITAIN IN BRAZIL.

*Envoy and Minister.*—Edmund C. H. Phipps, C.B., appointed envoy to Brazil, September 3, 1894.

*Secretary.*—Geo. Greville.

There are Consular representatives at Rio de Janeiro (C.G.), Bahia, Pará, Pernambuco, Rio Grande do Sul, Santos, Ceará, Maceio, Maranhão, Porto Alegre.

### Statistical and other Books of Reference.

#### 1. OFFICIAL PUBLICATIONS.

Boletim da alfandega do Rio de Janeiro (weekly).

Collecção das leis do Imperio do Brazil e collecção das decisões do Governo do Imperio do Brazil. 8. Rio de Janeiro, 1864-87.

Relatorio apresentado a Assembleia Geral Legislativa pelo Ministro de Estado dos Negocios do Imperio. Ditto, da Agricultura, Commercio e Obras Publicas. Rio de Janeiro, 1893.

Empire of Brazil at the Universal Exhibition of 1876 at Philadelphia. 8. Rio de Janeiro, 1876.

Recenseamento do Estado do Rio de Janeiro, 30 de Agosto, 1892. 8. Rio de Janeiro, 1893.

Foreign Office Reports. Annual Series. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the Year 1893. Imp. 4. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

- Abreu and Cabral*. Brazil geografico-historico. Rio de Janeiro, 1884.  
*Agassiz* (Louis), Journey in Brazil. 8. London, 1868.  
*Araujo* (Oscar d'), L'Idée Républicaine au Brésil. Paris, 1893.  
*Bates* (H. W.), South America. London, 1882.  
*Bates* (H. W.), The Naturalist on the River Amazon. London, 1864.  
*Biggs-Wither* (Thomas P.), Pioneering in South Brazil. 8. London, 1878.  
*Brown* (C. B.), and *Lidstone* (W.), Fifteen Thousand Miles on the Amazon and its Tributaries. London, 1878.  
*Burton* (Capt. R. F.), Exploration of the Highlands of Brazil. 2 vols. 8. London, 1869  
 Constitution des Etats-Unis du Brésil. Paris, 1891.  
*Drut* (J. H.), A Year in Brazil. London, 1886.  
*Fleischer* (Rev. Jas. C.) and *Kidder* (Rev. D. P.), Brazil and the Brazilians. 9th ed. 8. London, 1879.  
*Ford* (Isaac N.), Tropical America. 8. London, 1893.  
*Gallenga* (A.), South America. London, 1880.  
*Grimm* (J. Th.), Heimatkunde des Staates Rio Grande do Sul. 8. Santa Cruz, 1891.  
*Hartt* (Charles F.), Geology and Physical Geography of Brazil. Boston, 1870.  
 Il Brasile. Rivista mensile agricola, commerciale, industriale, e finanziaria. Rio de Janeiro.  
*Keller* (Franz), The Amazon and Madeira Rivers. Fol. London, 1874.  
*Laemmert* (Eduardo von), Almanak administrativo, mercantil e industrial, da corte e provincia do Rio de Janeiro. Rio de Janeiro.  
*Le Brésil*. Paris (published weekly).  
*Levasseur* (E.), Le Brésil. Extract de la Grande Encyclopédie. 2me edition accompagnée d'un Appendice et d'un Album de Vues du Brésil. 4. Paris, 1889.  
*Orton* (James), The Andes and the Amazon; or, Across the Continent of South America. 8. New York, 1876.  
*Ourem* (Baron d'), Étude sur la Représentation Proportionale au Brésil. Paris, 1887.  
*Ourem* (Baron d'), Notice sur les Institutions de Prevoyance au Brésil. Paris, 1883.  
*Ourem* (Baron d'), Quelques Notes sur les Bureaux de Statistique au Brésil. Paris, 1885.  
*Sa* (C. de), Brazilian Railways. Rio de Janeiro, 1893.  
*Selys-Longchamps* (W. de), Notes d'un voyage au Brésil. 8. Bruxelles, 1875.  
*Smith* (H. H.), Brazil, the Amazon, and the Coast. London, 1880.  
*Sodrás* (L.), The State of Pará. London, 1893.  
*South American Journal*. Published weekly. London.  
*Vincent* (Frank), Round and About South America. New York, 1890.  
*Wallace* (Alfred R.), Travels on the Amazon and Rio Negro. 8. London, 1870  
*Wells* (J. W.), Three Thousand Miles through Brazil. London, 1886.

## CHILE.

(REPÚBLICA DE CHILE.)

### Constitution and Government.

THE Republic of Chile threw off allegiance to the Crown of Spain by the declaration of independence of September 18, 1810, finally freeing itself from the yoke of Spain in 1818. The Constitution, voted by the representatives of the nation in 1833, with a few subsequent amendments, establishes three powers in the State—the legislative, the executive, and the judicial. The legislative power is vested in the National Congress, consisting of two assemblies, called the Senate and the Chamber of Deputies. The Senate is composed of members, elected for the term of six years, in the proportion of one Senator for every three Deputies; while the Chamber of Deputies, composed of members chosen for a period of three years, consists of one representative for every 30,000 of the population, or a fraction not inferior to 15,000 (raised by law of August 9, 1888); both bodies are chosen by the same electors—the Chamber directly by departments, and the Senate directly by provinces. Electors must be 21 years of age, and can read and write. In 1887 there were 134,119 registered electors or 1 to 18 of the population. In the election of deputies in March 1888, 89,977 citizens voted or 67 per cent. of those who had the right to vote. Deputies must have an income of 100*l.* a year, and Senators 400*l.* The executive is exercised by the President of the Republic elected for a term of five years, by indirect vote, the people nominating, by ballot, delegates who appoint the President. A retiring President is not re-eligible. In legislation the President has a modified veto; a bill returned to the chambers with the President's objections may, by a two-thirds vote of the members present (a majority of the members being present), be sustained and become law.

*President of the Republic.*—Jorge Montt, for the period from 26 December, 1891 to 26 December, 1896.

The salary of the President is fixed at 18,000 pesos, with 12,000 pesos for expenses.

The President is assisted in his executive functions by a Council of State, and a Cabinet or Ministry, divided into seven departments, under six Ministers, viz.:—Of the Interior; of Foreign Affairs; of Worship and Colonisation; of Justice and Public Instruction; of Finance; of War and Marine; of Industry and Public Works. The Council of State consists of five members nominated by the President, and six members chosen by the Congress.

## LOCAL GOVERNMENT.

For the purposes of local government the Republic is divided into Provinces, presided over by *Intendents*; and the Provinces into Departments, with *Gobernadores* as chief officers. The Departments municipalities, which are popularly elected, the number of members varying with the number of the inhabitants, and their tenure of office being for three years.

## Area and Population.

The Republic is divided (according to rearrangement of 1887) into 23 provinces, subdivided into 74 departments and 1 territory. Departments and territories are subdivided into 865 sub-delegations and 3,068 districts.

In 1884 the province of Antofagasta was ceded to Chile by Bolivia, and those of Tarapacá and Tacna by Peru. The cession of Tacna was originally for ten years, at the end of which period a *plebiscite* of the province would decide to which country it should belong. Owing to troubles in Peru the decision has this year been deferred.

The following are the area and population of the provinces and territories, according to the census of November 26, 1885, and the estimated population together with the population per square mile in 1893:—

Provinces and Territories	Capitals	Area: Sq. Miles	Popula- tion 1885 Census	Pop. Estimated Dec. 1893	Pop. per Sq. Mile 1893
Magallanes, <i>territory</i>	Punta Arenas	75,292	2,085	3,452	—
Chiloé	Ancud	3,995	73,420	81,446	20·0
Llanquihue	Puerto-Montt	7,823	62,809	78,820	10·0
Valdivia	Valdivia	8,315	50,938	63,603	7·6
Arauco	Lebu	4,248	73,658	90,428	21·2
Cautín	Temuco	3,126	33,291	45,443	14·5
Malleco	Angol	2,856	59,492	73,458	25·7
Bio-Bio	Angeles	4,158	101,768	131,620	31·6
Concepción	Concepcion	3,535	182,459	237,844	67·2
Ñuble	Chillán	3,556	149,571	165,529	46·5
Maule	Cauquenes	2,930	124,145	129,079	44·0
Linares	Linares	3,488	110,652	118,878	34·1
Talca	Talca	3,678	133,472	162,001	44·0
Curicó	Curicó	2,913	100,002	106,553	36·6
Colchagua	San Fernando	3,795	155,687	162,488	42·8
O'Higgins	Rancagua	2,524	87,641	93,537	36·9
Santiago	Santiago	5,223	329,753	401,561	76·8
Valparaíso	Valparaíso	1,637	203,320	227,928	139·2
Aconcagua	San Felipe	5,840	144,125	156,027	26·7
Coquimbo	Serena	12,905	176,344	197,085	15·2
Atacama	Copiapó	43,180	76,566	71,429	1·6
Antofagasta	Antofagasta	60,968	21,213	36,589	0·6
Tarapacá	Iquique	19,300	45,086	48,638	2·9
Tacna	Tacna	8,685	29,523	31,895	3·6
Grand Total		293,970	2,527,320	2,915,332	9·6

The estimate for 1893 is based on the Census of 1885, which was admittedly incomplete. The official estimate adds 15 per cent., or 399,889 for omissions, and 50,000 as the number of Indians, bringing the total population of Chile up to 3,365,221.

In 1885 there were in Chile 1,263,645 males and 1,263,675 females. At the last census (1885) the foreign population amounted to 87,077 persons, of

whom 34,901 were Peruvians, 13,146 Bolivians, 9,835 Argentines, 6,808 German, 5,303 English, 4,193 French, 4,114 Italian, 2,508 Spanish, 1,275 Swiss, 1,164 Chinese, 924 Anglo-American, 674 Austrian, 434 Swedish and Norwegian, and the rest from other countries of Europe and of America.

The total urban population in 1885 was 1,062,544, and the rural 1,464,776. The two largest towns of Chile are Santiago, the capital, and Valparaiso, the first of which had 250,000, and the second 150,000 inhabitants in 1890; other towns are Talca, 24,000; Concepcion, 24,000; Chillan, 21,000; Serena, 17,000; Iquique, 16,000; Tacna, 14,000; San Felipe, 12,000; Copiapó, 10,000; Curicó, 11,000.

The registration of births, marriages, and deaths in Chile began in 1885, but the resulting statistics are acknowledged to be of little value. The most recent official figures are:—

Year	Births	Marriages	Deaths	Surplus of Births
1885	61,965	5,120	66,818	- 4,853
1886	73,241	5,985	67,451	5,790
1891	79,235	6,853	89,422	- 10,187
1892	103,065	12,895	99,371	3,694

### Religion.

The Roman Catholic is the religion of the State, but according to the Constitution all religions are respected and protected. The clergy in charge of dioceses and parishes are subsidised by the State. There is one archbishop and three bishops. Civil marriage is the only form acknowledged by law.

### Instruction.

Education is gratuitous and at the cost of the State. It is divided into superior or professional, medium or secondary, and primary or elementary instruction. Professional and secondary instruction is provided in the University and the National Institute of Santiago, and in the lycéums and colleges established in the capitals of provinces, and in some departments. The branches included are law, mathematics, medicine, and fine arts. The number of students inscribed for the study of these branches in 1892 was 1,179. The number of students at the National Institute and provincial colleges in 1893 was 6,846. There are, besides, normal, agricultural, and other special schools. There were in 1892 1,196 public primary schools in the country, with 109,083 pupils, and an average attendance of 71,179, and 2,048 teachers. There were also 410 private schools, with an attendance of 28,789. At the census of 1885 there were 600,634 children between 6 and 15 years of age. At the census of 1885, 634,627 people could read and write, and 96,636 could only read. The National Library contains over 80,000 volumes of printed books, and 24,048 manuscripts.

### Justice and Crime.

There are, in addition to a High Court of Justice in the capital, six Courts of Appeal, Courts of First Instance in the departmental capitals, and subordinate courts in the districts. At the end of 1892 there were in the penal establishments of Chile 651 prisoners condemned to lengthened imprisonment; 607 to shorter terms; 496 to simple incarceration; 3,190 were under trial, and 165 were under detention.



## Finance.

The public revenue is mainly derived from customs duties, while the chief branches of expenditure are for the national debt and public works and salaries.

The following, according to official statement, shows the income and expenditure of Chile, for five years, in paper pesos :—

Year	Revenue	Expenditure
	Pesos	Pesos
1888 .	50,182,614	46,135,501
1889 .	62,457,934	61,247,783
1890 .	59,255,783	75,063,376
1892 .	62,400,000	60,900,000
1893 .	65,794,439	62,692,500

The ordinary revenue for 1893 amounted to 57,537,439 pesos in currency and 825,700*l.* sterling; the expenditure to 51,892,500 pesos in currency, and 1,080,000*l.* sterling. For 1894 the estimated revenue in currency was 49,754,276 pesos, and in gold 1,427,389*l.* sterling.

The estimated income and expenditure of Chile for 1895 were :—

Revenue	Paper Pesos	Expenditure	Paper Pesos	Gold
Import duties . . .		Interior . . . . .	4,504,513	£ 8,996
Exp rt duties . . .		Foreign Affairs, Wor- ship, & Colonisation	1,293,663	48,840
Agricultural tax . .		Justice and Public In- struction . . . . .	8,362,826	20,765
Stamps . . . . .		Finance . . . . .	5,234,147	643,405
Post-Office & Telegraphs		War . . . . .	7,524,741	6,050
Storage and Wharfage .		Marine . . . . .	6,678,433	50,221
Railways . . . . .		Industry and Public Works . . . . .	23,492,910	1,530
Miscellaneous . . .		Total . . . . .	57,091,233	779,807
Total . . . . .	70,502,288			
Besides gold . . . .	£1,647,302			

The paper peso was worth about 1*s.* 0½*d.* in 1894.

In July, 1894, the public debt of Chile was :—

External debt . . . . .	£11,712,420
Internal debt . . . . .	6,597,114
Total . . . . .	£18,309,534

The service of the external debt costs 605,000*l.*, and of the internal, 1,100,000 dollars, or 55,000*l.* The interest on the external debt is at 4½ and 5 per cent.

## Defence.

By the law of February 2, 1892, the strength of the army must not exceed 6,000 men, distributed between 3 regiments of artillery, 7 of infantry, 4 of cavalry, and a corps of engineers. There are 5 generals of division, 4 of brigade, 17 colonels, 40 lieutenant-colonels, and 460 inferior officers. Besides the regular army there is a National Guard, composed of citizens. In 1894 this force consisted of—artillery 8,970, infantry 42,120; in all 51,090 men.

At the present time the Chilean fleet, including ships building, consists of 3 armourclads, 4 deck-protected cruisers, several small cruisers of the gunboat class, and a small torpedo flotilla. Classified according to the system adopted in this book (see Introductory Table), the actual strength is as follows:—1 first-class battleship (*Capitan Prat*); 1 port-defence armourclad (*Huascar*); 1 armoured cruiser (*Almirante Cochrane*); 4 second-class cruisers; 2 third-class cruisers *a*, and 8 of the same class *b*; 6 second-class and 3 third-class torpedo boats, besides a few others for harbour service. The small battleship *Capitan Prat* (6,900 tons), built at La Seyne, is a vessel of most interesting character, combining a high speed (18½ knots) with a powerful armament, and sufficient protection. All her guns are worked either by electricity or by hand. Four 9½-in. Canet guns, in armoured barbettes, are dispersed in the form of a lozenge, one at the bows, one at the stern, and one on either broadside. Eight 4¾-in. Q.F. guns are coupled in four closed turrets, and there are 24 smaller Q.F. pieces, as well as machine guns. The ironclad *Almirante Cochrane* was built at Hull in 1874 from the designs of Sir E. J. Reed; 3,500 tons displacement, 2,920 horse-power, 9-inch armour at the water-line, with six 18-ton and 4 Q.F. guns; speed 13 knots. The protected cruiser, *Esmeralda*, was launched in June 1883, at the works of Sir W. G. Armstrong & Co.; 3,000 tons displacement, armour 1 inch thick, engines 6,500 horse-power; two 24-ton breech-loading guns, six 4-ton guns besides machine-guns; 18 knots an hour. The smaller second-class sister cruisers (2,080 tons, 19 knots) *Presidente Errazuriz* and *Presidente Pinto* have more recently been launched at La Seyne; and, in September, 1893, another cruiser (4,500 tons) was launched at Elswick. She has been named the *Blanco Encalada*, and replaces the vessel of the same name which was torpedoed in the late civil war. Her speed and gunnery trials were very successful. With natural draught she attained 21·75 knots, and with forced draught 22·78 knots.

## Industry.

About 1½ million of the population are engaged in agriculture. Chile produces annually about 27 million bushels of wheat, and 8 million bushels of other cereals, besides fruits, vegetables &c. In 1888, 66,030 gallons of wine were exported. Over 500,000 head of cattle and 2,000,000 sheep, goats, &c. are annually reared in the country. Of mineral produce the yield of fine copper in 1890 was 26,120 tons; in 1891, 19,875 tons; the average of other minerals is about 335,000 lbs. of silver, 1,000 lbs. of gold, 10 million tons of coal.

The nitrate fields of Chile are estimated to cover 89,177 hectares, and to contain 2,316 millions of metric quintals of the nitrate of commerce. The total produce is stated to have been 550,000 tons in 1884; 420,000 in 1885; 443,000 in 1886; 702,000 in 1887; 773,000 in 1888; 903,000 in 1889; 1,009,000 in 1890; and 877,000 in 1891; 804,842 in 1892; 948,861 in 1893. A large amount of British capital has recently been employed in developing the nitrate industry of Chile.

Commerce.

For 1893 the imports have been estimated at 1,143,975*l.*; and the exports at 9,770,000*l.*, two-thirds of the exports being nitrate.

The following table shows the value of the imports and exports of Chile (including bullion and specie) for five years (in pesos, valued legally at 3*s.* 2*d.*):—

—	1889	1890	1891	1892	1893
Imports	Pesos 65,090,013	Pesos 67,889,079	Pesos 63,699,190	Pesos 78,003,104	Pesos 68,235,874
Exports	65,963,100	67,714,004	65,695,483	64,205,038	72,245,114

The following table shows the leading imports and exports for two years:—

Imports	1891	1892	Exports	1891	1892
	Pesos	Pesos		Pesos	Pesos
Sugar	5,700,072	5,855,101	Nitre	32,418,491	31,785,060
Cattle	4,634,980	5,245,406	Wheat	7,239,752	6,196,457
White cottons	1,505,088	3,338,530	Iodine	4,240,190	5,138,460
Coal	4,113,770	3,078,044	Copper in bar	4,872,964	5,076,922
Chintzes	1,176,284	2,602,692	Silver in bar	4,506,771	5,017,390
Tocuyos	701,869	1,673,752	Shoe leather	1,265,058	814,328
Candles	669,334	1,340,940	Gold in bar	479,789	683,638
Tea	636,825	1,264,351	Manganese ore	356,106	516,851
Ingots	1,311,282	905,800	Barley	415,567	453,971
Iron in bar & blocks	512,668	658,586	Wool	454,144	434,496
Rice	694,109	524,703	Silver ore	174,289	418,077
Coffee	302,496	477,569	Flour	398,542	273,171
Yerba- mate	1,211,625	343,300	Beans	208,364	177,567

The trade of the leading ports was as follows in 1891 and 1892:—

	Imports 1891	Imports 1892	Exports 1891	Exports 1892
	Pesos	Pesos	Pesos	Pesos
Valparaiso	40,913,437	53,525,404	7,966,780	8,299,560
Iquique	7,232,009	5,787,905	23,305,786	22,437,884
Pisagua	1,591,357	1,114,375	10,839,476	8,704,866
Talcahuano	5,221,845	8,578,271	6,574,168	5,641,583
Coquimbo	2,456,474	2,837,336	3,764,582	3,712,762
Antofagasta	2,419,734	1,420,143	2,567,094	2,744,438
Coronel	517,827	1,121,536	3,498,975	3,560,379

For the years stated the foreign trade of Chile was distributed as follows :—

Countries	Imports from (1889)	Imports from (1890)	Exports to (1889)	Exports to (1890)
	Pesos	Pesos	Pesos	Pesos
Great Britain . . . . .	27,892,000	29,479,000	48,394,360	46,035,857
Germany . . . . .	14,789,000	15,680,000	5,413,838	6,356,470
France . . . . .	6,549,000	6,845,000	2,243,453	2,324,455
United States . . . . .	3,842,000	5,217,000	3,781,411	8,540,075
Peru . . . . .	3,582,000	2,293,000	1,430,995	2,164,725
Argentine Republic . . . . .	5,236,000	4,435,000	44,439	35,808
Brazil . . . . .	513,000	727,000	289,988	79,548
Italy . . . . .	696,000	446,000	129,850	43,252

The commercial intercourse between Chile and the United Kingdom is shown in the subjoined tabular statement in each of the last five years, according to the Board of Trade returns :—

—	1889	1890	1891	1892	1893
Imports into U. K. from Chile . . . . .	£ 3,264,573	£ 3,473,348	£ 3,710,356	£ 3,871,399	£ 3,797,429
Exports of British pro- duce to Chile	2,933,708	3,130,072	2,000,550	3,734,697	2,385,621

The staple articles of import from Chile into the United Kingdom are copper and nitre. In the year 1893 the value of the total imports of copper from Chile into Great Britain amounted to 702,616*l.*; nitre, 733,733*l.*; wheat and barley, 946,098*l.*; silver ore, 510,965*l.*; sugar of the value of 10,977*l.*; chemical products, 214,993*l.*; and wool, 168,919*l.*

The principal articles of British produce exported to Chile are cotton and woollen manufactures and iron. In 1893 the total exports of cotton fabrics to Chile were of the value of 605,051*l.*; of woollens, 334,064*l.*; of iron, wrought and unwrought, 424,785*l.*; coal, &c., 142,729*l.*; hardware, 46,757*l.*; machinery, 200,007*l.*

### Shipping and Navigation.

The commercial navy of Chile consisted, on January 1, 1894, of 137 vessels (of 100 tons and above), of 102,199 tons, of which 39 were steamers, of 43,741 tons gross. In 1892 there entered the ports of the Republic (including coasting trade) 8,369 vessels of 9,001,369 tons, and cleared 8,371 of 8,923,222 tons. Of vessels engaged in the foreign trade in 1891 a total tonnage of 2,245,572 entered; of these vessels about three-tenths in number and tonnage were British, four-tenths Chilean, and two-tenths of other nationalities. There are English, German, and French lines of steamers from the coasts of Chile to Europe, through the Straits of Magellan, and English and Chilean lines to Peru and Panama.

### Communications.

Chile was the first State in South America in the construction of railways. In 1892 the total length of lines open for traffic was 1,735 English miles, of which 686 belonged to the State. Of the Trans-Andine railway from Santa Rosa to Mendoza, 18 miles of the Chilian section and 88 of the Argentine section are open, 42 miles of line being still required to unite the sections. The cost of the State lines to the end of 1890 was 58,827,349 pesos.

The post-office in 1892 transmitted 23,458,507 letters, 1,740,771 post-cards, circulars, &c., and 24,706,325 newspapers and other printed matter. There were 538 post-offices, 967 letter-boxes, and 1,215 employees. Postal revenue, 1892, 851,893 dollars; expenditure 842,194 dollars.

The length of State telegraph lines at the end of 1893, was 6,965 miles, with 8,330 miles of wire. There were 184 offices and 342 telegraph employees. In 1893, 894,280 telegrams were sent. The railway and private lines, over 4,500 miles in length, are not included in these figures. The State (1893) worked 21 telephones.

### Money and Credit.

The number of banks of issue in Chile was 27 in 1893. Their joint capital amounted to 41,321,620 pesos, and their registered issue to 15,541,672 pesos. There are also a number of land banks which issue scrip payable to bearer and bearing interest, and lend money secured as a first charge on landed property and repayable at fixed periods.

The conversion law of 1892 provides that on January 1, 1896, 46,459,364 dollars of State and bank notes shall be redeemed at the rate of 24d. per peso. On July 10, 1894, the conversion fund had, in gold, silver, and drafts, 10,855,027 pesos. It is intended to resume specie payment on July 1, 1896, and from January 1, 1897, the paper currency will cease to be legal tender. In 1893 silver was coined to the amount of 481,405 pesos; and copper 4,313 pesos.

### Money, Weights, and Measures.

#### MONEY.

The silver *Peso* of 100 *Centavos* is of the value of 3s. 9d.

Gold coins are 10, 5, 2, and 1 peso pieces, called respectively the *Condor*, *Medio-Condor* or *Doblon*, *Escudo*, and *Peso*. The 5-*peso* gold piece weighs 7.6265 grammes .900 fine and therefore contains 6.8639 grammes of fine gold. Silver coins are the *peso*, and the half, fifth, &c. of a peso. The paper peso in 1894 was worth about 1s. 0½d. The metallic currency is practically silver. The paper currency is being redeemed.

In 1892 an Act was passed for the establishment of a new system of coinage on a gold basis to come into use on 1 July, 1895. The unit of value will be the gold peso. The *doblon* (= 10 pesos) will be of the same weight and fineness as the English sovereign (7.9881 grammes .916 fine) and English and Australian sovereigns will be legal tender. The silver coinage will be .835 fine and will be legal tender only up to 20 pesos.

#### WEIGHTS AND MEASURES.

The <i>Ounce</i> . . . . .	=	1.014 ounce avoirdupois.
„ <i>Libra</i> . . . . .	=	1.014 lb. „
„ <i>Quintal</i> . . . . .	=	101.44 „ „
„ <i>Vara</i> . . . . .	=	0.927 yard.
„ <i>Square Vara</i> . . . . .	=	0.859 square yard.

The metric system has been legally established in Chile, but the old weights and measures are still in use to some extent.

## Diplomatic and Consular Representatives.

### 1. OF CHILE IN GREAT BRITAIN.

*Envoy and Minister.*—Don Augusto Matte (resident in Paris).

*Secretary.*—Don Luis Izquierdo.

There are Consular representatives at Cardiff, Dublin, Dundee, Edinburgh, Glasgow, Hull, Leith, Liverpool, Newcastle, Southampton; Adelaide, Auckland, Cape Town, Hong Kong, Melbourne, Montreal, Sydney.

### 2. OF GREAT BRITAIN IN CHILE.

*Minister and Consul-General.*—John Gordon Kennedy, appointed October 1, 1888.

There are Consular representatives at Coquimbo, Valparaiso (C.G.), Antofagasta (V.C.), Arica (V.C.), Caldera, Coronel, Iquique (C.), Lota, Pisagua (V.C.), Punta Arenas (V.C.), Talcahuano (V.C.), Tomé.

## Statistical and other Books of Reference concerning Chile.

### 1. OFFICIAL PUBLICATIONS.

Annuario Estadístico, for the years 1835-86. Fol. Valparaiso, 1893.

Memorias presentadas al Congreso nacional por los Ministros de Estado en los departamentos de Relaciones Exteriores, Hacienda, &c. Santiago, 1894.

Estadística comercial de la República de Chile. 8. Valparaiso, 1894.

Synopsis estadística y geográfica de Chile 1893. Santiago, 1894.

Reports on the trade, manufactures, agriculture of Chile in Foreign Office Reports, annual series. London, 1894.

Report on the Export of Nitre from Chile in 1890. 'Deutsches Handels-Archiv,' June 1891. Berlin.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Arana* (Diego Barros), La guerre du Pacifique. Paris, 1882; and Historia general de Chile.

*Asta-Buruaga* (Francisco S.), Diccionario geográfico de la República de Chile. 8. New York, 1867.

*Ball* (John), Notes of a Naturalist in South America. London, 1887.

*Bates* (H. W.), South America. London, 1882.

*Child* (Theodore), The Spanish American Republics. London, 1891.

*Fonck* (Dr. Fr.), Chile in der Gegenwart. 8. Berlin, 1870.

*Gay* (Claudio), Historia general de Chile.

Guerre entre le Chili, le Pérou et Bolivie en 1879. Paris, 1879.

*Hancock* (A. M.), A History of Chili. 8. Chicago, 1893.

*Innes* (G. Rose-), The Progress and Actual Condition of Chile. 8. London, 1875.

*Kunz* (Hugo), Chile und die Deutschen Colonien. Leipzig, 1891.

*Mackenna* (Vicuña), Obras históricas sobre Chile.

*Markham* (C. R.), The War between Chile and Peru, 1879-81. London, 1883.

*Rosales* (R. P. Diego de), Historia general del Reyno de Chile. 3 vols. 8. Valparaiso, 1877-78.

*Vincent* (Frank), Round and about South America. New York, 1890.

## CHINA.

(CHUNG KWOH, 'THE MIDDLE KINGDOM.')

### Reigning Emperor.

*Tsai'tien*, Emperor—*Hwangti*—of China; born 1871; the son of Prince *Ch'un*, seventh brother of the Emperor Hien-Fêng; succeeded to the throne by proclamation, at the death of Emperor T'ung-chi, January 22, 1875.

The present sovereign, reigning under the style of Kwangsü, is the ninth Emperor of China of the Manchu dynasty of Ts'ing, which overthrew the native dynasty of Ming, in the year 1644. There exists no law of hereditary succession to the throne, but it is left to each sovereign to appoint his successor from among the members of his family of a younger generation than his own. The late Emperor, dying suddenly in the eighteenth year of his age, did not designate a successor, and it was in consequence of arrangements directed by the Empress Dowager, widow of the Emperor Hien-Fêng, predecessor and father of T'ung-chi, in concert with Prince Ch'un, that the infant son of the latter was made the nominal occupant of the throne. There were two dowager Empresses concerned in the arrangements—the 'Eastern,' the Empress widow of Hien-Fêng, and the 'Western,' the mother of the T'ung-chi Emperor. The 'Western' still lives, and has lately withdrawn from power. Having become of age the young Emperor nominally assumed government in March 1887. The Emperor did not assume full control of the government till February 1889, when the Empress Dowager withdrew. He was married on February 26, 1889.

### Government.

The laws of the Empire are laid down in the *Ta-ts'ing-hwei-tien*, or 'Collected Regulations of the Ts'ing dynasty,' which prescribe the government of the State to be based upon the government of the family.

The supreme direction of the Empire is vested in the *Chün Chi Ch'u*, the Privy Council, or Grand Council. The administration is under the supreme direction of the *Nei-ko* or Cabinet, comprising four members, two of Manchu and two of Chinese origin, besides two assistants from the *Han-lin*, or Great College,

who have to see that nothing is done contrary to the civil and religious laws of the Empire, contained in the Ta-ts'ing-hwei-tien and in the sacred books of Confucius. These members are denominated 'Ta-hsio-shih,' or Ministers of State. Under their orders are the Ch'i-pu, or seven boards of government, each of which is presided over by a Manchu and a Chinese. Formerly there were only Liu-pu or six boards, but towards the end of 1885 the seventh, or admiralty board (Hai-pu), was created by imperial decree. These boards are:—(1) the board of civil appointments, which takes cognisance of the conduct and administration of all civil officers; (2) the board of revenues, regulating all financial affairs; (3) the board of rites and ceremonies, which enforces the laws and customs to be observed by the people; (4) the military board; (5) the board of public works; (6) the high tribunal of criminal jurisdiction; and (7) the admiralty board.

Independent of the Government, and theoretically above the central administration, is the Tu-ch'a-yuen, or board of public censors. It consists of from 40 to 50 members, under two presidents, the one of Manchu and the other of Chinese birth. By the ancient custom of the Empire, all the members of this board are privileged to present any remonstrance to the sovereign. One censor must be present at the meetings of each of the Government boards.

### Area and Population.

Hitherto the population of China, it is believed, has been much over-estimated; a recent estimate of the population of China Proper will be found below. The following table gives a statement of the area and population of the whole of the Chinese Empire according to the latest estimates:—

	Area	Population
	Eng. sq. miles	
China Proper . . . . .	1,336,841	386,000,000
Dependencies:—		
Manchuria . . . . .	362,310	7,500,000
Mongolia . . . . .	1,288,000	2,000,000
Tibet . . . . .	651,500	6,000,000
Jungaria . . . . .	147,950	600,000
East Turkestan . . . . .	431,800	580,000
Total . . . . .	4,218,401	402,680,000

The territory of Corea is sometimes added to this total.

According to official data referring to 1842 the population of the 19 provinces of China Proper was 413,000,000; other estimates gave 350,000,000. In the following table the figures



with an \* are from Chinese official data for 1882; those with a † have the population of 1879; Fukien is estimated on the basis of the census of 1844.

Provinces	Area: English square miles	Population	Population per square mile
Chili †	58,949	17,937,000	304
Shantung *	53,762	36,247,835	557
Shansi *	56,268	12,211,453	221
Honan *	66,913	22,115,827	340
Kiangsu *	44,500	20,905,171	470
Nganhwei	48,461	20,596,288	425
Kiangsi †	72,176	24,534,118	340
Chêhkiang *	39,150	11,588,692	296
Fukien with Formosa	53,480	25,790,556	482
Hupei *	70,450	33,365,005	473
Hunan *	74,320	21,002,604	282
Shensi †	67,400	8,432,193	126
Kansu †	125,450	9,285,377	74
Szechuen *	166,800	67,712,897	406
Kwangtung with Hainan *	79,456	29,706,249	377
Kwangsi †	78,250	5,151,327	65
Kweichow †	64,554	7,669,181	118
Yünnan †	107,969	11,721,576	108
Total	1,327,308	386,853,029	289

After the settlement of the hostilities with France, Formosa was separated from Fukien and made an independent (19th) province under a governor.

According to a return of the Imperial Customs authorities, the total number of foreigners resident in the open ports of China was 9,891 at the end of 1893. Among them were 4,163 British subjects, 1,336 Americans, 1,017 Japanese, 786 Frenchmen, 777 Germans, 410 Portuguese, and 357 Spaniards, all other nationalities being represented by very few members. About one-half of the total number of foreigners resided at Shanghai.

### Religion.

Three religions are acknowledged by the Chinese as indigenous and adopted, viz. Confucianism, Buddhism, and Taoism.

The Emperor is considered the sole high priest of the Empire, and can alone, with his immediate representatives and ministers, perform the great religious ceremonies. No ecclesiastical hierarchy is maintained at the public expense, nor any priesthood attached to the Confucian religion. The Confucian is the State religion, if the respect paid to the memory of the great teacher can be called religion at all. But distinct and totally separate from the stated periodic observances of respect offered to the memory

of Confucius as the Holy Man of old, and totally unconnected therewith, there is the distinct worship of Heaven (t'ien), in which the Emperor, as the 'sole high priest,' worships and sacrifices to 'Heaven' every year at the time of the winter solstice, at the Altar of Heaven, in Peking.

With the exception of the practice of ancestral worship, which is everywhere observed throughout the Empire, and was fully commended by Confucius, Confucianism has little outward ceremonial. The study and contemplation and attempted performance of the moral precepts of the ancients constitute the duties of a Confucianist.

Buddhism and Taoism present a very gorgeous and elaborate ritual in China, Taoism—originally a pure philosophy—having abjectly copied Buddhist ceremonial on the arrival of Buddhism 1,800 years ago.

Large numbers of the Chinese in Middle and Southern China profess and practise all three religions. The bulk of the people, however, are Buddhist. There are probably about 30 million Mahometans, chiefly in the north-east and south-west. Roman Catholicism has long had a footing in China, and is estimated to have about 1,000,000 adherents, with 25 bishoprics besides those of Manchuria, Tibet, Mongolia, and Corea. Other Christian societies have stations in many parts of the country, the number of Protestant adherents being estimated at 50,000.

Most of the aboriginal hill-tribes are still nature-worshippers, and ethnically are distinct from the prevailing Mongoloid population.

### Instruction.

Education of a certain type is very general, but still there are vast masses of adult countrymen in China who can neither read nor write. There is a special literary or lettered class who alone know the literature of their country, to the study of which they devote their lives. Yearly examinations are held for literary degrees and honours, which are necessary as a passport to the public service; and in 1887, for the first time, mathematics were admitted with the Chinese classics among the subjects of the examinations. Recently, Western literature, and especially works of science, have been introduced in translations, and schools for the propagation of Western science and literature are continually on the increase. The principal educational institution for this purpose is the 'Tung Wên Kwan,' or College of Foreign Knowledge, at Peking, a Government institution, where the English, French, German, and Russian languages, and mathematics, astronomy, meteorology, chemistry, natural history, physiology, anatomy, and Western literature are taught by European and American professors, while the Chinese education of the pupils is entrusted to Chinese teachers. There are besides several colleges under the control of some of the numerous Roman Catholic and Protestant missionary bodies at Shanghai; and a number of smaller or elementary schools at Shanghai and other ports, where the English language and lower branches of Western science only form the subjects of study. The Chinese Government has of late years established naval and military colleges and torpedo schools in connection with the different arsenals at Tientsin, Nanking, Shanghai, and Foochow, in which foreign instructors are engaged to teach such young Chinese as intend to make their career in the army or navy of their country Western modes of warfare, besides Western languages and literature. Three Chinese newspapers are published at Shanghai, and the success they have achieved has led to the establishment of others at some of the other treaty ports.

## Finance.

The amount of the public revenue of China is not known. According to one estimate the total receipts of the Government in recent years averaged 25,000,000*l.*, derived from taxes on land, grain, salt, and customs duties. The land tax in the north does not exceed 3*s.* per acre yearly, and the highest rate in the south is 13*s.*

The following is an estimate of the ordinary revenue of the Chinese Government :—

	Haikwan taels
Land tax, portion payable in silver . . . . .	20,000,000
Rice tribute . . . . .	2,800,000
Salt taxes and levies . . . . .	9,600,000
Maritime customs under foreign supervision (including Likin on opium) . . . . .	23,500,000
Native customs, maritime and inland . . . . .	6,000,000
Transit levy on miscellaneous goods and opium, foreign and native . . . . .	11,000,000
Licences . . . . .	2,000,000
Total normal revenue . . . . .	74,900,000

Other two sources resorted to in times of necessity are sale of office and forced contributions among the wealthy ; the former was abolished by imperial decree in 1878. The sale of brevet rank is, however, still in vogue.

The receipts from the foreign customs alone are made public. They amounted to 7,872,257 haikwan taels, or 2,361,677*l.* (ex. 6*s.*), in 1864, and, gradually increasing, have risen to 21,823,762 haikwan taels (including 6,085,290 taels, opium Likin), or 5,160,410*l.* (ex. 4*s.* 8½*d.*), in 1889, to 21,996,226 haikwan taels (including 6,129,071 taels, opium Likin), or 5,705,271*l.* (ex. 5*s.* 2¼*d.*), in 1890, to 23,518,021 haikwan taels (including 6,197,906 taels, opium Likin), or 5,781,513*l.* (ex. 4*s.* 11*d.*), in 1891 ; to 22,689,054 haikwan taels (including 5,667,007 taels, opium Likin), or 4,939,596*l.* (ex. 4*s.* 4¼*d.*), in 1892 ; and to 21,989,300 haikwan taels (including 5,362,733 taels, opium Likin), or 4,329,143*l.* (ex. 3*s.* 11¼*d.*), in 1893.

The expenditure of the Government is mainly for the army, the maintenance of which is estimated to cost 15,000,000*l.* per annum on the average.

China had no foreign debt till the end of 1874. In December 1874, the Government contracted a loan of 627,675*l.*, bearing 8 per cent. interest, secured by the customs revenue. A second 8 per cent. foreign loan, likewise secured on the customs, to the amount of 1,604,276*l.*, was issued in July 1878. Two silver loans have since been contracted, a loan of 1,505,000*l.* in 1884, and loans amounting to about 2,250,000*l.* in 1886. In February 1887 a loan of 250,000*l.* was arranged in Germany. In 1895 a war loan of 3,000,000*l.* was raised. Various small silver loans, generally for local viceroys, have also been floated in Shanghai and Hong Kong. The total external debt is estimated at about 9,000,000*l.*

## Defence.

### ARMY.

According to Chinese official statistics the army is composed as follows :—

1. *The Eight Banners*, including Manchus, Mongols, and the Chinese who joined the invaders under the Emperor Shunchih in

A.D. 1644—total 323,800. Of these 100,000 are supposed to be reviewed by the Emperor at Peking once a year. The number of guards in the Forbidden City, each of whom holds military rank, is given as 717.

2. *The Ying Ping*, or National Army, having 6,459 officers and 650,000 privates. The pay of the infantry is from 5s. to 10s. a month, and the cavalry receive about 1l., out of which each man must feed his horse, and replace it if the one originally supplied by the Government is not forthcoming.

It is impossible to obtain any very reliable information about the Chinese army, but it is stated that great improvements have taken place since the last occasion upon which Chinese troops were opposed to Europeans. Large quantities of foreign-made arms have been purchased, and the arsenals in China, under foreign supervision, are said to be daily turning out both arms and ammunition. Captain Norman, in his book, 'Tonquin,' divides the army as follows:—

I. *The Active Army*, comprising:—

1. The Army of Manchuria;
2. The Army of the Centre; and
3. The Army of Turkestan.

II. *The Territorial Army*.

He gives the number of the Army of Manchuria as 70,000 men, divided into two army corps, the head-quarters of the one being at Tsitsihar the capital, and of the other at Moukden. Many of these troops are armed with the Mauser rifle, and possess a liberal supply of Krupp 8 centimètre field cannon. The Army of the Centre, having its head-quarters at Kalgan, an important town to the N.W. of Peking, is numbered at 50,000 men in time of peace. This number, however, can be doubled in case of war. The men are a hardy race, and are armed with Remington rifles. The Army of Turkestan is employed in keeping order in the extreme western territories, and could not, in all probability, be moved eastward in the event of war with a European foe. The Territorial Army, or 'Braves,' is a kind of local militia, capable of being raised to a strength of probably 600,000 men. The numbers are kept down in time of peace to 200,000. The Tartar cavalry of the north are mounted on undersized but sturdy ponies. The small size of their horses, and their wretched equipment, render them no match for European cavalry. Permanent Manchu garrisons under Manchu officers are established in a few of the great cities on the coast and along the frontier.

## NAVY.

The Chinese navy, during the war with Japan, has disappointed those who regarded it as an effective fighting force. Directed by the Tsung-li-Yamen to remain in Chinese waters, it was practically condemned to uselessness; the provincial system of its organization was a bar to combined action; brave though its seamen showed themselves in many ways, they were demoralized under the command of inefficient and often corrupt officers; and it had fallen from the efficient state to which it had been brought by a British officer of

high attainments during the years which had elapsed since his removal, through the jealousy of native officials. At the opening of hostilities, on July 25th, 1894, when the *Kcwshing* transport was sunk, an engagement took place between the Japanese cruiser *Yoshino* and the *Tsi-Yuen*, with other vessels, and the small Chinese cruiser *Kuang-Yi* was driven ashore and destroyed. In the battle of the Yalu (September 17th), or in immediate consequence of that action, the barbette armour-clad *King Yuen*, 2,850 tons, and the cruisers *Chih Yuen*, 2,300 tons, *Chao Yung*, 1,350 tons, *Yang Wei*, 1,350 tons, and *Kuang Ki*, 1,030 tons, were sunk or burned. The Chinese fleet is organized in district squadrons, which are severally raised and maintained by the provincial viceroys. The Pei Yang, or northern squadron, which is the only real fighting force of the empire, consists, after the losses of the Yalu, of the sister armour-clads *Chen Yuen* and *Ting Yuen*, 7,280 tons, which did excellent service in that action (but were destroyed at the attack on Wei-Hai-Wei), the *Lai Yuen*, 2,850 tons, and the *Tsi Yuen*, 2,320 tons, with the coast-defence armour-clad *Ping Yuen*, 2,850 tons, the deck-protected cruisers *Ching Yuen*, 2,300 tons, and *Foo Ching*, 2,500 tons, a torpedo flotilla, and some small gunboats. The Foochow squadron, which contributed the *Chao Yung* and *Yang Wei* to the fleet defeated at the Yalu, consists wholly of unprotected cruisers, the largest of which is of 2,500 tons, with a few gunboats and some old unserviceable craft; and the Shanghai and Canton flotillas are smaller forces. The naval strength of China, adopting the system of classification used in this volume, may be expressed thus:—Battleships, 2 second-class; 9 port-defence vessels; 2 armoured cruisers; 9 second-class cruisers; 12 third-class cruisers of ten knots' sea-speed or more, and 27 of less than that speed; torpedo boats, 2 first-class, 26 second-class, and 13 third-class. There are arsenals or dockyards at Port Arthur, Wei Hai Wei, Port Li, Canton, and Shanghai.

### Production and Industry.

China is essentially an agricultural country, though no statistics as to areas or crops exist. Wheat, barley, maize, and millet and other cereals are chiefly cultivated in the north, and rice in the south. Sugar is cultivated in Formosa and the south provinces. Opium has become a crop of increasing importance. Tea is cultivated exclusively in the west and south, in Fu-Chien, Hû-pei, Hû-Nan, Chiang-ksi, Cheh-Chiang, An-hui, Kuangtung, and Sze-ch'wan. The culture of silk is equally important with that of tea. The mulberry tree grows everywhere, but the best and the most silk comes from Kuangtung, Sze-ch'wan, and Cheh-Chiang.

All the 19 provinces contain coal, and China may be regarded as one of the first coal countries of the world. The coal mines at Kai-p'ing, Northern Chihli, under foreign supervision, have been very productive; at Keelung, in Formosa, and at Hankow, coal mines have also been worked. There are also considerable stores of iron and copper remaining to be worked, and in Yünnan Japanese mining engineers have been employed to teach the people how to apply modern methods to copper mining, which is an industry of some antiquity in that province.

### Commerce.

The commercial intercourse of China is mainly with the United Kingdom and the British colonies. The following table

shows the value of the foreign trade of China for five years in haikwan taels :—

—	1889	1890	1891 <sup>1</sup>	1892 <sup>1</sup>	1893 <sup>1</sup>
Imports . . .	110,884,355	127,093,481	134,003,863	135,101,198	151,362,819
Exports . . .	96,947,832	87,144,480	100,947,849	102,583,525	116,632,311

<sup>1</sup> These values are the actual market prices of the goods (imports and exports) in the ports of China ; but for the purposes of comparison it is the value of the imports at the moment of landing, and of the exports at the moment of shipping, that should be taken. For this purpose from the imports there have to be *deducted* the costs incurred after landing, namely, the expenses of landing, storing, and selling, and the duty paid ; and to the exports there have to be *added* the importer's commission, the expenses of packing, storing, and shipping, and the export duty. So dealt with, the value of the imports for 1892 comes to 116,786,112 haikwan taels, and that of the exports to 117,218,438 haikwan taels ; and the value of the imports for 1893 comes to 129,241,804 haikwan taels, and that of the exports to 131,951,558 haikwan taels.

The sterling value of the foreign trade of China for 1892 shows a decline of over 6,000,000<sup>l</sup>., owing to the fall in the rate of exchange, but the silver-purchasing power of commodities in China appears not to have depreciated with the fall in the gold value of silver.

During 1893 the principal countries participated in the trade of China as shown in the following table :—

—	Imports from (value in haikwan taels)	Exports to (value in haikwan taels)	Total Trade (value in haikwan taels)
Great Britain . . .	28,156,077	11,667,910	39,823,987
Hong Kong . . .	80,890,964	48,290,259	129,181,223 <sup>1</sup>
India . . .	16,739,558	2,735,473	19,475,031
United States of America	5,443,569	11,725,644	17,169,213
Continent of Europe (without Russia) . . .	5,215,909	15,855,079	21,070,988
Japan . . .	7,852,068	9,337,975	17,190,043
Russia (in Europe and Asia) . . .	883,830	9,383,913	10,267,743

<sup>1</sup> The increased value of imports and exports assigned to Hong Kong is largely the result of (a) bringing the returns treatment of the traffic with that colony into harmony with the customs' fiscal system, which accounts that trade as foreign, and (b) the enormously enhanced silver value of goods from the West showing diminished quantities.

The imports into China from Hong Kong come originally from, and the exports from China to that colony are further carried on to, Great Britain, Germany, France, America, Australia, India, the Straits, and other countries.

The figures given above include the statistics of imports and exports at the treaty ports for the whole year ; and also the like statistics of the junk trade of Hong Kong and Macao with the south of China (by the Kowloon and Lappa custom houses).

The chief imports and exports are as follows (1893) :—

Imports	Haikwan taels	Exports	Haikwan taels
Opium . . . . .	31,691,399	Tea . . . . .	30,558,723
Cotton goods . . . .	45,137,970	Silk, raw & manuf'd	38,114,225
Raw cotton . . . . .	660,707	Sugar . . . . .	2,318,715
Woollen goods . . . .	4,587,006	Straw braid . . . . .	2,429,079
Metals . . . . .	7,198,422	Hides, cow & buffalo	752,747
Coal . . . . .	2,096,063	Paper . . . . .	1,756,807
Oil, kerosene . . . . .	5,571,195	Clothing . . . . .	1,829,597
Seaweed, fishery products, &c. . . . .	5,320,233	China ware and pottery . . . . .	1,178,834

Of the tea in 1893, 367,218 piculs (each 133½ lbs.) went to Great Britain, 683,744 piculs to Russia, 342,287 piculs to the United States, 169,979 piculs to Hong Kong, 89,668 piculs to Australia, out of a total of 1,820,831 piculs. The total export of tea has been as follows to foreign countries in piculs:—1883, 1,987,324; 1884, 2,016,218; 1885, 2,128,751; 1886, 2,217,295; 1887, 2,153,037; 1888, 2,167,552; 1889, 1,877,331; 1890, 1,665,396; 1891, 1,750,034; 1892, 1,622,681; 1893, 1,820,831.

China has besides an extensive coasting trade, largely carried on by British and other foreign as well as Chinese vessels.

Great Britain has, in virtue of various treaties with the Chinese Government, the right of access to certain ports of the Empire. The following is a list of twenty-four of these treaty ports, with the value of their direct foreign imports and exports for 1893:—

Names of Ports	Provinces	Population	Imports	Exports
			Haikwan taels	Haikwan taels
Newchwang . . . . .	Shêngking . . . . .	60,000	670,926	2,167,111
Tient-sin . . . . .	Chihli . . . . .	950,000	4,433,290	5,427,834
Chefoo . . . . .	Shantung . . . . .	33,500	1,378,425	702,093
Chung-king . . . . .	Szechuan . . . . .	250,000	—	—
Ichang . . . . .	Hupoh . . . . .	34,000	—	—
Hankow . . . . .	„ . . . . .	800,000	52,347	4,588,207
Kiukiang . . . . .	Kiangsi . . . . .	53,000	1,250	—
Wuhu . . . . .	Anhwei . . . . .	71,000	15,258	4,202
Nanking . . . . .	Kiangsu . . . . .	150,000	—	—
Chinkiang . . . . .	„ . . . . .	140,000	35,436	412,460
Shanghai . . . . .	„ . . . . .	400,000	83,761,540	49,979,250
Ningpo . . . . .	Chéhkhang . . . . .	255,000	304,820	35,118
Wénehow . . . . .	„ . . . . .	80,000	22,480	1,449
Foochow . . . . .	Fukien . . . . .	636,000	4,158,957	5,157,018
Tansui . . . . .	Taiwan, Formosa . . . . .	100,000	1,842,092	614,627
Kelung . . . . .	„ . . . . .	70,000	—	—
Tainan . . . . .	„ . . . . .	135,000	1,495,363	644,651
Amoy . . . . .	Fukien . . . . .	96,000	6,712,090	5,349,940
Swatow . . . . .	Kwangtung . . . . .	20,000	8,149,047	1,976,275
Canton . . . . .	„ . . . . .	1,800,000	13,096,109	15,823,399
Kiungchow . . . . .	„ . . . . .	40,500	1,731,245	1,138,728
Pakhoi . . . . .	„ . . . . .	25,000	3,386,491	874,556
Lungchow . . . . .	Kwangsi . . . . .	20,000	28,632	16,865
Mengtsz . . . . .	Yunnan . . . . .	12,000	1,524,290	735,204

Since April 1887 the customs stations in the vicinity of Hong Kong and Macao have been placed under the management of the foreign customs. Kowloon imports 17,663,217 haikwan taels, exports 18,937,126 haikwan taels; and Lappa imports 2,863,581 haikwan taels and exports 2,046,198 haikwan taels. The same service has also been charged with the collection of the so-called Likin (inland) tax on foreign opium imported, which is likely to result in a considerable increase of the foreign maritime customs receipts.

A custom house was opened at Yatung (Tibet) on 1st May, 1894.

The port of Nanking, which the Chinese Government consented to throw open by a treaty made with France in 1858, in which England participated under the 'most favoured nation' clause, had not been opened at the end of 1893.

The value of the total imports into the United Kingdom from China, and of the exports of British and Irish produce and manufactures from the United Kingdom to China (including Hong Kong and Macao), in each of the last five years, were, according to the Board of Trade returns:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into Great Britain	7,259,676	6,057,910	5,820,070	4,428,038	4,786,824
Exports of British produce	7,220,613	9,138,429	8,988,072	7,575,902	6,435,024

From China, exclusive of Hong Kong and Macao, the imports into the United Kingdom amounted in 1892 to 3,583,248*l.*, and in 1893 to 3,894,258*l.*; to China, exclusive of these ports, the exports of British produce amounted in 1892 to 5,776,055*l.*; and in 1893 to 4,612,885*l.*

The imports into the United Kingdom from China are made up, to the amount of nearly one-half, of tea. During the last five years the quantities and value of the imports of tea into the United Kingdom from China, including Hong Kong and Macao, were:—

Year	Quantities	Value	Year	Quantities	Value
	lbs.	£		lbs.	£
1889	88,558,037	3,503,011	1892	57,050,708	2,055,943
1890	73,743,124	2,813,060	1893	56,208,958	1,990,107
1891	62,283,778	2,403,478			

Besides tea, the only other important article of import into Great Britain from China is raw silk, the value of which amounted to 1,427,701*l.* in 1889; to 986,301*l.* in 1890; to 1,069,855*l.* in 1891; to 544,641*l.* in 1892; and to 877,074*l.* in 1893. Manufactured cotton goods of the value of 3,821,788*l.*, and woollen goods of 868,563*l.*, in the year 1893, constituted the bulk of the exports of British produce to the Chinese Empire, inclusive of the goods passing through Hong Kong.

The collection of the revenue on the Chinese foreign trade and the administration of the lights on the coast of China are under the management of the Imperial Customs Department, the head of which is a foreigner (British), under whom is a large staff of European, American, and Chinese subordinates,



the department being organised somewhat similarly to the English Civil Service. It has an agency in London.

### Shipping and Navigation.

During the year 1893, 37,902 vessels, of 29,318,811 tons (29,761 being steamers of 28,277,050 tons), entered and cleared Chinese ports. Of these 19,365, of 19,203,978 tons, were British; 14,270, of 6,829,950 tons, Chinese; 2,142 of 1,508,015 tons, German; 623, of 566,379 tons, Japanese; 63, of 78,175 tons, American; 167, of 259,687 tons, French.

### Internal Communications.

China is traversed in all directions by numerous roads, and, though none are paved or metalled, and all are badly kept, a vast internal trade is carried on partly over them, but chiefly by means of numerous canals and navigable rivers. A first attempt to introduce railways into the country was made by the construction, without the sanction of the Government of China, of a short line from Shanghai to Woosung, twelve miles in length. It was opened for traffic June 3, 1876, but closed again in 1877, and taken up after having been purchased by the Chinese authorities. A small railway was constructed from the K'ai-p'ing mines for conveyance of coal to Hokou, situated on the Petang, a river ten miles north of the Peiho, and was subsequently extended to deep water on the Petang. A continuation has been completed from Petang, *via* Taku, to Tientsin and Lin-si, and is being carried on to Shan-hai-kwan. In the summer of 1889 the Emperor ordered the construction of a line across the north-west of China from Peking to Hankow on the Yangtze River, and committed the task to the two Viceroy's of the provinces through which the projected railway is to run, Li Hung Chang and Chang Chih-tung, the latter official having been transferred to Hankow from the Viceroyalty of Canton for the purpose. But up to the present moment no decided steps have been taken to carry out the scheme. There are a few miles of railway in the island of Formosa. The imperial Chinese telegraphs are being rapidly extended all over the Empire. There is a line between Peking and Tientsin, one which connects the capital with the principal places in Manchuria up to the Russian frontier on the Amour and the Ussuri; while Newchwang, Chefoo, Shanghai, Yanchow, Soochow, all the seven treaty ports on the Yangtze, Canton, Fatshan, Woochow, Lungchow, and all the principal cities in the Empire are now connected with each other and with the capital. The line from Canton, westerly has penetrated to Yunnan-fu, the capital of Yunnan province, and beyond it to Manwyne, near the borders of Burmah. Shanghai is also in communication with Foochow, Amoy, Kashing, Shaoshing, Ningpo, &c. Lines have been constructed between Foochow and Canton, and between Taku, Port Arthur, and Söul, the capital of Corea; and the line along the Yangtze Valley has been extended to Chungking in Szechuen province. By an arrangement recently made with the Russian telegraph authorities the Chinese and Siberian lines in the Amour Valley were joined in the latter part of 1892, so that there is now direct overland communication between Peking and Europe.

The postal work of the Empire is carried on, under the Minister of War, by means of post-carts and runners. In the eighteen provinces are 8,000 offices for post-carts, and scattered over the whole of the Chinese territories are 2,040 offices for runners. There are also numerous private postal couriers, and during the winter a service between the office of the Foreign Customs at Peking and the outposts.

## Money, Weights, and Measures.

### MONEY.

The sole official coinage and the monetary unit of China is the copper cash, of which about 1,600—1,700 = 1 haikwan tael, and about 22 = 1 penny. The silver sycee is the usual medium of exchange. Large payments are made by weight of silver bullion, the standard being the *Liang* or tael, which varies at different places. The haikwan (or customs) tael, being one tael weight of pure silver, was equal in 1893 to 3s. 11¼d., or 5.08 haikwan tael to a pound sterling.

By an Imperial decree, issued during 1890, the silver dollar coined at the new Canton mint is made current all over the Empire. It is of the same value as the Mexican and United States silver dollars, and as the Japanese silver *yen*. Foreign coins are looked upon but as bullion, and usually taken by weight, except at the treaty ports.

### WEIGHT.

10 <i>Sze</i>	.	.	= 1 <i>Hu</i> .
10 <i>Hu</i>	.	.	= 1 <i>Hao</i> .
10 <i>Hao</i>	.	.	= 1 <i>Li</i> (nominal cash).
10 <i>Li</i>	.	.	= 1 <i>Fun</i> (Candaren).
10 <i>Fun</i>	.	.	= 1 <i>Tsien</i> (Mace).
10 <i>Tsien</i>	.	.	= 1 <i>Liang</i> (Tael) = 1½ oz. avoirdupois by treaty.
16 <i>Liang</i>	.	.	= 1 <i>Kin</i> (Catty) = 1½ lbs.     "     "
100 <i>Kin</i>	.	.	= 1 <i>Tan</i> (Picul) = 133½ lbs.     "     "

### CAPACITY.

10 <i>Ko</i>	.	.	= 1 <i>Sheng</i> .
10 <i>Sheng</i>	.	.	= 1 <i>Tou</i> (holding from 6½ to 10 <i>Kin</i> of rice and measuring from 1.13 to 1.63 gallon). Commodities, even liquids, such as oil, spirits, &c., are commonly bought and sold by <i>weight</i> .

### LENGTH.

10 <i>Fun</i>	.	.	= 1 <i>Tsun</i> (inch).
10 <i>Tsun</i>	.	.	= 1 <i>Chih</i> (foot) = 14.1 English inches by treaty.
10 <i>Chih</i>	.	.	= 1 <i>Chang</i> = 2 fathoms.
1 <i>Li</i>	.	.	= approximately 3 cables.

In the tariff settled by treaty between Great Britain and China, the *Chih* of 14 $\frac{1}{10}$  English inches has been adopted as the legal standard. The standards of weight and length vary all over the Empire, the *Chih*, for example, ranging from 9 to 16 English inches, and the *Chang* (= 10 *Chih*) in proportion; but at the treaty ports the use of the foreign treaty standard of *Chih* and *Chang* is becoming common.

## Diplomatic Representatives.

### 1. OF CHINA IN GREAT BRITAIN.

*Envoy and Minister*.—Kung-Ta-jen.

*Councillor of Legation*.—Sir Halliday Macartney, K.C.M.G.

*Secretary*.—Sung Yii-jên.

## 2. OF GREAT BRITAIN IN CHINA.

*Envoy, Minister, and Chief Superintendent of British Trade.*—N. R. O'Connor, C.B., C.M.G., appointed April 1, 1892.

*Secretary.*—W. N. Beauclerk.

*Chinese Secretary.*—J. N. Jordan.

There are British Consular representatives at Peking, Amoy, Canton, Chefoo, Chinkiang, Chung-king, Foo-chow, Hankow, Ichang, Kiukiang, Kiung-chow, Newchwang, Ningpo, Pagoda Island (V.C.), Pakhoi, Shanghai, (C.G.), Swatow, Tainan, Tamsui, Tien-tsin, Wenchow, Wuhu.

**Statistical and other Books of Reference concerning China.**

## 1. OFFICIAL PUBLICATIONS.

- Catalogue of the Chinese Collection at the London Fisheries Exhibition. Shanghai, 1883.  
 And the International Health Exhibition. London 1884.  
 Customs Gazette, Shanghai; published quarterly.  
 Returns of Trade at the Treaty Ports in China. Part I. Abstracts of Trade and Customs Revenue Statistics. Part II. Statistics of each Port. Shanghai, published yearly.  
 Report on the Culture, Production and Manufacture of Silk in China. Shanghai, 1881. 4.  
 Tariff Returns: a set of tables showing the bearing of the Chinese Customs Tariff of 1858 on the Trade of 1885. Shanghai, 1889. 4. 2 vols.  
 Opium: Historical Note, or the Poppy in China. 4. Shanghai, 1889.  
 Ichang to Chungking, 1890. Shanghai.  
 Decennial Reports, 1882 to 1891. Shanghai, 1893.  
 Medical Reports. Shanghai, published half-yearly.  
 Woosung Inner Bar, with an Appendix consisting of the Report on the Bar (1876), by G. A. Escher and Johs. de Ryke. Shanghai. 1894.  
 Commercial Reports from H.M. Consuls in China. Annual. London.  
 Report by Mr. Arthur Nicolson, British Secretary of Legation, on the Opium Trade in China, dated Peking, February 25, 1878, in 'Reports by H.M.'s Secretaries of Embassy and Legation.' Part III. 1878. 8. London, 1878.  
 Report by Mr. L. C. Hopkins on the Island of Formosa. London, 1885.  
 Report by Mr. H. E. Fulford on a Journey in Manchuria, China. No. 2. London, 1887.  
 Report by Mr. Bourne of a Journey in South-Western China. London, 1888.  
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1893.

## 2. NON-OFFICIAL PUBLICATIONS.

- Anderson (John)*, Mandalay to Momein: a Narrative of the two Expeditions to Western China of 1868 and 1875 with Colonels E. B. Sladen and Horace Brown. 8. London, 1876.  
*Baber (E. Colborne)*, Travels and Researches in Western China: in Supplementary Papers of the Royal Geographical Society. London, 1883.  
*Ball (J. D.)*, Things Chinese. 2nd edit. 8. London. 1894.  
*Bastian (Dr. A.)*, Die Völker des östlichen Asiens. 6 vols. 8. Jena, 1866-71.  
*Bauer (H.)*, Diary of a Journey across Tibet. 8. London, 1894.  
*Carné (L. de)*, Voyage en Indo-Chine et dans l'empire chinois. Paris, 1872. English version, London, 1872.  
 China Review. Hong Kong. China Recorder. Shanghai.  
*Colquhoun (A. R.)*, Across Chryse: from Canton to Mandalay. 2 vols. London, 1883.  
*Cumming (C. F. Gordon)*, Wanderings in China. 2 vols. 8. London. 1886.  
*Curzon (G. N.)*, Problems of the Far East. 8. London. 1894.  
*David (Abbé A.)*, Journal de mon troisième voyage d'exploration dans l'empire chinois. 2 vols. 18. Paris, 1875.  
*Davis (Sir John F.)*, Description of China and its Inhabitants. 2 vols. 8. London, 1857.  
*Dollittle (J.)*, Social Life of the Chinese. London, 1887.  
*Douglas (R. K.)*, China. London, 1887. Society in China. 8. London. 1894.  
*Dudgeon (Dr. J.)*, Historical Sketch of the Ecclesiastical, Political, and Commercial Relations of Russia with China. 8. Peking, 1872.  
*Dunmore (Earl of)*, The Pamirs: being a Narrative of a Year's Expedition through Kashmir, Western Tibet, Chinese Tartary, and Russian Central Asia. 2 vols. London, 1893.  
*Edkins (J.)*, Religion in China. 3rd edit. 8. London, 1880.  
*Gill (Captain)*, The River of Golden Sand. 2 vols. London, 1880.

- Gilmour* (J.), *Among the Mongols*. London, 1888. - *More about the Mongols*. London, 1893.
- Gray* (Ven. John Henry), *China: a History of the Laws, Manners, and Customs of the People*. 2 vols. 8. London, 1877.
- Gundry* (R. S.), *China and her Neighbours*. 8. London, 1893.
- Hosie* (A.), *Three Years in Western China*. London, 1890.
- Huc* (L'Abbé E. R.), *L'empire chinois*. 2 vols. 8. 4th ed. Paris, 1862.
- James* (H. E. M.), *The Long White Mountain, or a Journey in Manchuria*. London, 1888.
- Journal of the China Branch of the Royal Asiatic Society*. Shanghai.
- Journal of the Pekin Oriental Society*. Pekin.
- Keane* (Prof. A. H.), and *Temple* (Sir R.), *Asia*. London, 1882.
- Lane-Poole* (S.), *Life of Sir Harry Parkes, K.C.B.* 2 vols. 8. London, 1894.
- Lansdell* (H.), *Chinese Central Asia: a Ride to Little Tibet*. 2 vols. London, 1893.
- Little* (A.), *Through the Yangtse Gorges, or Trade and Travel in Western China*. London, 1888.
- Loch* (Hy. Brougham), *A Personal Narrative of Occurrences during Lord Elgin's Second Embassy to China in 1860*. 8. London, 1870.
- MacMahon* (A. R.), *Far Cathay and Farther India*. 8. London, 1893.
- Marston* (Annie W.), *The Great Closed Land (Tibet)*. 8. London, 1894.
- Mayers* (W. F.), *The Chinese Government*. New edition by G. M. H. Playfair. Shanghai, 1886.
- Playfair* (G. M. H.), *Cities and Towns of China*. Hong Kong, 1879.
- Pratt* (A. E.), *To the Snows of Tibet through China*. 8. London, 1892.
- Reclus* (Elisée), *Nouvelle géographie universelle*. Tome VII. Paris, 1882.
- Revenue of China, the*. Hong Kong, 1885.
- Richthofen* (Ferd. von), *China: Ergebnisse eigener Reisen und darauf gegründeter Studien*. Vols. I., II. and IV., and Atlas. 4. Berlin, 1877-85.
- Richthofen* (Ferd. von), *Letters on the Provinces of Chekiang and Nganhwei; and on Nanking and Chinkiang*. 4. Shanghai, 1871.
- Ripa* (Matteo), *Residence at the Court of Pekin*. 16. London, 1844.
- Rocher* (E.), *La province chinoise de Yünnan*. Paris, 1880.
- Rockhill* (W. W.), *The Land of the Lamas*. London, 1891.
- Ross* (Rev. J.), *The Manchus; or the Reigning Dynasty of China, their Rise and Progress*. London, 1880.
- Scherzer* (Dr. K. von), *Die wirthschaftlichen Zustände im Süden und Osten Asien's*. 8. Stuttgart, 1871.
- Simon* (Consul E.), *L'agriculture de la Chine*. Paris, 1872.
- Simon* (E.), *China: Religious, Political, and Social*. London, 1887.
- Staden* (Major E. B.), *Official Narrative of the Expedition to explore the Trade Routes to China via Bhamo*. 8. Calcutta, 1870.
- Temple* (Sir R.), *Population Statistics of China, in Journal of the Statist. Soc.*, vol. 48, 1885, p. 1.
- Williams* (Dr. S. Wells), *The Middle Kingdom: a Survey of the Geography, Government, &c., of the Chinese Empire*. New ed. 2 vols. London, 1883.
- Williamson* (Rev. A.), *Journeys in North China, Manchuria, and Eastern Mongolia. With some Account of Corea*. 2 vols. 8. London, 1870.
- Wilson* (J. H.), *Travels and Investigations in the Middle Kingdom*. New York, 1888.

## COLOMBIA.

(LA REPÚBLICA DE COLOMBIA.)

### Constitution and Government.

THE Republic of Colombia gained its independence of Spain in 1819, and was officially constituted December 27, 1819. This vast Republic split up into Venezuela, Ecuador, and the Republic of New Granada, February 29, 1832. The Constitution of April 1, 1858, changed the Republic into a confederation of eight States, under the name of Confederation Granadina. On September 20, 1861, the convention of Bogotá brought out the confederation under the new name of United States of New Granada, with nine States. On May 8, 1863, an improved Constitution was formed, and the States reverted to the old name Colombia—United States of Colombia. The revolution of 1885 brought about another change, and the National Council of Bogotá, composed of three delegates from each State, promulgated the Constitution of August 4, 1886. The sovereignty of the nine States was abolished, and they became simple departments, their presidents, elected by ballot, being reduced to governors under the direct nomination of the President of the Republic, the country being now named the Republic of Colombia.

The legislative power rests with a Congress of two Houses, called the Senate and the House of Representatives. The Senate, numbering 27 members, is composed of representatives of the nine departments, each deputing three senators; the House of Representatives, numbering 66 (subject to change) members, is elected for four years by universal suffrage, each department forming a constituency and returning one member for 50,000 inhabitants.

The President is chosen by electoral colleges, holds office for six years, and exercises his executive functions through eight ministers, or secretaries, responsible to Congress. Congress elects, for a term of two years, a substitute, who, failing the president and vice-president during a presidential term, fills the vacancy.

*President of the Republic.*—M. A. Caro. Appointed 1894.

The departments have retained some of the prerogatives of their old sovereignty, such as the entire management of their finances, &c.; each is presided over by a governor.

### Area and Population.

The area of the Republic is estimated to embrace 513,938 English square miles, of which 330,756 square miles are north of the equator, and the remainder south of the equator. According to a census taken in 1870, the population at that date was 2,951,323, and an official estimate of 1881 gives it as follows:—

Departments	Area : English square miles	Population 1881	Density per square mile	Capital	Population 1886
Antioquia . .	22,316	470,000	21	Medellin . .	40,000
Bolivar . . .	21,345	280,000	13	Cartagena . .	20,000
Boyacá . . .	33,351	702,000	21	Tunja . . . .	8,000
Cauca . . . .	257,462	621,000	2.4	Popayan . . .	10,000
Cundinamarca	79,810	569,000	7	Bogotá . . . .	120,000
Magdalena . .	24,440	90,000	3.7	Santa Marta .	6,000
Panama . . . .	31,571	285,000	9	Panama . . . .	30,000
Santander . .	16,409	555,600	35	Bucaramanga	20,000
Tolima . . . .	18,069	306,000	17	Ibagué . . . .	12,000
Total . . . .	504,773	3,878,600	9.9		

This includes 220,000 uncivilised Indians, and the population, 80,000, of the extensive territories attached to each State. There were 1,434,129 males and 1,517,194 females in 1870.

The capital, Bogotá, lies 9,000 feet above the sea. The chief commercial towns are Barranquilla (population 20,000) on a cañon of the Magdalena and connected with the coast by 20 miles of railway; Cartagena (20,000); Medellín (40,000), in an important mining region; Bucaramanga (20,000); Cúcuta (10,000), the last two being large coffee centres in Santander.

### Religion and Education.

The religion of the nation is Roman Catholicism, other forms of religion being permitted, so long as their exercise is 'not contrary to Christian morals nor to the law.' There is a national university, which includes 4 colleges and technical schools, with about 1,600 students. Belonging to Departments are 4 universities or colleges with 1,083 students; there are 34 public and numerous private colleges or institutes for secondary instruction. In 1894 there were 15 normal schools with about 600 students, and 1,817 primary schools with about 89,000 pupils in attendance. Primary education is gratuitous but not compulsory. The Republic possesses a national library, museum, and observatory.

### Finance.

The following are the official estimates of revenue and expenditure for the biennial periods indicated:—

—	1891-92	1893-94	1895-96
	Pesos	Pesos	Pesos
Revenue . . . .	26,023,160	30,580,000	26,203,966
Expenditure . .	26,979,325	33,502,386	33,801,888

The revenue is mainly derived from customs duties, which amounted in 1893 to 9,160,175 pesos.

According to official statement the internal debt on June 30, 1894, was: consolidated, 5,466,896 pesos; floating, 3,946,164 pesos; total, 9,413,060 pesos. This is exclusive of paper currency amounting to 26,135,606 pesos.

The external debt, mostly due to British creditors, stands thus: external bonds of 1873, 1,913,500*l.*; coupon arrears and interest certificates to June 30, 1894, 1,364,328*l.*; total, 3,279,828*l.* Negotiations for a settlement of the

external debt have been in progress since June 1891, but a satisfactory arrangement has not yet been arrived at.

### Defence.

The strength of the national army is determined by Act of Congress each session. The peace footing is 5,500. In case of war the Executive can raise the army to the strength which circumstances may require. Every able-bodied Colombian is liable to military service.

### Production.

Columbia is rich in minerals, and gold is found in all the departments. From Antioquia alone gold valued at 40,000*l.* is exported annually. The average annual output of gold and silver is about 650,000*l.* in value. It is estimated that gold to the value of 125 millions sterling and silver to the value of 7 millions have been exported since the sixteenth century. The number of mines of all sorts on which the legal imposts were paid in 1891 was 4,961, nearly all of which were gold mines either alluvial or in veins. Of the total number, 3,398 (all of them gold) were in Antioquia, 794 in Tolima, 571 in Cauca. In Tolima and Cauca there are many silver mines, either alone or in association with gold or other metals. Other minerals, more or less worked, are copper, platinum, lead, mercury (1 mine), cinnabar (14 mines), manganese (7 mines), emeralds (32 mines). The emerald mines of Muzo on the river Minero are said to yield to the value of about 20,000*l.* yearly. The Pradera iron mines east of Bogotá produce about 70 tons of pig iron daily, and this is manufactured into cutlery and hardware. The salt mines at Zipaguira, north of Bogotá, are a government monopoly and a great source of revenue, supplying nearly the whole of Colombia with salt. In several of the departments there are extensive deposits of coal and petroleum.

Only a small section of the country is under cultivation. Much of the soil is fertile, but of no present value, from want of means of communication and transport. Agriculture is in a backward condition. Coffee, cocoa, tobacco, sugar, vegetable ivory, rubber, and dyewoods are produced. In the central districts European cattle and horses flourish.

### Commerce.

The value of the foreign commerce of Colombia for five years has been as follows:—

—	1889	1890	1891	1892	1893
	Pesos	Pesos	Pesos	Pesos	Pesos
Imports . .	11,579,340	12,854,180	14,447,860	12,476,524	13,403,299
Exports . .	14,697,340	17,583,170	24,802,769	16,209,059	14,630,332

The principal imports are food-stuffs and textiles, and the chief exports are coffee, earth-nuts, corn, silver ore, cacao, cotton dye-stuffs, live animals, tobacco. In 1892 the imports from Great Britain amounted to 4,289,276 pesos; from France, 2,244,459 pesos; from Germany, 1,315,430 pesos; from the United States, 1,816,263 pesos. Exports to the value of 5,966,911 pesos went to Great Britain; 4,855,467 pesos to the United States; 1,520,905 pesos to France; 1,450,903 pesos to Germany. The value of coffee exported in 1892 was 7,609,356 pesos; precious metals, 3,471,529 pesos; minerals, 620,424 pesos; tobacco, 576,536 pesos; hides, 560,485 pesos.

Far more important than the direct commerce is the transit trade, passing through the two ports of Panama and of Colon, which, united by railway, connect the Atlantic with the Pacific Ocean. In 1893 the transit traffic

was 185,591 tons, showing a falling off of 212 tons as compared with the traffic of 1892, the New York trade having decreased, while the European had increased.. The traffic from the Pacific is about two-thirds of that from the Atlantic.

The following table gives the total value of the imports into the United Kingdom from Colombia, and of the exports of British home produce to Colombia, according to the Board of Trade returns, in each of the last five years :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into United Kingdom	245,290	304,261	329,244	457,094	629,736
Exports of British Produce	1,157,296	1,144,246	1,279,708	1,105,487	957,608

Of the imports into the United Kingdom from Colombia, the most important articles in 1893 were silver ore, of the value of 164,965*l.*; coffee, of the value of 253,553*l.*; caoutchouc, 30,691*l.* At the head of the articles of British home produce exported to Colombia in 1893 were manufactured cotton goods, of the value of 535,083*l.* The other principal articles exported from Great Britain to Colombia in 1893 were linen manufactures, of the value of 50,976*l.*; woollens, of the value of 70,416*l.*; iron, wrought and unwrought, of the value of 48,470*l.*; apparel and haberdashery, 23,151*l.*

### Shipping and Communications.

In 1894 the merchant shipping of Colombia consisted of 2 steamers of 341 tons and 5 sailing vessels of 2,179 tons.

In 1893 there entered the ports of Colombia 1,510 vessels of 806,397 tons, and cleared 1,475 of 1,436,854 tons; of the total tonnage (1891) 53 per cent. was British, 19 per cent. French, and 12 per cent. German.

The total length of railways in Colombia in 1892 was 218 miles. Three railways are complete and in working order, and five others are partly constructed and in use. The roads of Colombia are simple mule tracks, but the Government is employing soldiers to improve the main roads. Thirty-two regular steamers visit Colombian ports every month; of these 15 are English, 9 American, 4 German, 3 French, and 1 Spanish.

In 1893 the Post Office of Colombia carried 1,302,410 inland letters and post-cards, 615,844 samples, printed matter, &c., 70,038 registered letters and packets, and despatched 342,440 letters and 206,171 printed papers, packets, &c., abroad.

There were 6,835 miles of telegraph in 1894, with 319 stations; between June 1, 1892, and March 31, 1894, 317,507 telegrams and 2,509 cablegrams were sent out, while 372,630 telegrams and 3,322 cablegrams were received.

Under the superintendence of M. de Lesseps, a company was formed in 1881 for the construction of a ship canal, 46 miles in length, across the Isthmus of Panama, mainly following the line of the railway. The capital received up to June 30, 1886, amounted to 772,545,412 francs; and it was expected that before the undertaking was completed this would have to be nearly doubled. It was attempted to raise a loan of 600 million francs in December 1888, but only a small portion of the sum was taken up. It was sought to form a new company, but without success, so that the company was compelled to go into liquidation and suspend payment and all operations on the canal (from March 15, 1889). In March 1893 a further extension was granted for the organisation of a new company to take over the business; in 1894 steps were taken for the formation of the new company, and work on the canal was provisionally resumed.



### Money and Credit.

The amount of gold and silver coinage issued from the mints of Bogotá and Medellín (the only ones now open), from March 1885 to September 1889, has been:—Gold (0·666 fine) 117,884 pesos; silver (0·835 fine) 726,849; silver (0·500 fine) 3,364,407; total 4,209,140 pesos. No money has recently been coined in Colombia, but in 1893 silver coinage was executed in Birmingham for the Republic to the amount of 34,530 pesos. The currency is almost entirely paper money, the amount of which on June 30, 1894, was stated to be 26,135,606 pesos. On December 31, 1891, the amount of metallic and paper money in the banks was as follows:—

Banks	Gold	Silver	Nickel	Paper
	Pesos	Pesos	Pesos	Pesos
Banco Nacional . . . . .	—	83,893	18,000	235,452
Banco Internacional . . . . .	628	9,795	—	379,397
Banco de Bogotá . . . . .	2,206	32,654	—	216,431
Banco de Colombia . . . . .	5,124	95,593	110	267,067
Total . . . . .	7,958	221,935	18,110	1,098,347

At the same date the National Bank notes in circulation amounted to 12,106,714 pesos.

### Money, Weights, and Measures.

The *peso*, or dollar, of 10 reals=5 francs=3s. 4d. actual price; nominal value, 4s. The peso or dollar of 10 reals is the legal tender, although the country people and retail trade generally adopt the old dollar of 8 r., which is usually meant unless peso fuerte or peso de ley is stipulated. Its nominal value is 4s., or 5 fr., but owing to the new coinage law reducing the fineness from 835 to 500 decimas, the Colombian dollar is really worth little above 2s., or half its former value, except, of course, at Panama or Colon, where paper has not yet been introduced. There the sol or Peruvian dollar is the legal tender.

Coined money:—

*Nickel*.— $\frac{1}{4}$  c.,  $2\frac{1}{2}$  c., 5 c., common in every-day use, and often at a premium of 5 to 10 per cent.

*Silver*.— $\frac{1}{2}$  r., 1 r., 2 r., not coined at present.

All the foreign coins have long since disappeared, and any that arrive are bought up at the ports at 90 to 100 per cent. premium.

The metric system was introduced into the Republic in 1857, and the only weights and measures recognised by the Government are these:—In custom-house business the kilogramme, equal to 2,205 pounds avoirdupois, is the standard. In ordinary commerce the arroba, of 25 pounds Spanish, or 12 $\frac{1}{2}$  kilos; the quintal, of 100 pounds Spanish, or 50 kilos; and the cargo, of 250 pounds Spanish, or 125 kilos, are generally used. The Colombian libra is equal to 1·102 pound avoirdupois. As regards measures of length, the Colombian vara, or 80 cm., is used for retailing purposes, although the English yard is mostly employed, but in liquid measure the French litre is the legal standard.

## Diplomatic and Commercial Representatives.

### 1. OF COLOMBIA IN GREAT BRITAIN.

*Envoy and Minister.*—

*Secretary of Legation and Chargé d'Affaires (ad interim).*—Señor Daniel J. Reyes.

*Consul-General.*—Señor Ramón Goenaga.

### 2. OF GREAT BRITAIN IN COLOMBIA.

*Minister and Consul-General.*—G. F. B. Jenner, appointed January 9, 1892.

## Statistical and other Books of Reference concerning Colombia.

### I. OFFICIAL PUBLICATIONS.

Colombia Bulletin No. 33 of the Bureau of the American Republics. 8. Washington, 1892. Special bulletins of October and November 1893 contain reports on coffee and coal in Colombia.

Circulaire du Ministre des Affaires Etrangères sur les mines d'or et d'argent de la République de Colombie. Bogotá, 1886.

Descripcion histórica, geográfica y política de la República de Colombia. Bogotá, 1887.

Constitution of the Republic of Colombia (August 7, 1886). Bogotá.

Diario Oficial. Bogotá, 1894.

Foreign Office Reports, Annual Series and Miscellaneous Series. London, 1894.

Informe de Ministro de Fomento—del Ministro de Guerra; del Ministro de Instrucción Pública; Ministro de Relaciones Exteriores; Ministro de Gobierno; Ministro del Tesoro; Ministro de Justicia; Ministro de Hacienda. Bogotá, 1894.

Mensaje que el Vicepresidente de la República dirige al Congreso Nacional, 1894. Bogotá, 1894.

Report by Mr. Scruggs, U. S. Minister at Bogotá, on Colombia and its People, in 'Reports of the United States Consuls,' Nos. 30, 31, and 32, 1883. Washington, 1883.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Bates* (H. W.), Central and South America. New edition. London, 1882.

*Bruycker* (P. de), Les mines d'or et d'argent de la Colombie. Extrait du Bull. de la Soc. R. de la Géographie d'Anvers. Antwerp, 1888.

*Cadena* (P. J.), Anales diplomáticos de Colombia. Bogotá, 1878.

*Eguerra*, Diccionario geográfico de los Estados Unidos de Colombia. Bogotá, 1879.

*Etienne* (C. P.), Nouvelle-Grenade, aperçu général sur la Colombie. Genève, 1887.

*Hall* (Col. F.), Colombia; its Present State in respect of Climate, Soil, &c. 8. Philadelphia, 1871.

*Hassaurek* (F.), Four Years among Spanish Americans. 12. New York, 1867.

*Holton*, Twenty Months in the Andes. New York.

*Mosquera* (General), Compendio de geografía, general, política, física y special de los Estados Unidos de Colombia. 8. London, 1866.

*Núñez* (R.) and *Jahay* (H.), La République de Colombie, Géographie, Histoire, Organisation, &c. Brussels, 1893.

*Pereira* (R. S.), Les Etats-Unis de Colombie. Paris, 1883.

*Perez* (Felipe), Geografía general, física y política de los Estados Unidos de Colombia. Bogotá, 1883.

*Reclus* (Armand), Panama et Darien. Paris, 1881.

*Rodríguez* (J. C.), The Panama Canal. London, 1885.

*Simons* (F. A. A.), Goajira Peninsula. Proceedings of Royal Geographical Society, December 1885.

*Simons* (F. A. A.), Sierra Nevada de Santa Marta. Proceedings of Royal Geographical Society, 1881.

*White* (R. B.), Notes on the Central Provinces of Colombia. Proceedings of Royal Geographical Society for 1883. London, 1883.

## CONGO INDEPENDENT STATE.

THE Congo Independent State was constituted and defined by the General Act of the International Conference, signed at Berlin February 26, 1885, by which it was declared neutral and free to the trade of all nations, in conjunction with the rest of the basin of the River Congo. The Powers reserved to themselves, until the end of a period of twenty years, the right of deciding if freedom of entry shall be maintained or not. But an International Conference, which met at Brussels in 1890, authorised the Government of the Independent State to levy certain duties on imports. The Congo Independent State was placed under the sovereignty of the King of the Belgians individually; but by will dated August 2, 1889, the King bequeathed to Belgium all his sovereign rights in the State. On July 31, 1890, the territories of the State were declared inalienable, and a Convention of July 3, 1890, between Belgium and the Independent State, reserved to the former the right of annexing the latter after a period of ten years.

The Central Government at Brussels consists of the King of the Belgians, and three departments, Foreign Affairs, Finance, and the Interior, placed under the direction of a Secretary of State, and administered by three General Secretaries. There is a local Government, consisting of the Governor-General, Vice-Governor-General, State Inspector, General Secretary, Director of Justice, Director of Finance, and Commander of the Forces. The seat of Government is at Boma.

The precise boundaries of the Free State were defined by convention between the International Association of the Congo and Germany, November 8, 1884; Great Britain, December 16, 1884; the Netherlands, December 27, 1884; France, February 5, 1885; Portugal, February 14, 1885, and May, 1891; by the declaration of neutrality of August, 1885; and by treaties concluded with Great Britain, May 12, 1894, and France, August 14, 1894. The State includes a small section on the north bank of the river from its mouth to Manyanga; French territory intervening between this last station and the mouth of the Mobangi, whence the State extends northwards to the Mobangi River and the Boma River, north-east to the watershed of the Congo basin, eastwards to 30° E. long., and Lake Tanganika, south-east to Lake Bangweolo and southern watershed of the Congo basin to Lake Dilolo, south-west (by arrangement with Portugal, 1891), to the course of the Kassai river, thence to 7° S., the river Kiulu, 8° S., the river Kwango, and the parallel of Nokki. The area of the Independent State is estimated at 900,000 square miles, with a population of 14,000,000. The European population (1891) numbers 950, half being Belgian. The capital is at Boma, on the Lower river.

The Congo is navigable for about 100 miles from its mouth to Vivi. Above this, for over 200 miles, are numerous rapids, which render the river unnavigable as far as Stanley Pool (Leopoldville). Above this there are about 1,000 miles of navigable water, as far as Stanley Falls, while several of the great tributaries are navigable over a considerable extent of their course. In 1888, a survey, with the view to a construction of a railway 250 miles long, was completed between Vivi and Leopoldville at an average distance of 30 miles S. of the river. Of this railway about 44 miles are now open for traffic.

The revenue and expenditure for 1894 were estimated at 7,383,554 francs; the revenue is derived mainly from a subsidy of two million francs annually granted by the King of the Belgians, from an advance of money by the Belgian Government, July 3, 1890, for a term of ten years at the rate of two million francs a year, from taxes, and from the sale and letting of public lands.

The principal articles of export are palm-oil, rubber, ivory, orchilla weed, gum copal, ground nuts, cam-wood. The chief imports are textiles,

guns, powder, spirits, tobacco. In 1888 the general exports were valued at 7,392,348 francs; in 1889 at 8,572,519 francs; in 1890 at 14,109,781 francs; in 1891 at 10,535,619 francs; in 1892 at 7,529,979 francs; in 1893 at 7,814,791 francs; the exports of the Independent State proper in 1888 were valued at 2,609,300 francs; in 1889 at 4,297,544 francs; in 1890 at 8,242,199 francs; in 1891 at 5,353,519 francs; in 1892 at 5,487,633 francs; in 1893 at 6,206,134 francs. The chief articles exported (in the general commerce) in 1892 were:—Coffee, 309,786 francs; ivory, 3,905,820 francs; nuts, 840,064 francs; palm-oil, 569,628 francs; caoutchouc, 1,841,596 francs. The trade is chiefly with Belgium and the Netherlands. In 1893 the imports amounted to 406,000*l.*, and the exports to 300,000*l.*

In 1893 677 vessels of 217,996 tons entered the ports of Banana and Boma.

Under the governor are a large number of white subordinates, chiefs of districts, which extend as far as Stanley Falls, and other officials. There are twelve administrative divisions or provinces:—Banana, Boma, Matadi, the Falls, Stanley Pool, Kassai, Equator, Ubanji Wellé, Stanley Falls, Aruwimi-Wellé, Lualaba, and Kwango Oriental, and besides the administrative region of Tanganika. The principal stations occupied are:—Banana, Boma, Matadi, Lukunga, Leopoldville, New Antwerp, Berghe Ste Marie, Coquilhatville, Stanley Falls, Luluaburg, Ponthierville, Albertville, Nyangme and Kawongo.

There is an armed force of 9,000 native Africans, divided into 16 companies, commanded by 143 European officers and 146 sergeants. There are 4 camps of instruction. There are seven steamers on the Lower and twelve in the Upper Congo, besides a flotilla of sailing and row boats. There is a regular steamer service with Europe, and the State is included in the postal union. Post offices, 10. Letters, &c. (1893): internal, 49,544; international, 119,784.

*Consul-General in London for the Congo Independent State.*—J. Houdret.

*British Consul at Boma.*—W. C. Pickersgill, C.B.

*British Vice-Consul at Boma.*—Edward Banniste

## Books of Reference concerning the Congo State.— . OFFICIAL.

Bulletin officiel de l'Etat Indépendant du Congo.

Convention between Her Majesty and the King of the Belgians in the name of the International Association of the Congo. London, 1885.

Correspondence with Her Majesty's Ambassador at Berlin respecting West African Conference. London, 1885.

Protocols and General Act of the West African Conference. London, 1885.

## 2. UNOFFICIAL.

*Alexis* (M. G.), *Le Congo Belge*. Brussels, 1888.

*Bentley* (Rev. W. H.), *Life on the Congo*. London, 1887.

*Bula N'Zau*.—Travel and Adventures in the Congo Free State. S. London, 1894.

*Coquilhat* (C.), *Sur le Haut-Congo*. Paris, 1888.

*Dupont* (E.), *Le Congo*. Brussels, 1889.

*Jeannot*. *Quatre années au Congo*. Brussels, 1889.

*Keltie* (J. Scott), *The Partition of Africa*. London, 1893.

*Le Mouvement Géographique*. Brussels, 1893.

*Pechuel-Loesche* (Dr.), *Kongoland*. Jena, 1887.

*Proceedings of the Royal Geographical Society, 1885-92.*

*Reclus* (E.), *Nouvelle géographie universelle*. Vol. XIII. Paris, 1888.

*Stanley* (H. M.), *The Congo and the Founding of its Free State*. 2 vols. London, 1885

*Stanley* (H. M.), *Through the Dark Continent*. 2 vols. London, 1878.

*Thys* (Capt.), *Au Congo et au Kassai*. Brussels, 1888.

*Van Moesel*, *Étude sur la législation de l'Etat Indépendant du Congo*.

*Ward* (H.), *Five Years with the Congo Cannibals*. London, 1890.

*Wauters* (A. J.), *Le Congo*. Brussels, 1885.

*White* (A. Silva), *The Development of Africa*. London, 1890

*Wisnmann* (H.), *Im Innern Afrikas*. Berlin, 1888.

## COREA.

(CH'AO-HSIEN, OR KAOLI.)

### Government.

THE reigning monarch, named *Li-Hi* in Chinese, succeeded King Shoal Shing in 1864, and is the twenty-ninth in succession since the founding of the present dynasty in 1392. The Monarchy is hereditary and absolute, modelled on that of China, as is also the penal code. There is an hereditary aristocracy. Internal affairs are administered, under the control of the King, by the *Nei Wu Fu*, or Home Office, in the six Departments of Civil Affairs, Revenue, Ceremonies, War, Justice, and Works. Foreign Affairs are conducted by the Foreign Office, instituted in 1882, for international questions arising under recent treaties.

Since early years Corea has acknowledged the suzerainty of China; in the seventeenth century renewed conditions of vassalage were accepted; and in the trade regulations of 1882, China's rights as suzerain were recapitulated and accepted by Corea. Every king, as also his heir-apparent, applies for and obtains investiture from the Emperor of China; annual missions with tribute are sent to Peking; and no important step in the relations of Corea with other countries is taken without China's consent.

In August, 1894, the Japanese went to war with China for supremacy in Corea. They are now (December) in possession of the capital and trade posts, the king is virtually their prisoner, and the government is being rapidly reformed on Japanese principles.

### Area and Population.

Estimated area, 82,000 square miles; population estimated at from 8,000,000 to 16,000,000. Recent statistics give 2,356,267 families and 10,528,937 inhabitants—5,312,323 males and 5,216,614 females. The capital, Seoul, has about 250,000 inhabitants. The foreign population consisted, in 1892, of 9,890 Japanese, 2,556 Chinese, 51 British, 80 American, 28 French, and 26 German. The language of the people is intermediate between Mongolo-Tartar and Japanese, and an alphabetical system of writing is used to some extent; but in all official writing, and in the correspondence of the upper classes, the Chinese characters are used exclusively.

### Religion and Instruction.

The worship of ancestors is observed with as much punctiliousness as in China, but, otherwise, religion holds a low place in the kingdom. Neither temples nor priests are allowed in the city of Seoul; but in the country there are numerous Buddhist monasteries. Confucianism is held in highest esteem by the upper classes, and a knowledge of the classics of China is the first aim of Corean scholars and aspirants for official station. There are about 20,000 Catholics and 300 Protestants. In 1890 an English Church mission was established, with a bishop and ten other members. An hospital is attached to the mission with an English doctor and trained nurses. In 1892 there were about 40 Protestant missionaries (British and American), 20 Roman Catholic.

A Royal Naval School has been recently established under an English naval instructor and gunnery instructor. A school where the cadets learn English is attached to the establishment. There are two other government schools (at present practically closed), one for teaching English under an American professor, the other a military school under two ex-officers of the United States army.

### Finance.

The revenue is derived chiefly from the land tax, payable in kind; the sale of trade monopolies; a poll tax, and other levies accruing chiefly to the

local authorities. The court and palace derive their income from the sale of ginseng, this root being the subject of a government monopoly, and from the customs on foreign trade. In 1892 the customs amounted to 438,413 dollars.

### Defence.

The standing army consists of about 5,000 men, stationed in Seoul. They are drilled by two American instructors and native officers. Two regiments are equipped with Remington rifles, and are fairly efficient. There is also a battery of Gatling and one of Krupp guns. A force of 500 cavalry has been organised, armed with carbines and swords. In theory about 1,200,000 men are fit for military duty, and these should be supported by the population at the rate of about two soldiers to three families; but, in fact, not one-hundredth of the men available perform military duties. Even of those who serve, the work is chiefly that of messengers, tax-gatherers, and police. This army is practically non-existent, but there is a force of 10,000 men in the northern capital, Pingon, armed with foreign rifles, employed against the Japanese.

The Korean Government has three merchant steamers which carry tribute and rice to Chemulpo from the non-treaty ports.

### Production and Commerce.

In the south of Corea, rice, wheat, beans, and grain of all kinds are grown, besides tobacco; in the north the chief crops are barley, millet, and oats. Probably only half the available land is cultivated. Gold, copper, iron, and coal abound, but no attempt is made to develop these resources.

In 1876 Corea concluded a treaty with Japan; in 1882 China (Trade and Frontier Regulations) and the United States; in 1883 Germany and Great Britain; in 1884 Italy and Russia; in 1886 France; in 1892 Austria. An overland Trade Convention has been concluded with Russia, whose frontier is separated from that of Corea by the Tiumen River.

In these treaties Corea was treated with as an independent State. By virtue of these treaties Seoul and the three ports of Jenchuan, Fusan, and Yuensan are open to foreign commerce.

The total value of the trade (merchandise only) at the three ports has been as follows:—

—	1889	1890	1891	1892	1893
	Dollars	Dollars	Dollars	Dollars	Dollars
Imports . . .	3,317,815	4,727,839	5,256,468	4,598,485	3,880,155
Exports . . .	1,233,841	3,550,478	3,366,344	2,443,739	1,698,116

The imports in 1893 were: cotton goods, chiefly shirtings and muslins, value 1,648,954 dollars; woollen goods, 31,992 dollars; miscellaneous piece goods, 10,382 dollars; metals, 520,462 dollars; sundries, 1,668,365 dollars. The chief exports were: beans, value 628,324 dollars; cow-hides, 274,682 dollars; rice, 367,165 dollars.

The actual trade is much greater than that stated. The statistics refer only to the three open ports, at which a customs service has been established, conducted by foreigners detached from the Chinese customs service. No account is taken of the trade at non-treaty ports, or of that on the Russian and Chinese frontiers, or of the under-valuation of imports owing to "ad valorem" duties. Government has a monopoly of the important product ginseng, which is farmed out to a company and exported overland to China to the value of about 40,000*l.* annually. Of the total imports in 1893, 1,905,698 dollars were from China, 1,949,043 dollars from Japan, and 25,414 dollars from

Russian Manchuria. About 60 per cent. (in value) of the imports are goods of British manufacture, and 30 per cent. Chinese and Japanese. Of the exports, 134,085 dollars were to China, 1,543,114 dollars to Japan, and 20,917 dollars to Russian Manchuria. The export of gold (mostly to China) for 1893 as declared at the customs was 918,659 dollars, but almost as much is said to be taken away by junks and fishing vessels visiting the non-treaty ports.

The number of vessels entering from foreign countries in 1893 was 1,322 of 387,507 tons, and cleared 1,331 of 386,771 tons. The shipping is nearly all in Japanese hands.

Transport in the interior is by porters, pack-horses and oxen. Small river steamers, chiefly owned by Japanese, run on the Star River between Chemulpo and Seoul, and there is a project for a railway between the capital and Chemulpo. A telegraph line runs from Seoul north to the Chinese frontier, connecting with the line to Shanghai; another runs south to Fusan, connecting with the cable to Japan; a third from Seoul to Yuensan, thence north to the capital of the north-east province, and will probably be connected eventually with the Russian telegraph system at Novokievsk.

### Money.

The legal currency is the copper cash, but the Mexican dollar and the Japanese yen can, in some provinces, be changed. In remote districts only silver ingots can be changed. About 560 old cash pieces are given for the dollar or yen; of the inferior 5-cash pieces recently coined, as many as 650 are given for a dollar. A new mint has been built at Chemulpo, and from metal sent from Japan, specimens of a new coinage have been struck in silver, nickel, and copper. This coinage is now being issued. It consists of a silver dollar, silver 20 cent piece, nickel 5 cent, copper 5 cash, brass 1 cash.

*British Minister Plenipotentiary.*—N. R. O'Connor, C.B., C.M.G. (at Peking).

*British Consul-General at Seoul.*—Walter C. Hillier.

*Acting Vice-Consul at Chemulpo.*—W. H. Wilkinson.

### Books of Reference concerning Corea.

- Annual Reports and Returns on the Trade in Foreign Vessels. Shanghai, 1894.  
 Foreign Office Reports on the Trade of Corea. Annual Series. London.  
*Campbell* (C. W.), Report of a Journey in North Corea. Blue Book. China No. 2. 1891.  
*Carles* (W. R.), Life in Corea. London, 1888.  
*Cavendish* (A. E. J.) and *Goold-Adams* (H. E.), Korea and the Sacred White Mountain. London, 1894.  
*Curzon* (G. N.), Problems of the Far East. S. London, 1894.  
*Dallet*, Histoire de l'église de Corée. Paris, 1874. [This work contains much accurate information concerning the political and social life, geography, and language of Corea].  
 Dictionnaire Coréen-Français, par les missionnaires de Corée de la Société des Missions Étrangères de Paris. Yokohama, 1880. Grammaire Coréenne (by the same). Yokohama, 1881.  
*Griffis* (W. E.), Corea: the Hermit Nation. London, 1882.  
*Hall* (J. C.), A Visit to Corea in 1882, in Proceedings of Royal Geographical Society, 1883.  
*Hamel* (Hendrik), Relation du Naufrage d'un Vaisseau Holandois, &c., traduite du Flamand par M. Minutoli. 12. Paris, 1670. [This contains the earliest European account of Corea. An English translation from the French is given in Vol. IV. of A. and J. Churchill's Collection, fol., London, 1744, and in Vol. VII. of Pinkerton's Collection, 4, London, 1811].  
*Lowell* (Perceval), Chöson, the Land of the Morning Calm. A Sketch of Korea. London, 1883.  
*Oppert* (Ernst), Corea: a Forbidden Land. S. London, 1880.  
*Scott* (James), A Corean Manual. 2nd ed., London, 1892.  
*Scott* (James), English-Corean Dictionary. Shanghai, 1891.  
*Underwood* (H.), Concise Dictionary of the Corean Language. Shanghai, 1890.  
*Underwood* (H.), Grammar of Corean Language. Shanghai.

## COSTA RICA.

(REPÚBLICA DE COSTA RICA.)

### Constitution and Government.

THE Republic of Costa Rica, an independent State since the year 1821, and forming part from 1824 to 1830 of the Confederation of Central America, is governed under a Constitution first promulgated in 1859, but modified very frequently since that date. Practically there was no constitution between 1870 and 1882. The legislative power is vested in a Chamber of Representatives—one representative to every 10,000 inhabitants—chosen in electoral assemblies, the members of which are returned by the suffrage of all who are able to live ‘respectably.’ There were 537 electors in 1889, and 26 deputies. The members of the Chamber are elected for the term of four years, one-half retiring every two years. The executive authority is in the hands of a president, elected, in the same manner as the Congress, for the term of four years.

*President of the Republic.*—Rafael Iglesias, elected April 1894.

The administration normally is carried on, under the President, by four ministers—viz. of the Interior; of Foreign Affairs, Justice, and Worship; of Commerce and Finance; and of War and Marine.

### Area and Population.

The area of the Republic is estimated at 23,000 English square miles, divided into five provinces and two territories. According to the census of February 18, 1892, the population was 243,205 (122,480 males and 120,725 females), besides 19,456 (estimated) unenumerated, and about 3,500 aborigines. The enumerated population gives on an average 10·5 inhabitants to the square mile. There were in 1891 1,000 marriages, 7,684 births (19·7 per cent. illegitimate), and 8,489 deaths, showing a deficiency of 805 births, but the registration of births and marriages is very imperfect. In the same year 6,330 persons entered and 3,706 left Costa Rica. The population of European descent, many of them pure Spanish blood, dwell mostly around the capital, the city of San José (population 19,326), and in the towns of Alajuela, Cartago, Heredia (pop. 6,047), Guanacaste, Puntarenas, and Limon. The government encourages immigration by the sale of land on easy terms. In 1893 many concessions were made for colonising and agricultural purposes.

### Religion and Instruction.

The Roman Catholic is the religion of the State, but there is entire religious liberty under the Constitution. In 1892 there were in the Republic 2,245 Protestants, 35 Jews, and 224 Buddhists, &c. Education is compulsory and free. In 1892 there were 267 primary schools, with 11,472 pupils in attendance, besides five establishments for higher education costing 87,030 pesos. In 1891, 546,035 pesos were devoted to education.



### Justice.

Justice is administered by the Supreme Court of Justice, two Appeal Courts, and the Court of Cassation. There are also subordinate courts in the separate provinces, and local justices throughout the Republic. Capital punishment cannot be inflicted.

### Finance.

The revenue and expenditure for four years and the estimates for 1893-94 have been:—

	1888-89	1889-90	1890-91	1891-92	1893-94
	Pesos	Pesos	Pesos	Pesos	Pesos
Revenue .	4,331,265	5,195,865	5,601,996	5,808,474	4,800,000
Expenditure	3,939,998	4,995,343	5,483,430	5,449,290	4,741,840

The foreign debt of the Republic consisted of a six per cent. loan of the nominal amount of 1,000,000*l.*, contracted in England in 1871, and a 7 per cent. loan of the nominal amount of 2,400,000*l.*—issued at 82—contracted in 1872. The amount outstanding in January 1887 was 2,691,300*l.*, and the accumulated interest amounted to 2,119,512*l.* This debt has been converted into a total amount of 2,000,000*l.* sterling at 5 per cent. from January 1, 1888, and has been taken over by the Costa Rica Railway Company. The internal debt on March 31, 1892, amounted to 2,811,100 pesos.

To facilitate agricultural operations and immigration, a concession has been granted for an agricultural bank with a capital of 1,000,000*l.* The bank will not only make advances on the security of lands and produce, but will bring out colonists and settle them on lands which will be ceded to the company.

### Defence.

Costa Rica has an army of 600 men and 12,000 militia, but on a war footing can command 34,000 militia, as every male between 18 and 50 may be required to serve.

### Industry and Commerce.

Almost anything can be grown in Costa Rica, but the principal agricultural products are coffee (197,349 bags in 1893), bananas (1,278,647 bunches), sugar (162,804 quintals in 1891). The production of bananas and of coffee is rapidly increasing. Maize, rice, wheat, potatoes are commonly cultivated. Gold and silver mines are worked; the annual value of the produce being about 128,000 pesos. In 1892 the live stock consisted of 345,665 cattle, 77,043 horses, and 2,765 sheep, valued at, in all, 5,827,606 pesos.

The following is the value in pesos of the imports and exports for five years:—

	1889	1890	1891	1892	1893
Imports . .	6,306,408	6,337,500	8,351,029	5,389,749	5,833,427
Exports . .	6,965,371	10,290,760	9,664,607	9,113,948	9,619,064

The most important export is coffee, the quantity exported in the year 1893 being valued at 8,304,930 pesos. Other exports were bananas, 786,493 pesos; hides and skins, 138,431 pesos; cedar, 98,891 pesos; various woods, 87,640 pesos. Of the imports the value of 1,697,944 pesos was from Great Britain, 1,399,615 pesos from the United States, 1,123,836 pesos from Germany, and 807,761 pesos from France. Of the coffee exports the value of 4,586,870 pesos was to Great Britain, 1,954,298 pesos to the United States, and 1,713,536 pesos to Germany.

The imports into the United Kingdom from Costa Rica, according to the Board of Trade Returns, amounted in 1893 to 493,131*l.*, of which 477,803*l.* was for coffee; and the value of the domestic exports from the United Kingdom to Costa Rica amounted to 167,424*l.*; the chief articles exported being cottons, 57,554*l.*; iron, 24,288*l.*; woollens and worsteds, 16,658*l.*; haberdashery, 7,649*l.*

### Shipping and Communications.

In 1893 Costa Rica had 2 merchant steamers of 528 tons and 1 sailing vessel of 318 tons.

In 1893 there entered the ports of Limon and Punta Arenas 356 steamers of 420,811 tons (151 of 186,848 tons British), and 22 sailing vessels of 10,673 tons (2 of 1,460 tons British).

The railway system of Costa Rica extends from Limon, on the Atlantic coast, inland to Alajuela, 147 miles. From Puntarenas, on the Pacific, a line extends to Esparza, 14 miles. This line is being continued to Alajuela, and when it is completed there will be railway communication between the east and west coasts. Other railways are projected.

In 1891 there were 50 post offices. Letters, &c., despatched: internal, 838,051; external, 752,686.

There are (1891) telegraph lines of a total length of 630 English miles, with 43 telegraph offices. The number of messages in 1891 was 222,231

### Money, Weights, and Measures.

#### MONEY.

There are two banks in Costa Rica, the Anglo-Costa Rican Bank, and the Bank of Costa Rica, with a capital of 1,000,000 pesos, and 1,500,000 pesos respectively.

The *Peso* or *Dollar*, of 100 *Centavos*: normal value, 4*s.*; approximate value, 2*s.* 10*d.*, gold being at a premium of 90 to 95 per cent. In 1892 the silver coinage executed at Birmingham for Costa Rica amounted to 138,091 pesos.

#### WEIGHTS AND MEASURES.

The metric system is now in use; the following are the old weights and measures:—

The <i>Libra</i>	. . . . .	= 1·014 lb. avoirdupois.
„ <i>Quintal</i>	. . . . .	= 101·40 lbs. „
„ <i>Arroba</i>	. . . . .	= 25·35 „
„ <i>Fanega</i>	. . . . .	= 1½ imperial bushel.

The old weights and measures of Spain are in general use, but the introduction of the French metric system is contemplated.

## Diplomatic and Consular Representatives.

### 1. OF COSTA RICA IN GREAT BRITAIN.

*Envoy and Minister.*—

*Consul-General.*—John A. Le Lacheur.

There are Consular Representatives at Birmingham, Cardiff, Falmouth, Gibraltar, Glasgow, Hull, Kingston (Jamaica), Liverpool, Manchester, Nottingham, Southampton, Swansea.

### 2. OF GREAT BRITAIN IN COSTA RICA.

*Minister and Consul-General.*—Audley C. Gosling, resident at Guatemala.

*Consul.*—Percy G. Harrison.

## Statistical and other Books of Reference concerning Costa Rica.

### 1. OFFICIAL PUBLICATIONS.

Anuario estadístico de la República de Costa Rica. San José.

Calvo (J. B.), República de Costa Rica. Apuntamientos geográficos, estadísticos e históricos. San José, 1887. Censo General de la República de Costa Rica. 18 Febrero, 1892. San José, 1893.

Costa Rica—Bulletin No. 31 of the Bureau of the American Republics. 8. Washington, 1892.

Estadística del comercio exterior de la República de Costa Rica. San José.

Memoria de la secretaria de gobernación, policía y fomento. San José.

Memoria de la secretaria de guerra y marina. San José.

Memoria de la secretaria de hacienda y comercio. 5. San José.

Villavicencio (Enrique), Director of Statistical Bureau. República de Costa Rica. Año de 1886. San José, 1886.

Foreign Office Reports, Annual Series. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

Bates (H. W.), Central and South America. New edition. London, 1882.

Belly (Félix), A travers l'Amérique centrale. 2 vols. 8. Paris, 1872.

Biolley (Paul), Costa Rica and her Future. Washington, 1889.

Boyle (Frederick), Ride across a Continent: a Personal Narrative of Wanderings through Nicaragua and Costa Rica. 2 vols. 8. London, 1868.

Caceres (J. M.), Geografía de Centro-América. Paris, 1882.

Camphuis (G. W.), Costa Rica: The Country for Emigrants. London.

Frübel (Julius), Aus Amerika. 2 vols. 8. Leipzig, 1857-58.

Marr (N.), Reise nach Centralamerika. 2 vols. 8. Hamburg, 1863.

Morelot (L.), Voyage dans l'Amérique centrale. 2 vols. 8. Paris, 1859.

Peralta (Manuel M.), Costa Rica: its Climate, Constitution, and Resources. With a survey of its present financial position. 8. London, 1873.

Scherzer (Karl, Ritter von), Statistisch-commerzielle Ergebnisse einer Reise um die Erde. 8. Leipzig, 1867.

Scherzer (Karl, Ritter von), Wanderungen durch die mittelamerikanischen Freistaaten. 8. Braunschweig, 1857.

Wagner (Moritz), Die Republik Costa Rica in Centralamerika. 8. Leipzig, 1856.

## DENMARK.

(KONGERIGET DANMARK.)

### Reigning King.

**Christian IX.**, born April 8, 1818, the fourth son of the late Duke Wilhelm of Schleswig-Holstein-Sonderburg-Glücksburg, and of Princess Louise of Hesse-Cassel. Appointed to the succession of the crown of Denmark by the treaty of London of May 8, 1852, and by the Danish law of succession of July 31, 1853. Succeeded to the throne on the death of King Frederik VII., November 15, 1863. Married, May 26, 1842, to Queen *Louise*, born September 7, 1817, the daughter of Landgrave Wilhelm of Hesse-Cassel.

### *Children of the King.*

I. Prince *Frederik*, heir apparent, born June 3, 1843; married July 28, 1869, to Princess *Lowisa*, daughter of King Carl XV. of Sweden and Norway. Offspring of the union are:—1. Prince Christian, born September 26, 1870. 2. Prince Karl, born August 3, 1872. 3. Princess Lowisa, born February 17, 1875. 4. Prince Harald, born October 8, 1876. 5. Prince Ingeborg, born August 2, 1878. 6. Princess Thyra, born March 14, 1880. 7. Prince Gustav, born March 4, 1887. 8. Princess Dagmar, born May 23, 1890.

II. Princess *Alexandra*, born December 1, 1844; married, March 10, 1863, to Albert Edward, Prince of Wales.

III. Prince *Wilhelm*, born December 24, 1845; admiral in the Danish navy; elected King of the Hellenes, under the title of *Georgios I.*, by the Greek National Assembly, March 31, 1863; married, October 27, 1867, to Olga Constantinowna, Grand-Duchess of Russia.

IV. Princess *Marie Dagmar* (Empress *Maria-Feodorovna*), born November 26, 1847; married, November 9, 1866, to Alexander III., Emperor of Russia.

V. Princess *Thyra*, born September 29, 1853; married, December 21, 1878, to Prince Ernest August, Duke of Cumberland.

VI. Prince *Waldemar*, born October 27, 1858; married, October 22, 1885, to Princess Marie d'Orléans, eldest daughter

of the Duc de Chartres, born January 13, 1865 ; offspring, Prince Aage, born June 10, 1887 ; Prince Axel, born August 12, 1888 ; Prince Erich, born November 8, 1890 ; Prince Viggo, born December 25, 1893.

*Brothers and Sisters of the King.*

I. Princess *Frederica*, born October 9, 1811 ; married, October 30, 1834, to Duke Alexander of Anhalt-Bernburg ; widow August 19, 1863.

II. Princess *Louise*, born November 18, 1820 ; nominated abbess of the convent of Itzehoe, Holstein, August 3, 1860.

III. Prince *Julius*, born October 14, 1824 ; general in the Danish army.

IV. Prince *Hans*, born December 5, 1825 ; general in the Danish army.

The crown of Denmark was elective from the earliest times. In 1448, after the death of the last male scion of the Princely House of Svend Estridsen the Danish Diet elected to the throne Christian I., Count of Oldenburg, in whose family the royal dignity remained for more than four centuries, although the crown was not rendered hereditary by right till the year 1660. The direct male line of the house of Oldenburg became extinct with the sixteenth king, Frederik VII., on November 15, 1863. In view of the death of the king without direct heirs, the Great Powers of Europe, 'taking into consideration that the maintenance of the integrity of the Danish Monarchy, as connected with the general interests of the balance of power in Europe, is of high importance to the preservation of peace,' signed a treaty at London on May 8, 1852, by the terms of which the succession to the crown of Denmark was made over to Prince Christian of Schleswig-Holstein-Sonderburg-Glücksburg, and to the direct male descendants of his union with the Princess Louise of Hesse Cassel, niece of King Christian VIII. of Denmark. In accordance with this treaty, a law concerning the succession to the Danish crown was adopted by the Diet, and obtained the royal sanction July 31, 1853.

King Christian IX. has a civil list of 500,000 rigsdalers settled upon him by vote of the Rigsdag, approved December 17, 1863. The heir apparent of the crown has, in addition, an allowance of 60,000 rigsdalers, settled by law of March 20, 1868.

Subjoined is a list of the Kings of Denmark, with the dates of their accession, from the time of election of Christian I. of Oldenburg:—

*House of Oldenburg.*

	A. D.		A. D.
Christian I. . . . .	1448	Christian V. . . . .	1670
Hans . . . . .	1481	Frederik IV. . . . .	1699
Christian II. . . . .	1513	Christian VI. . . . .	1730
Frederik I. . . . .	1523	Frederik V. . . . .	1746
Christian III. . . . .	1533	Christian VII. . . . .	1766
Frederik II. . . . .	1559	Frederik VI. . . . .	1808
Christian IV. . . . .	1588	Christian VIII. . . . .	1839
Frederik III. . . . .	1648	Frederik VII. . . . .	1848

*House of Schleswig-Holstein-Sonderburg-Glücksburg.*

Christian IX., 1863.

**Constitution and Government.**

The present Constitution of Denmark is embodied in the charter of June 5, 1849, which was modified in some important respects in 1855 and 1863, but again restored, with various

alterations, by a statute which obtained the royal sanction on July 28, 1866. According to this charter, the executive power is in the king and his responsible ministers, and the right of making and amending laws in the Rigsdag, or Diet, acting in conjunction with the sovereign. The king must be a member of the Evangelical Lutheran Church, which is declared to be the religion of the State. The Rigsdag comprises the Landsting and the Folkething, the former being a Senate or Upper House, and the latter a House of Commons. The Landsting consists of 66 members. Of these, 12 are nominated for life by the Crown, from among actual or former representatives of the Kingdom, and the rest are elected indirectly by the people for the terms of eight years. The choice of the latter 54 members of the Upper House is given to electoral bodies composed partly of the largest taxpayers in the country districts, partly of deputies of the largest taxpayers in the cities, and partly of deputies from the totality of citizens possessing the franchise. Eligible to the Landsting is every citizen who has passed his twenty-fifth year and is a resident of the district. The Folkething, or Lower House of Parliament, consists of 102 members, returned in direct election, by universal suffrage, for the term of three years. According to the Constitution there should be one member for every 16,000 inhabitants. The franchise belongs to every male citizen who has reached his thirtieth year, who is not in the actual receipt of public charity, or who, if he has at any former time been in receipt of it, has repaid the sums so received, who is not in private service without having his own household, and who has resided at least one year in the electoral circle on the lists of which his name is inscribed. Eligible for the Folkething are all men of good reputation past the age of twenty-five. Both the members of the Landsting and of the Folkething receive payment for their services at the rate of 3 rixdalers (6s. 8d.) per day during the actual session, and are reimbursed for travelling expenses to and from the capital.

The Rigsdag must meet every year on the first Monday in October. To the Folkething all money bills must in the first instance be submitted by the Government. The Landsting, besides its legislative functions, has the duty of appointing from its midst every four years the assistant judges of the Rigsret, who, together with the ordinary members of the Høiesteret, form the highest tribunal of the Kingdom (Rigsret), and can alone try parliamentary impeachments. The ministers have free access to both of the legislative assemblies, but can only vote in that chamber of which they are members.

The executive, acting under the king as president, and called the State Council—Statsraadet—consists of the following eight departments:—

1. The Presidency of the Council and Ministry of Finance.—Baron *Reedtz-Thott*, appointed August 7, 1894.
2. Ministry of the Interior.—*M. Hoerring*, appointed January, 1894.

3. Ministry of Justice and for Iceland.—J. M. V. *Nellemann*, June 11, 1875.
4. Ministry of Finance.—C. D. *Lüttichau*, August 7, 1894.
5. Ministry of War.—General C. A. F. *Thomsen*, August 7, 1894.
6. Ministry of Marine.—Commander N. F. *Ravn*, January 4, 1879.
7. Ministry of Public Instruction and Ecclesiastical Affairs.—V. *Bardenfleth*, August 7, 1894.
8. Ministry of Public Works.—H. P. *Ingerslev*, appointed January, 1894.

The ministers are individually and collectively responsible for their acts, and if impeached, and found guilty, cannot be pardoned without the consent of the Folkething.

Denmark is divided into 18 counties (Amt), each of which is administered by a Governor (Amtmand), and the counties into Hundreds (Herreder), each with a portion of the Peace (Herredsfoged or Birkedommer). In the towns there is a Mayor, appointed by the government, with or without aldermen. The Hundreds are divided into parishes of which there are, in all, about 1,070. Copenhagen forms a district by itself, and has its own form of administration.

The chief of the dependencies of the Crown of Denmark, Iceland, has its own constitution and administration, under a charter which came into force August 1, 1874. By the terms of this charter, the legislative power is vested in the Althing, consisting of 36 members, 30 elected by popular suffrage, and 6 nominated by the king. A minister for Iceland, nominated by the king, is at the head of the administration; while the highest local authority is vested in the governor, who resides at Reikjavik. Besides him there are two Amtmands for the western and the northern districts of Iceland.

### Area and Population

The following table gives the area and population of Denmark, according to the last decennial census, taken February 1, 1890:—

Divisions	Area English sq. m.	Population 1890	Population per sq. m.
City of Copenhagen (Kjöbenhavn) } without suburbs . . . . . }	7·7	312,859	40,569
Islands in the Baltic . . . . .	5,024	917,401	183
Peninsula of Jutland . . . . .	9,743	942,120	96
Faeroe Islands (17 inhabited) . . . . .	514	12,955	25
Total . . . . .	15,289	2,185,335	143

The population (excluding the Faeroes) consisted of 1,059,322 males and 1,112,983 females. The total population at the census of 1870 was 1,794,723, and of 1880 1,980,259, showing an increase during each of the two decennial periods of nearly 10 per cent., or 1 per cent. per annum. In Denmark proper the town population has increased from 515,758 in 1880 to 663,121 in 1890, or at the rate of 28·7 per cent.; while the rural population has increased from 1,453,281 in 1880 to 1,509,084 in 1890, or at the rate of 3·77 per cent. The population is almost entirely

Scandinavian ; in 1890, of the inhabitants of Denmark proper, 96·67 per cent. were born in Denmark, 0·06 per cent. were born in the Colonies, 0·16 per cent. in Norway, 1·56 per cent. in Sweden, 0·96 per cent. in Sleswig, 0·47 per cent. in other parts of Germany, and 0·12 per cent. in other foreign countries. The foreign-born population was thus 3·27 per cent. of the whole.

According to occupation the population of Denmark in 1890 was classified thus:—

Royal Family ... ..	16	Day labourers and no fixed occupation ... ..	207,595
Immaterial production ...	135,790	Pensioners ... ..	57,999
Railways, posts, &c. ...	26,644	Capitalists ... ..	34,974
Agriculture ... ..	882,336	Blind, deaf, &c. ... ..	3,753
Industry ... ..	534,428	Public paupers ... ..	39,014
Commerce ... ..	172,929	In prisons ... ..	1,822
Land transport ... ..	16,086		
Navigation ... ..	26,082		
Fishing ... ..	32,912	Total .. ..	2,172,380

The population of the capital, Copenhagen (Kjöbenhavn), in 1890, was 312,859, or with suburbs, 375,251 ; Aarhus, 33,308 ; Odense, 30,277 ; Aalborg, 19,503 ; Horsens, 17,290 ; Randers, 16,617.

The following table gives the total number of births, deaths, and marriages, with the surplus of births over deaths, in five years:—

Years	Total Births	Still Births	Marriages	Deaths	Surplus of Births over Deaths
1889	69,237	1,852	15,233	40,004	27,381
1890	68,111	1,735	14,975	41,377	24,999
1891	69,664	1,727	14,941	43,954	23,983
1892	67,162	1,694	15,039	43,079	22,389
1893	70,280	1,750	15,739	42,295	26,235

Of the births 10 per cent. were illegitimate.

Emigration carried off, chiefly to the United States, 8,967 in 1889 ; 10,298 in 1890 ; 10,382 in 1891 ; 10,422 in 1892 ; 9,150 in 1893.

### Religion.

The established religion of Denmark is the Lutheran, which was introduced as early as 1536, the Church revenue being at that time seized by the Crown, to be delivered up to the university and other religious and educational establishments. The affairs of the National Church are under the superintendence of seven bishops. The bishops have no political character. Complete religious toleration is extended to every sect, and no civil disabilities attach to Dissenters. In 1885 there were 1,353 clergymen.

According to the census of 1890, there were only 33,851 persons, or 1·5 per cent. of the population, not belonging to the National Church. Of this number 10,624 belonged to other Lutheran denominations, 4,080 were Jews, 4,556 Anabaptists, 3,647 Roman Catholics, 2,609 Irvingites, 2,301 Methodists, 1,252 belonged to the German or French Reformed Church, 1,281 other Christians, 941 Mormons, and 2,560 of no confession.

### Instruction.

Elementary education has been widely diffused in Denmark since the beginning of this century, and in 1814 it was made compulsory. The school



age is from 7 to 14. The public schools, maintained by communal rates are free to children whose parents cannot afford to pay. Of elementary schools there are about 2,940 (28 in Copenhagen, 132 in other towns, and 2,780 in rural districts), with 231,940 pupils, or 123 per 1,000 of population. For higher instruction there are : a veterinary and agricultural college at Copenhagen (founded 1892) with 22 teachers ; 21 agricultural or horticultural schools ; 67 *folkehøjskoler* or popular high schools ; 31 Latin schools (14 Government, 17 private) ; a college of pharmacy (founded 1892) with 7 teachers ; a Royal academy of arts (founded 1754) with 7 teachers ; 99 *realskoler* or technical and commercial schools. The *folkehøjskoler* are all private, but to them and the agricultural schools the state annually makes a grant of about 300,000 kroner. To 72 of the *realskoler* grants are made amounting in the year 1892-93 to 109,000 kroner, exclusive of the cost of apparatus, inspection, &c. The University of Copenhagen founded in 1479, has 5 faculties, to all of which, except theology, women are admitted on equal terms with men. It has 40 professors and about 1,300 students.

### Justice and Crime.

The lowest courts of justice in Denmark are those of the hundred or district magistrates (*herredsfogder* and *birkedommere*) and town judges (*byfogder*). From these courts an appeal lies to the superior court, or court of second instance, in Viborg with 9 judges, and in Copenhagen with 17 judges. The Copenhagen superior court, however, is identical with that of the civic magistrates. The supreme court (*Højesteret*) or court of final appeal, with a chief justice, 12 puisne judges, and 11 special judges sits in Copenhagen. Judges under 65 years of age can be removed only by judicial sentence.

In 1890, 2,819 males and 1,078 females were convicted of crime.

### Finance and Defence.

By the terms of the Constitution of Denmark the annual financial budget, called the 'Finantslovsforslag,' must be laid on the table of the Folkething at the beginning of each session. As to the annual financial accounts, called 'Statsregnskab,' the Constitutional Charter prescribes them to be examined by four paid revisers, two of whom are elected by the Folkething and two by the Landsthing. Their report is submitted to both Chambers, which, after due consideration, pass their resolution generally to the effect that they have no remarks to make on the balance-sheet.

The following shows the actual revenue and expenditure for the five years ending March 31, 1894 :—

Year	Revenue	Expenditure
	Kroner	Kroner
1890	57,392,986	62,329,181
1891	56,811,602	66,287,089
1892	57,233,340	64,974,837
1893	55,973,549	63,192,087
1894	58,075,266	62,152,474

The estimated revenue for 1895-96 was 62,743,929 kroner, and expenditure 61,767,435 kroner. The following is an abstract of the budget for 1895-96 :—

Revenue	Kroner	Expenditure	Kroner
Balance of domain revenues . . . . .	791,524	Civil list and appanages . . . . .	1,155,200
Interest on State assets . . . . .	4,571,570	Rigsdag and Council of State . . . . .	319,016
Direct taxes . . . . .	9,971,100	Interest and expenses on State debt . . . . .	6,654,250
Indirect taxes, mainly customs and excise.	39,085,000	Pensions, including military invalids . . . . .	3,235,407
Posts and Telegraphs . . . . .	85,345	Ministry of Foreign Affairs . . . . .	585,456
Balance of lotteries . . . . .	1,034,000	Ministry of Interior . . . . .	5,714,111
Revenue from Faeroe Islands . . . . .	40,561	Ministry of Justice . . . . .	3,979,008
Separate revenues . . . . .	501,684	Ministry of Public Worship & Instruction . . . . .	3,909,298
Revenue from employment of property and funding of debt . . . . .	6,663,145	Ministry of War . . . . .	10,239,755
		Ministry of Marine . . . . .	6,820,065
		Ministry of Public Works . . . . .	733,811
		Ministry of Finance . . . . .	3,840,878
		Iceland . . . . .	85,764
		Extraordinary State expenditure . . . . .	4,459,074
		Improvement of State property and reduction of debt . . . . .	10,036,342
Total revenue . . . . .	62,743,929	Total expenditure . . . . .	61,767,435

An important feature in the administration of the finances of the kingdom is the maintenance of a reserve fund of a comparatively large amount. In 1867 it was 148,000,000 kroner; in 1877, 85,900,000 kroner; in 1887, 98,600,000 kroner. On the 31st of March, 1894, it stood at 34,754,796 kroner. The object of the reserve fund is to provide means at the disposal of the Government in the event of sudden occurrences.

The public debt of Denmark has been incurred in part by large annual deficits in former years, before the establishment of parliamentary government, and in part by railway undertakings and the construction of harbours, lighthouses, and other works of public importance. The following table gives the national liabilities at different periods, from 1870 to 1894:—

Year ending March 31	Capital of Debt	Year ending March 31	Capital of Debt
	Kroner		Kroner
1870 . . . . .	234,740,700	1892 . . . . .	185,053,139
1880 . . . . .	173,838,612	1893 . . . . .	183,540,675
1890 . . . . .	188,148,541	1894 . . . . .	182,108,483

The debt is divided into an internal and a foreign. The total foreign debt amounted in 1894 to 9,554,183 kroner. The external debt is mostly at 4 per cent., and the internal mostly at 3½ per cent.

The entire charge of the debt for 1893-94 was set down as 6,722,180 kroner; after deducting productive investments, &c., the charge per head of

population would be about 2s. 9d. The investments of the State on March 31, 1894, including the reserve fund, but excluding the State railways (valued at 185,975,410 kroner), amounted to 50,976,260 kroner.

The army of Denmark consists of all the able-bodied young men of the kingdom who have reached the age of 22 years. They are liable to service for eight years in the regular army and its reserve, constituting the first line, and for eight years subsequent in the extra reserve. The drilling is divided into two periods: the first lasts six months for the infantry; five months for the field artillery and the engineers; nine months and two weeks for the cavalry; and four months for the siege artillery and the technic corps. The second period of drill, which is for only a portion of the recruits of each branch of arms, notably those who have profited the least by the first course, lasts nine months for the infantry, eleven months for the cavalry, and one year for the artillery and the engineers. Besides, every corps has to drill each year during thirty to forty-five days. The kingdom is divided into two divisions or commands, the eastern and the western, the former subdivided into two and the latter into three brigades, and each brigade into two battalions. Every brigade furnishes the contingent of a brigade of infantry and one regiment of cavalry.

The forces of the kingdom comprise 31 battalions of infantry of the line with 11 of reserve; 5 regiments of cavalry, each with 3 squadrons active and a depôt; 2 regiments of field artillery, in 12 batteries, and 4 of reserve, and 2 battalions with 6 companies of fortress artillery, and 5 companies of reserve; and 1 regiment of engineers. The strength of the army (1894) is 778 officers and 13,152 men; the war strength is 1,214 officers and 42,919 men. Including the Citizen Corps of Copenhagen and Bornholm Island, the total war strength is about 60,000 men, exclusive of the extra reserve, only called out in emergencies, and numbering 16,500 officers and men.

The Danish fleet is maintained for purposes of coast-defence. The naval estimates for 1895-96 reach the sum of 7,735,415 kroner, and are largely for maintenance and completion, but provide for the laying down of a first-class torpedo-boat and one armour-clad. The fleet is thus constituted, according to the system of classification adopted in this book (see introductory table): Battleship, 1 second-class; port defence ships, 4; 3 first-class armoured cruisers *b*; 6 third-class cruisers *a*; and 14 of the same class *b* (*i.e.* with less than 10 knots' sea speed); torpedo boats, 6 first-class, 4 second-class, 2 third-class, and some smaller. The following are the armoured vessels of the Danish Navy. Those in *italic* are relegated to the port defence class; *b.* broadside, *c. b.* central battery, *t.* turret, *bar.* barbette, *Q.F.* quick-firing.

Description	Name	Launched	Displacement	Extreme thickness Armour in Inches.	Armament	Torpedo Ejectors	Indicated Horse-power	Nominal Speed: Knots
<i>b</i>	<i>Absalon</i>	1862	520	2½	2 5in.; 2 3in.	—	500	11·0
<i>t</i>	<i>Lindormen</i>	1868	2,050	5	2 13-ton; 4 3in.	—	1,500	12·0
<i>t</i>	<i>Gorm</i>	1870	2,350	7	2 18-ton; 4 2¼in. Q.F.	—	1,600	12·2
<i>c b</i>	<i>Odin</i>	1872	3,050	8	4 18-ton; 4 3½in. Q.F.	—	2,200	12·4
<i>c b</i>	Helgoland	1878	5,300	12	1 36-ton; 4 22-ton; 4 5in.; 2 2¼in. Q.F.	4	4,000	13·4
ARMOURD CRUISERS.								
<i>bar</i>	Tordenskjold	1880	2,400	8	1 52-ton; 4 4¾in.	4	2,600	14·0
<i>bar</i>	Iver Hvitfeldt.	1886	3,250	11½	2 28-ton; 4 4¾in.; 2 2¼in. Q.F.	4	5,100	15·6
<i>t</i>	Skjold	—	4,500	12	2 28-ton; 4 4¾in.	4	5,100	15·5

The *Tordenskjold* is a remarkable ship having no side-armour, but carrying in an armoured barbette the heaviest gun in the Danish Navy. The deck-protected cruisers *Geiser*, *Hekla*, and *Heimdal* (1,270 tons), *Fyen* (2,540 tons), and *Valkyrien* (2,850 tons) have been built, like most other Danish vessels, at Copenhagen. The *Heimdal* was launched on August 31, 1894. The fortifications of Copenhagen have been completed.

### Production and Industry.

The soil of Denmark is greatly subdivided, owing partly to the state of the law, which interdicts the union of small farms into larger estates, but encourages, in various ways, the parcelling out of landed property, and leaves the tenant entire control of his land so long as the rent is paid.

Of the total area of Denmark 80 per cent. is productive; about one sixth of the unproductive area is peat bogs. Of the productive area 6 per cent. is forest, and of the remainder less than one half is arable, and the remainder pasture and meadows. The total area under corn crops, according to latest returns, was 3,029,404 acres; potatoes, 128,849 acres; clover, 456,585 acres; bare fallow, 637,696 acres; meadows, &c., 2,625,865 acres. The leading crops in 1893 were oats, 26,480,000 bushels; barley, 17,550,000 bushels; rye, 18,560,000 bushels; wheat, 4,521,000 bushels; potatoes, 20,730,000 bushels; other roots, 80,650,000 bushels; besides vegetables, hay and clover. The total value of the produce in 1893 was 264,490,316 kroner; in 1892, 324,993,375 kroner.

On July 15, 1893, there were in Denmark proper 410,639 horses, 1,696,190 head of cattle, 1,246,552 sheep, 25,266 goats, and 829,131 swine. (In 1881 there were 1,470,078 cattle, and in 1871, 1,238,898.)

In 1893 there were exported 11,330 horses, 80,822 head of cattle, 1,968 sheep and lambs, and 44,234 swine.

In 1893 there were in Denmark 100 distilleries (Copenhagen 31), whose output of brandy, reduced to pure alcohol (100 per cent.), was 3,615,860 gallons (17,007,808 potter).

In the same year 22,601 tons of beet sugar were produced at 6 sugar factories.

### Commerce.

The following table shows the value, according to official returns, of the imports and the exports of home produce (including precious metal) for six years.

Years	Imports	Exports	Years	Imports	Exports
	Kroner	Kroner		Kroner	Kroner
1888	274,363,759	186,596,793	1891	334,613,378	249,033,125
1889	304,327,851	209,319,456	1892	324,537,214	252,318,525
1890	307,031,194	233,837,937	1893	320,294,907	235,115,937

The commerce of Denmark was divided among the following classes in 1892 and 1893:—

	Imports, 1892	Imports, 1893	Exports, 1892	Exports, 1893
	1,000 kroner	1,000 kroner	1,000 kroner	1,000 kroner
Foods . . . . .	127,900	120,100	204,300	186,200
Manufactured articles . . . . .	71,100	73,400	12,800	11,800
Raw products . . . . .	106,300	103,900	24,700	26,400
Means of production (machinery, &c.) . . . . .	19,300	22,900	10,500	10,700
Total . . . . .	324,600	320,300	252,300	235,100

The principal articles of import and export, with their respective values, were as follows :—

	Imports, 1892	Imports, 1893	Exports, 1892	Exports, 1893
	Kroner	Kroner	Kroner	Kroner
Colonial goods . . . . .	32,329,546	33,684,870	8,413,574	8,652,843
Beverages . . . . .	5,121,784	4,437,389	2,327,868	1,815,755
Textile manufactures . . . . .	42,275,171	43,065,931	5,362,303	5,131,212
Metals and hardware . . . . .	27,074,748	31,981,819	4,373,599	5,161,906
Wood & manufactures . . . . .	17,039,472	16,284,898	4,002,801	3,293,251
Coal . . . . .	21,699,997	21,661,184	2,003,824	2,000,062
Animals . . . . .	4,185,840	1,624,875	40,463,626	21,333,760
Pork, butter, eggs, lard . . . . .	30,932,802	31,071,899	132,571,067	141,089,676
Cereals . . . . .	32,397,638	29,441,400	19,348,872	12,849,539

The following table shows the distribution of Danish foreign trade :—

Countries	Imports, 1892	Imports, 1893	Exports, 1892	Exports, 1893
	Kroner	Kroner	Kroner	Kroner
Germany . . . . .	103,821,806	110,443,429	67,030,702	47,219,855
United Kingdom . . . . .	68,079,641	69,034,019	135,599,983	144,094,682
Sweden and Norway . . . . .	53,617,733	48,874,277	10,457,640	27,698,598
United States . . . . .	28,628,557	20,193,953	1,419,399	1,084,878
Rest of America . . . . .	1,504,335	822,037	39,860	18,002
Russia . . . . .	18,850,964	27,465,375	3,404,511	2,204,434
Holland . . . . .	7,988,246	8,346,078	282,060	284,330
Belgium . . . . .	7,505,250	5,479,645	918,925	926,464
France . . . . .	10,439,401	5,268,997	1,263,302	1,349,486
Danish Colonies . . . . .	4,068,350	3,867,379	4,241,633	4,051,192

The value of the imports into the United Kingdom from Denmark (including Iceland, the Faeroe Islands, and Greenland), and of the domestic

exports from the United Kingdom to Denmark, is shown in the subjoined table in each of the last five years, according to the Board of Trade Returns :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into Gt. Britain	7,845,877	7,753,889	7,936,787	8,041,662	8,936,835
Exports of British produce . . . . .	2,364,409	2,539,467	2,617,220	2,622,435	2,539,799

The imports of butter into Great Britain from Denmark rose from 767,190*l.* in 1870 to 5,278,875*l.* in 1893. In 1893 the imports of live animals from Denmark amounted to the value of 51,413*l.* (in 1891, 359,553*l.*), comprising 35,254*l.* for sheep and 16,159*l.* for horses. The import of eggs has risen from 67,654*l.* in 1878 to 376,793*l.* in 1893. The import of lard was 141,503*l.* in 1886, 9,725*l.* in 1892, 20,025*l.* in 1893. Of British exports to Denmark in 1893, cotton manufactures and yarn amounted to 422,305*l.*, coal to 668,072*l.*, iron, wrought and unwrought, to 167,982*l.*, sugar, 143,082*l.*, and woollens, including yarn, 250,986*l.*

### Shipping and Navigation.

On December 31, 1893, Denmark and colonies possessed 3,675 vessels (of 4 tons and upwards) of 330,911 registered tons in her merchant marine, of which 374 of 129,209 tons were steamers. In 1893, 27,203 vessels of 2,049,354 tons cargo (741 of 394,727 tons cargo British) entered the Danish ports, and 27,305 vessels of 582,819 tons cargo (752 of 40,266 tons cargo British) cleared, besides 30,234 coasting vessels entered, and 31,611 cleared.

### Internal Communications.

There are (1893) railways of a total length of 1,292 English miles open for traffic in the kingdom. Of this total, about 999 English miles belong to the State, the total cost of which up to March 31, 1894, was 185,975,410 kroner.

The Post Office in the year 1893 carried 62,413,076 letters and post-cards, and 59,210,562 samples and printed matter. There are 783 post-offices. The State telegraphs in 1893 carried 1,804,910 messages, of which 679,798 were internal, 1,085,446 international, 39,666 official. The total length of telegraph lines at the end of 1893 was 3,674 English miles (2,910 belonging to the State), and the length of wire 10,280 English miles. At the same date there were 401 telegraph offices, of which 170 belonged to the State, and 231 to railway companies.

### Money and Credit.

On 31 July, 1894, the accounts of the National Bank balanced at 123,323,763 kroner. The assets included 24,621,982 kroner in bullion, and 27,420,374 in specie. The liabilities included 78,000,000 kroner note issue, 27,000,000 kroner of capital, and 3,000,000 kroner reserve fund. In Den-

mark there are about 40 other banks for commercial, agricultural, industrial, and other purposes. In 1892 there were 540 savings banks, with 886,291 depositors, and deposits amounting to 515,934,062 kroner.

## Money, Weights, and Measures.

### MONEY.

The monetary unit, the *Krone* of 100 öre, is of the value of 1s. 1½d., or about 18 kroner to the pound sterling.

Gold coins are 20 and 10-kroner pieces. The 20-kroner piece weighs 8·960572 grammes ·900 fine, and thus contains 8·0645 grammes of fine gold.

The 2-kroner silver piece, or *Rigsdaler*, weighs 15 grammes ·800 fine, and thus contains 12 grammes of fine silver.

The standard of value is gold. Silver is legal tender up to 20 kroner.

### WEIGHTS AND MEASURES.

The *Pund* = 1000 *Kvint* = 1000 *Ort* = 1·1023 lb. avoirdupois. The *Centner* = 100 *Pund* = 110·23 lb. avoirdupois.

<i>Tönde</i> grain . . .	=	3·827 bush.	<i>Alen</i> (= 2 <i>Fod</i> ) =	0·6864 yard.
„ oil . . .	=	28·9189 gal.	<i>Kubik fod</i> . . .	= 1·0918 c. ft.
„ butter . . .	=	246·9179 lbs. av.	<i>Töndeland</i> . . .	= 1·36 acre.
„ coal . . .	=	4·6775 bush.	<i>Register-Ton</i> for	
<i>Pot</i> . . .	=	0·2126 gal.	sailing ships =	1 ton reg.
<i>Viertel</i> . . .	=	1·7011 „	<i>Register-Ton</i> for	
<i>Ship Last</i> . . .	=	2 tons.	steamers . . .	= 0·89 „

## Diplomatic and Consular Representatives

### 1. OF DENMARK IN GREAT BRITAIN.

*Envoy and Minister*.—F. C. Bille, accredited 1890.

*Secretary of Legation*.—Count Ahlefeldt-Laurvig.

*Attaché*.—Christian August Gosch.

*Consul-General in London*.—E. A. Delcomyn.

There are Consuls at Belfast, Edinburgh (C.G.), Hull (C.G.), Liverpool, Auckland (N.Z.), Bombay, Brisbane, Calcutta, Cape Town, Halifax (N.S.), Hong Kong, Kingston (Jamaica), Madeira, Malta, Melbourne, Montreal, Singapore, Sydney, Wellington (N.Z.).

### 2. OF GREAT BRITAIN IN DENMARK.

*Envoy and Minister*.—Charles Stewart Scott, C.B., Envoy at Berne, May 1, 1888 ; at Copenhagen, January 1, 1893.

*Secretary*.—

There are Consuls at Copenhagen, Reikjavik (Iceland), St. Thomas (West Indies).

## Colonies.

The colonial possessions of Denmark consist of territories in Europe and America. Their area and population in October, 1890, and the value of their imports into and exports from Denmark in 1893, according to Danish returns, were :—

Colonies	Area English sq. m.	Population	Imports, 1893	Exports, 1893
Iceland . . .	39,756	70,927	Kroner 2,593,992	Kroner 2,777,405
Greenland . .	46,740	10,516	619,161	437,902
West Indies . .	118	32,786	317,986	195,511
Total . . .	86,614	114,229	3,531,139	3,410,818

The West Indian Islands, St. Croix, St. Thomas, and St. John, are inhabited mostly by free negroes engaged in the cultivation of the sugar-cane; but the trade with Denmark, formerly considerable, has fallen off in recent years. The imports, &c., from the Danish West Indies into the United Kingdom amounted to 1,048*l.* in 1892, and 2,689*l.* in 1893; and that of the exports of British produce to these islands to 77,452*l.* in 1892; 79,727*l.* in 1893. The chief article of import into Great Britain from these islands in 1893 was tobacco and cigars, 2,273*l.*; while the British exports were mainly cotton goods, to the value of 23,631*l.*; telegraph apparatus, 18,869*l.*; haberdashery, 5,055*l.*; coal, 4,457*l.*; iron, 4,057*l.*

## Statistical and other Books of Reference concerning Denmark.

### 1. OFFICIAL PUBLICATIONS.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.  
 Aperçu préliminaire des principaux résultats de recensement du 1<sup>er</sup> février 1890 en Danemark. Copenhague, 1890.  
 Den dansk-tydske Krig, 1864. Udgivet af Generalstaben. 8. Copenhague. 1890.  
 Foreign Office Reports on the Trade, &c., of Denmark. Annual. London.  
 Justice criminelle, 1886-90. 4. Copenhague.  
 Kongelig Dansk Hof og Statscalender. Kjöbenhavn, 1894.  
 Sammen drag af statistiske Oplysninger. 8. Kjöbenhavn, 1894.  
 Statistisk Tabelværk. Kongerigets Vare-Indførsel og Udførsel samt den indenlandske Frembringelse af Braendevin og Roesakker i Aaret 1893. Udgivet af det Statistiske Bureau.—Kongerigets Handels-Flaade og Skibsfart i Aaret 1893. 4. Kjöbenhavn 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Andersen* (I.), Copenhague and its Environs. London.  
*Baedeker's* Handbook for Norway, Sweden, and Denmark, 5th ed. 12. London, 1892.  
*Both*, Kongeriget Danmark, en historisk-topographisk Beskrivelse. 2 vols. Copenhague, 1882-85.  
*Dahlman* (F. C.), Geschichte von Dänemark. 3 vols. 8. Gotha, 1840-1843.  
*Gallenga* (A.), The Invasion of Denmark in 1864. 2 vols. 8. London, 1864.  
*Murray's* Handbook for Denmark. 8. London.  
 National ökonomisk Tidsskrift. Kjöbenhavn, 1894.  
*Otié* (E. C.), Denmark and Iceland. 8vo. London, 1881.  
*Petersen* (C. P. N.), Love og andre offentlige Kundgjorelser, &c., vedkommende Landvæsenet i Kongeriget Danmark. 8. Kjöbennavn, 1865.  
*Trap* (J. P.), Statistisk-topographisk Beskrivelse af Kongeriget Danmark. 2nd ed. 4 vols. 8. Kjöbenhavn, 1872-78.  
*Weiteneyer* (H.), Dänemark; Geschichte und Beschreibung. 12. (Of this there is an English translation.)

### 3. DEPENDENCIES.

*Carstensen* (A. R.), Two Summers in Greenland. 8. London, 1890.  
*MacCormick* (W. F.), A Ride Across Iceland in 1891. 8. London, 1892.  
*Nansen* (F.), The First Crossing of Greenland. London, 1891. Eskimo Life. 8. London, 1893.  
*Taylor* (C. E.), Leaflets from the Danish West Indies. 8. London, 1888.



## ECUADOR.

(REPÚBLICA DEL ECUADOR.)

### Constitution and Government.

The Republic of Ecuador was constituted May 11, 1830, in consequence of a civil war which separated the members of the original Republic of Colombia, founded by Simon Bolivar, by uniting the Presidency of Quito to the Vice-Royalty of New Grenada, and the Captaincy-General of Venezuela, when they threw off the Spanish yoke. A Boundary Treaty which was concluded between Peru and Ecuador on the 2nd of May, 1890, and sanctioned by the Ecuadorian Congress, was subjected to amendment by Peru in 1893, and in 1894 was revoked by the Ecuadorian Congress. Ecuador is also involved in a dispute with the Republic of Colombia respecting certain territories on the left bank of the river Napo. By its Constitution, dating 1884, with modifications in 1887, the executive is vested in a President, elected for the term of four years, while the legislative power is given to a Congress of two Houses; the first consisting of two senators for each province (chosen for four years, one-half retiring every two years), and the second of deputies, on the basis of one deputy for every 30,000 inhabitants, chosen for two years; both elected by adults who can read and write and are Roman Catholics. The Congress meets on the 10th of June of every other year at Quito, the capital and seat of the Government, without being summoned by the Government. The election of the President takes place in a direct manner by the people, and that of the Vice-President, whose term of office is also four years, by the same procedure, but two years after that of the President, so that he is a member of two distinct administrations. The Vice-President in certain cases may be called upon to occupy the Presidential chair. He also discharges the duties of President of the Council of State.

*President of the Republic.*—Señor Doctor Don Luis Cordero, elected June 30, 1892.

The President, who receives a salary of 12,000 sucres a year, theoretically exercises his functions through a Cabinet of five ministers, who, together with himself, may be impeached by Congress, and who, with other seven members, form a Council of State. Each minister receives a salary of 2,880 sucres a year. The President has the power of veto, but if Congress insist on a vetoed bill becoming law, he has no alternative but to give his assent to it. He may summon an Extraordinary Congress for a specified purpose, but he cannot dissolve the Chambers or shorten their sittings. By the terms of the Constitution privileges of rank and race are not allowed to exist within the Republic, but most of the Indians are virtually in bondage.

The Provinces are administered by Governors, appointed by the Government; their subdivisions, or cantons, by political chiefs; and the parishes by political lieutenants. The Galapagos Archipelago is under a territorial chief.

### Area and Population.

The area of Ecuador is about 120,000 square miles, divided into sixteen provinces and one territory, with about 1,270,000 inhabitants—whites 100,000, mixed 300,000, Indians 870,000. Included in the above statement are the Galapagos or Tortoise Islands, with an area of 2,400 square miles, and a population of about 200.

The population of the Republic is distributed as follows:—

Provinces	Pop.	Provinces	Pop.	Provinces	Pop.
Carchi . . . . .	36,000	Cañar . . . . .	64,014	Guayas . . . . .	98,042
Imbabura . . . . .	67,940	Azuay . . . . .	132,400	Manabi . . . . .	64,123
Pichincha . . . . .	205,000	Loja . . . . .	66,456	Esmeraldas . . . . .	14,553
Leon . . . . .	109,600	Bolivar . . . . .	43,000	Oriente . . . . .	80,000
Tungurahua . . . . .	103,033	Rios . . . . .	32,800		
Chimborazo . . . . .	122,300	Oro . . . . .	32,600		
					1,271,861

The chief towns are the capital, Quito (80,000), Guayaquil (45,000), Cuenca (25,000), Riobamba (12,000), Ambato, Loja, and Latacunga (each about 10,000).

### Religion and Instruction.

The religion of the Republic, according to the Constitution, is the Roman Catholic, to the exclusion of every other. Its income, in substitution for tithes, is annually provided for in the estimates. Primary education is gratuitous and obligatory. There is a University in Quito with 32 professors and 216 students, and University bodies in Cuenca and Guayaquil. There are 9 schools for higher education, 35 secondary, and 1,088 primary schools; the total number of teachers is 1,498, and of pupils 68,380.

There are commercial and technical schools in Quito and Guayaquil.

### Justice and Crime.

The appellate courts are the Supreme Court in Quito, and six superior courts at different centres. The inferior courts deal with criminal, civil, and commercial cases. In the Republic there are 33 cantonal and 359 parochial justices, and 85 solicitors admitted to practice. There is a consular court in Quito and one in Guayaquil.

In the one penitentiary of the Republic, which is in Quito, there were on October 9, 1893, 140 men and 18 women convicted of serious crimes.

### Finance.

Of the total revenue about 70 per cent. is derived from customs duties; 15 per cent. from taxes on cocoa, real estate, white rum, and tobacco; 6 per cent. from salt and gunpowder monopolies, and the remainder mostly from excise, rents of State property, and the postal department. For biennial periods the revenue has been; 1888-89, 7,356,606 sucres; 1890-91, 7,766,957 sucres; 1892-93, 1,125,006 sucres. For the year 1892 the revenue was 3,799,304 sucres, and expenditure 4,080,525 sucres; for 1893, revenue 4,325,702 sucres; expenditure, 4,433,450 sucres.

The foreign liabilities of the Republic are made up of a debt of 1,824,000*l.*, which amount formed the part of the debt assigned to Ecuador on its secession from Colombia in 1830. In 1854 an arrangement was made with the bondholders, under which this debt was recognised by Ecuador, but in 1867 service of this debt ceased. The arrears of interest amounted in 1891 to 428,640*l.* By an arrangement with the British bondholders, July 29, 1892, the capital of the foreign debt was reduced to 750,000*l.* Every bond has attached 50 half yearly coupons at the following rates of interest:—4½ per cent. for five years, 4¾ per cent. for the next five years, and 5 per cent. for the following 15 years, with ½ per cent. sinking fund during the first five years, and 1 per cent. afterwards. The Congress of 1894, however (after payment of three coupons), have suspended payment pending a further and less onerous arrangement. Meanwhile, the ten per cent. surtax upon import dues is being collected, and deposited in a Guayaquil bank. When the 50 coupons are exhausted, the Government of Ecuador must provide for the outstanding bonds

such coupons as may be necessary to represent the interest for the time required for the total extinction of the debt. The internal debt amounts to about 5,000,000 sucrés.

### Defence.

The Ecuadorian army numbers 3,341 officers and men. This force is composed of 1 brigade of fortress and 1 of field artillery, 4 battalions of infantry 2 columns of light infantry, and a regiment of cavalry.

The navy consists of a cruiser, which cannot be classified, a torpedo launch, two small gunboats for river service, and a transport, which vessels are manned by about 128 men. The national guard is said to consist of 30,000 men.

### Commerce.

The staple produce of Ecuador is cocoa, but coffee, sugar, and rice are successfully cultivated. Ecuador is eminently auriferous. Gold washing is carried on by several native companies. American companies have been formed to work the mines at Cachavi, Uimbi and Playa de Oro. Petroleum is so abundant on the coast near Guayaquil that it lies in pools, but is hardly worked. The country is known to be also rich in silver, copper, iron, lead and coal. Mining operations are regulated by the law of August 24, 1892.

The value of the foreign trade in five years has been :—

—	1889	1890	1891	1892	1893
Imports .	Sucrés 9,681,450	Sucrés 10,061,352	Sucrés 7,241,095	Sucrés 8,377,897	Sucrés 10,052,163
Exports .	7,910,205	9,761,634	7,351,800	12,086,185	14,052,514

The chief imports are cotton and other tissues and provisions. About 25½ per cent. of the imports are from, and 12 $\frac{7}{10}$  per cent. of the exports to Great Britain. The chief exports (1893) were: Cocoa, 1,297,314*l.*; coffee, 162,951*l.*; ivory-nuts, 106,088*l.*; India rubber, 39,177*l.*; hides, 20,810*l.*; straw hats, 26,673*l.*

The following table shows the value of the trade of Ecuador in 1891 and 1893, with the leading countries :—

Countries	Imports into Ecuador		Exports from Ecuador	
	1891	1893	1891	1893
	Sucrés	8	Sucrés	8
Chili . . . . .	246,045	373,842	411,488	573,721
Colombia . . . . .	46,637	29,012	213,884	123,894
France . . . . .	1,780,563	2,082,012	2,493,243	5,602,625
Germany . . . . .	1,042,359	1,687,869	1,091,575	2,513,897
Great Britain . . . . .	1,828,816	3,053,604	935,315	1,706,382
Peru . . . . .	512,016	629,972	189,046	322,392
Spain . . . . .	180,819	237,649	599,349	1,309,227
United States . . . . .	1,496,062	2,065,140	999,410	1,499,310

The total value of the imports from Ecuador into Great Britain, and of the exports of British produce to Ecuador, was as follows in each of the last five years, according to the Board of Trade returns :—

—	1889	1890	1891	1892	1893
Imports into Great Britain	£ 72,430	£ 72,843	£ 110,238	£ 128,032	£ 201,137
Exports of British produce to Ecuador . . .	266,176	290,743	259,871	257,632	300,114

The chief articles of import from Ecuador into Great Britain consist of cocoa, of the value of 28,621*l.* in 1889; 44,544*l.* in 1890; 69,335*l.* in 1891; 64,572*l.* in 1892; 167,964*l.* in 1893; coffee, 27,294*l.* in 1892; 16,153*l.* in 1893. Of the exports of British produce to Ecuador, cotton goods, to the value of 169,743*l.*, and iron, wrought and unwrought, 21,406*l.*, formed the principal articles in 1893.

### Shipping and Navigation.

The following is the movement of national and foreign shipping at Guayaquil in 1893, including the local coasting craft:—

#### ENTERED.

Nationality	Sailing		Steam		Total	
	No.	Tons	No.	Tons	No.	Tons
British . . . . .	4	3,471	81	100,483	85	103,954
Ecuadorian . . . . .	1,521	23,720	—	—	1,521	23,720
Foreign . . . . .	15	7,594	86	132,284	101	139,878
Total . . . . .	1,540	34,785	167	232,767	1,707	267,552

#### CLEARED.

Nationality	Sailing		Steam		Total	
	No.	Tons	No.	Tons	No.	Tons
British . . . . .	3	3,293	81	100,483	84	103,776
Ecuadorian . . . . .	1,517	22,815	—	—	1,517	22,815
Foreign . . . . .	15	6,940	86	132,284	101	139,224
Total . . . . .	1,535	33,048	167	232,767	1,702	265,815

### Internal Communications.

The roads of the country are mostly bridle-roads only, and often impassable for half the year. The one highway is from Quito towards Guayaquil, for a distance of 115 miles, but the work of thus connecting the capital and the port has long been discontinued. There is river communication throughout the principal agricultural districts on the low grounds to the west of the Cordillera by the rivers Guayas, Daule, and Vinces (navigable for 200 miles by river steamers in the rainy season), and other small affluents thereof. Navigation of these inland waters is carried on by about 17 American and Ecuadorian-built side-wheel and screw steamers, and a large fleet of canoes and other small craft.

A railway is open from Duran (opposite Guayaquil) to Chimbo, 63 miles; the prolongation, begun some years ago, has been discontinued. The company had a privilege from the State and held the salt mines, yielding about 100,000 sucres net yearly. The privilege has expired, the State has resumed possession of the salt mines, work is suspended, and the line itself has been seized by the Government. The Congress of 1894 accepted a proposal from a French syndicate to prolong the line from Chimbo to Riobamba, but the contract has not been signed as yet, the guarantee deposit of the Company not having been made.

The total length of telegraphs is about 1,242 miles, Quito being connected with Guayaquil and the coast, with the Republic of Colombia, and by cable with the rest of the world. There are about 60 telegraph stations. A telephonic system with 400 subscribers is established at Guayaquil.

The inland correspondence amounts to about 820,000 letters yearly, and in 1893 the foreign correspondence passing through the post-office consisted of 1,808,806 letters and 6,346,595 newspapers and packets.

### Money and Credit.

Ecuador having no mint, the coin of the country is minted at Birmingham, in Chile and in Peru. The total silver coinage minted in the four years ending with 1889 was about 1,835,000 sucres. The value minted in 1890 was 77,000*l.*; in 1892, 43,000*l.* The amount of silver coin in circulation is estimated at about 1,800,000 sucres or 260,000*l.* The two Guayaquil banks had in their vaults on December 31, 1892, the sum of 1,488,904 sucres or 212,700*l.*

There are three banks authorised to issue notes for circulation, viz., the Banco del Ecuador, capital 2,000,000 sucres; Banco Internacional, capital 800,000 sucres; Banco de la Union, capital 240,000 sucres. The authorised issue of notes depends on the stock of silver in the vaults of the bank, and the banks are bound by law to hold one-third of the value of their circulation in coin, silver or gold. During 1885-9 the issue was exactly 246,658 sucres in each year. The banks are in no way related to the State, except that they have to present a monthly statement of balances of silver in deposit and notes in circulation. They constantly make loans for general or specific objects to the Government, and the debt due on this account to the Bank of Ecuador on December 31, 1892, was 1,396,274 sucres, and to the Banco Internacional 650,000 sucres. The cash deposited in the two banks on June 30, 1891, was:—Banco del Ecuador, 1,521,157 sucres; Banco Internacional 424,729 sucres. The accounts of the Banco del Ecuador (August 31, 1892) balanced at 6,375,558 sucres; of the Banco Internacional (July 30, 1892) at 2,737,500 sucres; and of the Banco de la Union (September 30, 1892) at 846,533 sucres.

There are no private banks, but two savings banks have been started in Guayaquil, not related in any way to the Government.

The amount of notes in circulation for five years was as follows:—

Years	Bank of Ecuador		Banco Internacional	
	Sucres	£	Sucres	£
1889	1,685,366	= 241,000	853,264	= 121,900
1890	2,132,560	= 328,090	860,148	= 132,330
1891	1,868,395	= 267,000	868,640	= 124,080
1892	2,301,675	= 302,095	1,199,786	= 157,472
1893	2,784,134	= 329,483	1,286,037	= 152,196

## Money, Weights and Measures.

The unit of the monetary system is the *sucre* of 100 cents, value about 3s. 4d. It is composed of 9 parts silver and 1 of alloy. Other silver coins are 50, 20, 10, 5-cent pieces. There are nickel 5, 1 and  $\frac{1}{2}$ -cent. pieces, and 2 and 1 cent bronze coins. There is no gold in circulation.

By a law of December 6, 1856, the French metrical system of weights and measures was made the legal standard of the Republic; but is not adopted by commerce.

## Diplomatic and Consular Representatives.

### 1. OF ECUADOR IN GREAT BRITAIN.

*Consul-General*.—London, Pedro A. Merino, accredited July 9, 1885.

There are Consular Representatives at Birmingham, Cardiff, Hull, Liverpool, Manchester, Southampton, and Falmouth.

### 2. OF GREAT BRITAIN IN ECUADOR.

*Minister and Consul-General*.—

*Consul at Guayaquil*.—Geo. Chambers.

## Statistical and other Books of Reference concerning Ecuador.

### 1. OFFICIAL PUBLICATIONS.

Geografía y Geología del Ecuador, publicado por orden del Supremo Gobierno de la Republica, por Dr. Teodoro Wolf. Leipzig, 1893.

Foreign Office Reports, Annual Series, and Miscellaneous Series. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Bates* (H. W.), Central and South America. London, 1882.

*Campos*, Galeria de Ecuatorianos célebres. Guayaquil, 1881.

*Cevallos*, Compendio del resumen de la historia del Ecuador. Guayaquil, 1885.

*Cevallos*, Resumen de la historia del Ecuador. Guayaquil, 1886. 5 v.

Ecuador in 1881. Report of Mr. G. E. Church to the United States Government. Reprinted in *South American Journal*. London, 1883.

*Flemming* (B.), Wanderungen in Ecuador. 8. Leipzig, 1872.

*Gerstäcker* (Friedrich), Achtzehn Monate in Süd-Amerika. 3 vols. 8. Leipzig, 1863.

*González Sáurez*, Historia eclesiástica del Ecuador. Quito, 1881.

*Hassaurek* (F.), Four Years among Spanish Americans. 3rd edition. Cincinnati, 1881.

*Herrera* (P.), Apuntes para la historia de Quito. Quito, 1874.

*Oviedo y Valdés*, Historia de las Indias. Madrid, 1885. 4 v.

*Schwarda* (T.), Reise um die Erde. Vol. III. 8. Braunschweig, 1861.

*Simson* (Alfred), Travels in the Wilds of Ecuador. London, 1887.

*Ternaux-Compans* (L.), Histoire du royaume de Quito. Traduite de l'Espagnol. (Velasco : Historia del reino de Quito.) 2 vols. 8. Paris, 1840.

*Wagner* (Moritz Friedrich), Reisen in Ecuador; in 'Zeitschrift für allgemeine Erdkunde. Vol. xvi. Berlin, 1864.

*Whymper* (Edward), Travels amongst the Great Andes of the Equator. London, 1892.

## FRANCE.

### Constitution and Government.

#### I. CENTRAL.

SINCE the overthrow of Napoleon III. on September 4, 1870, France has been under a Republican form of government, confirmed on February 25, and June 16, 1875, by an organic law (*Constitution Wallon*), which has been partially modified in June 1879, August 1884, June 1885, and July 1889. It vests the legislative power in the Chamber of Deputies and the Senate, and the executive in the President of the Republic and the Ministry.

The President is elected for seven years, by a majority of votes, by the Senate and Chamber of Deputies united in a National Assembly, or Congress. He promulgates the laws voted by both Chambers, and ensures their execution. He selects a Ministry from the Chamber, appoints to all civil and military posts, has the right of individual pardon, and is responsible only in case of high treason. The President concludes treaties with foreign Powers, but cannot declare war without the previous assent of both Chambers. Every act of the President has to be countersigned by a Minister. With the consent of the Senate he can dissolve the Chamber of Deputies. In case of vacancy, the two Chambers united immediately elect a new President.

*President of the Republic*—M. Félix Faure. Elected President January 17, 1895.

The Ministry, as constituted, January 27, 1895, consists of the following members :—

*President of the Council and Minister of Finance*.—M. Ribot.

*Minister of the Interior*.—M. Leygues.

*Minister of Foreign Affairs*.—M. Hanotaux.

*Minister of Public Instruction and Worship*.—M. Poincaré.

*Minister of Justice*.—M. Trarieux.

*Minister of Colonies*.—M. Chautemps.

*Minister of Commerce*.—M. André Lebon.

*Minister of Agriculture*.—M. Gadaud.

*Minister of Public Works*.—M. Dupuys-Dutemps.

The following is a list of the Sovereigns and Governments of France, from the accession of the House of Bourbon :—

<i>House of Bourbon.</i>		<i>Second Republic.</i>	
Henri IV. . . . .	1589-1810	Provisional Government, Feb.—Dec. . . . .	1848
Louis XIII., 'le Juste' . . . . .	1610-1643	Louis Napoléon . . . . .	1848-1852
Louis XIV., 'le Grand' . . . . .	1643-1715	<i>Empire restored.</i>	
Louis XV. . . . .	1715-1774	Napoléon III. (died 1873) 1852-1870	
Louis XVI. (+ 1793) . . . . .	1774-1792	<i>Third Republic.</i>	
<i>First Republic.</i>		Government of National Defence . . . . . 1870-1871	
Convention . . . . .	1792-1795	Louis A. Thiers, President	1871-1873
Directoire . . . . .	1795-1799	Marshal MacMahon ,,	1873-1879
Consulate . . . . .	1799-1804	F. J. P. Jules Grévy ,,	1879-1887
<i>Empire.</i>		F. Sadi Carnot ,,	1887-1894
Napoléon I. (+ 1821) . . . . .	1804-1814	Casimir Perier (June—Jan.) ,,	1894-1895
<i>House of Bourbon restored.</i>		Félix Faure ,,	1895
Louis XVIII. . . . .	1814-1824		
Charles X. (+ 1836) . . . . .	1824-1830		
<i>House of Bourbon-Orléans.</i>			
Louis Philippe (+ 1850) . . . . .	1830-1848		

The Chamber of Deputies is elected for four years, by universal suffrage, and each citizen 21 years old, who can prove a six months' residence in any one town or commune, and not otherwise disqualified, has the right of vote. Deputies must be citizens and not under 25 years of age. The manner of election of Deputies has been modified several times since 1871. The *scrutin de liste*, under which each elector votes for as many Deputies as the entire department has to elect, was introduced in 1871. In 1876 it was replaced by the *scrutin d'arrondissement*, under which each department is divided into a number of *arrondissements*, each elector voting for one Deputy only; in 1885 there was a return to the *scrutin de liste*, and in 1889 the uni-nominal vote was reintroduced. In 1889 it was enacted that each candidate is bound to make, within the fortnight which precedes the elections, a declaration as to his being a candidate for a given constituency, and for one constituency only—all votes which eventually may be given for him in other constituencies being reckoned as void. Multiple elections and elections of persons previously condemned by the law courts are thus rendered impossible. The Chamber verifies the powers of its members. In each constituency the votes are cast up and the Deputy proclaimed elected by a commission of Councillors-General appointed by the prefect of the department.

The Chamber is now composed of 584 Deputies; each 'arrondissement' elects one Deputy, and if its population is in excess of



100,000, it is divided into two constituencies. There were 10,387,330 inscribed electors in 1889, and 7,953,382 voted.

The Senate is composed of 300 members, elected for nine years from citizens 40 years old, one-third retiring every three years. The election of the Senators is indirect, and is made by an electoral body composed (1) of delegates chosen by the Municipal Council of each commune in proportion to the population; and (2) of the Deputies, Councillors-General, and District Councillors of the department. Besides the 225 Departmental Senators elected in this way, there were, according to the law of 1875, 75 Senators elected for life by the united two Chambers; but by the Senate Bill of 1884 it was enacted that vacancies arising among the Life Senatorships would be filled by the election of ordinary nine-years Senators. The Princes of deposed dynasties are precluded from sitting in either House.

The Senate and Chamber of Deputies assemble every year on the second Tuesday in January, unless a previous summons is made by the President of the Republic, and they must remain in session at least five months out of the twelve. The President is bound to convoke them if the demand is made by one-half of the number of members composing each Chamber. The President can adjourn the Chambers, but the adjournment cannot exceed the term of a month, nor occur more than twice in the same session.

Bills may be presented either in the Chamber or Senate by the Government, or on the initiative of private members. In the first case they are remitted to the bureaux for examination; in the second, they are first submitted to a commission of parliamentary initiative. Financial laws must be first presented to and voted by the Chamber of Deputies.

The Chamber can be dissolved by the President upon advice of the Senate. The President and the Ministers may be impeached by the Chamber of high treason, in which case the Senate acts as a High Court of Justice. The same function is vested in the Senate for all other cases of high treason.

Senators and Deputies are paid 9,000 francs (£360) a year, and the Presidents of the two Chambers receive, in addition, 72,000 francs (£2,840) for the expense of entertainment. Members of both Chambers travel free on all State railways. The dotation of the President of the Republic is 600,000 francs, with a further allowance of 600,000 francs for his expenses.

France has, besides, a special institution under the name of *Conseil d'État*, which was introduced by Napoleon I., and has been maintained since. It is presided over by the Minister of Justice, and is composed of Councillors, Masters of Requests

(*Maitres de Requêtes*), and Auditors, all appointed by the President of the Republic. Its duty is to give opinion upon such questions, chiefly those connected with administration, as may be submitted to it by the Government. It is judge in the last resort in administrative suits, and it prepares the rules for the public administration.

## II. LOCAL GOVERNMENT.

For administrative purposes France is divided into 86 departments, or 87 if the 'territory of Belfort' (a remnant of the department of Haut-Rhin) be considered as a separate department. Since 1889 the three departments of Algeria are also treated, for most purposes, as part of France proper. The department has representatives of all the Ministries, and is placed under a Prefect, nominated by Government, and having wide and undefined functions. He is assisted by a Prefectorial Council, whose advice he may take without being bound to follow it. The Prefect is a representative of the Executive, and, as such, supervises the execution of the laws, issues police regulations, nominates subordinate officials, and has under his control all officials of the State. There is a Sub-prefect in every *arrondissement*, except capitals of departments.

The unit of local government is the *commune*, the size and population of which vary very much. There are 36,140 communes, and new ones cannot be created otherwise than by law. Most of them (31,488) have less than 1,500 inhabitants, and 17,181 have even less than 500; while 99 communes only have more than 20,000 inhabitants. The local affairs of the commune are under a Municipal Council, composed of from 10 to 36 members, elected by universal suffrage, and by the *scrutin de liste*; but each act of the Council must receive the approval of the Prefect, while many must be submitted to the Council General, or even to the President of the Republic, before becoming lawful. Even the Commune's quota of direct taxation is settled by persons (*répartiteurs*) chosen by the Prefect from among the lists of candidates drawn up by the Municipal Council.

Each Municipal Council elects a Mayor, who is both the representative of the commune and the agent of the central government. He is the head of the local police under the orders of the Prefect.

In Paris the Municipal Council is composed of 80 members; each of the 20 *arrondissements* into which the city is subdivided has its own Mayor. The place of the Mayor of Paris is taken by the Prefect of Police. Lyons has an elected Mayor, but the control of the police is vested in the Prefect of the department of the Rhone.

The next unit is the *canton* (2,871 in France), which is composed of an average of 12 communes, although the larger communes are, on the contrary, divided into several cantons. It is a seat of a justice of the peace.

The district, or *arrondissement* (362 in France), has an elected *conseil d'arrondissement*, whose chief function is to allot among the communes their respective parts in the direct taxes assigned to each *arrondissement* by the Council General. That body stands under the control of the Sub-prefect. A varying number of *arrondissements* form a department, which has its *conseil général* renewed by universal suffrage to the extent of one-half every three years. These *conseils* deliberate upon all economical affairs of the department, the repartition of the direct taxes among the *arrondissements*, the roads, normal schools, and undertakings for the relief of the poor.

Their decisions are controlled by the Prefect, and may be annulled by the President of the Republic.

**Area and Population.**

**I. PROGRESS AND PRESENT CONDITION.**

The area of France has changed but little since the treaties of 1815. In 1860, after the Italian War, it was increased by the annexation of Savoie and Nice from Italy; and by the treaty of May 10, 1871, France lost the entire department of the Bas-Rhin, two *arrondissements*, with a fraction of a third, of the Haut-Rhin, and the greater portion of the department of Moselle, making altogether an area of 5,590 square miles and 1,600,000 inhabitants, part of whom emigrated into France during the next few years.

The following table gives the area, in English square miles, and the legal population (including those present and absent) of the 87 departments of France according to the census returns of May 31, 1886, and April 12, 1891:—

Departments	Area : Engl. sq. miles	Population		Population per square mile, 1891
		May 31, 1886	April 12, 1891	
Ain . . . . .	2,239	364,408	356,907	159·4
Aisne . . . . .	2,839	555,925	545,493	192·1
Allier . . . . .	2,822	424,582	424,382	150·4
Alpes (Basses-) . . . . .	2,685	129,494	124,285	46·3
Alpes (Hautes-) . . . . .	2,158	122,924	115,522	53·5
Alpes-Maritimes . . . . .	1,482	238,057	258,571	174·3
Ardèche . . . . .	2,136	375,472	371,269	173·8
Ardennes . . . . .	2,020	332,759	324,923	160·8
Ariège . . . . .	1,890	237,619	227,491	120·3
Aube . . . . .	2,317	257,374	255,548	110·3
Aude . . . . .	2,438	332,080	317,372	130·2
Aveyron . . . . .	3,376	415,826	400,467	118·6
Belfort (territ. de) . . . . .	235	79,758	83,670	356·0
Bouches-du-Rhône . . . . .	1,971	604,857	630,622	319·9
Calvados . . . . .	2,132	437,267	428,945	201·2
Cantal . . . . .	2,217	241,742	239,601	108·1
Charente . . . . .	2,294	366,408	360,259	157·0
Charente-Inférieure . . . . .	2,635	462,803	456,202	173·2
Cher . . . . .	2,780	355,349	359,276	129·3
Corrèze . . . . .	2,265	326,494	328,119	144·8
Corse . . . . .	3,377	278,501	288,596	85·4
Côte-d'Or . . . . .	3,383	381,574	376,866	111·4
Côtes-du-Nord . . . . .	2,659	628,256	618,652	232·6
Creuse . . . . .	2,150	284,942	284,660	132·4
Dordogne . . . . .	3,546	492,205	478,471	134·9
Doubs . . . . .	2,018	310,963	303,081	150·2

Departments	Area : Engl. sq. miles	Population		Population per square mile, 1891
		May 31, 1886	April 12, 1891	
Drôme . . . . .	2,518	314,615	306,419	121·7
Eure . . . . .	2,300	358,829	349,471	152·0
Eure-et-Loir . . . . .	2,268	283,719	284,683	125·5
Finistère . . . . .	2,595	707,820	727,012	280·1
Gard . . . . .	2,253	417,099	419,388	186·1
Garonne (Haute-) . . . . .	2,429	481,169	472,383	194·4
Gers . . . . .	2,425	274,391	261,084	107·7
Gironde . . . . .	3,761	775,845	793,528	211·0
Hérault . . . . .	2,393	439,044	461,651	192·9
Ille-et-Vilaine . . . . .	2,597	621,384	626,875	241·3
Indre . . . . .	2,624	296,147	292,868	111·6
Indre-et-Loire . . . . .	2,361	340,921	337,298	142·8
Isère . . . . .	3,201	581,680	572,145	178·7
Jura . . . . .	1,928	281,292	273,028	141·6
Landes . . . . .	3,599	302,266	297,842	82·7
Loir-et-Cher . . . . .	2,452	279,214	280,358	114·2
Loire . . . . .	1,838	603,384	616,227	335·2
Loire (Haute-) . . . . .	1,916	320,063	316,735	165·3
Loire-Inférieure . . . . .	2,654	643,884	645,263	243·1
Loiret . . . . .	2,614	374,875	377,718	144·5
Lot . . . . .	2,012	271,514	253,885	126·1
Lot-et-Garonne . . . . .	2,067	307,437	295,360	142·8
Lozère . . . . .	1,996	141,264	135,527	67·8
Maine-et-Loire . . . . .	2,749	527,680	518,589	188·6
Manche . . . . .	2,289	520,865	513,815	224·5
Marne . . . . .	3,159	429,494	434,692	137·6
Marne (Haute-) . . . . .	2,402	247,781	243,533	101·3
Mayenne . . . . .	1,996	340,063	332,387	166·5
Meurthe-et-Moselle . . . . .	2,025	431,693	444,150	219·2
Meuse . . . . .	2,405	291,971	292,253	121·5
Morbihan . . . . .	2,625	535,256	544,470	207·3
Nièvre . . . . .	2,632	347,645	343,581	130·5
Nord . . . . .	2,193	1,670,184	1,736,341	791·7
Oise . . . . .	2,261	403,146	401,835	177·6
Orne . . . . .	2,354	367,248	354,387	150·5
Pas-de-Calais . . . . .	2,551	853,526	874,364	342·7
Puy-de-Dôme . . . . .	3,070	570,964	564,266	183·8
Pyénées (Basses-) . . . . .	2,943	432,999	425,027	144·4
Pyénées (Hautes-) . . . . .	1,749	234,825	225,861	129·1
Pyénées-Orientales . . . . .	1,592	211,187	210,125	131·9
Rhône . . . . .	1,077	772,912	806,737	749·0
Saône (Haute-) . . . . .	2,062	290,954	280,856	136·2
Saône-et-Loire . . . . .	3,302	625,885	619,523	187·6
Sarthe . . . . .	2,396	436,111	429,737	179·3
Savoie . . . . .	2,224	267,428	263,297	118·4
Savoie (Haute-) . . . . .	1,667	275,018	268,276	160·9
Seine . . . . .	183·6	2,961,089	3,141,595	17,111·1
Seine-Inférieure . . . . .	2,330	833,386	839,876	360·4
Seine-et-Marne . . . . .	2,215	355,136	356,709	161·0

Departments	Area : English sq. miles	Population		Population per sq. mile, 1891
		May 31, 1886	April 12, 1891	
Seine-et-Oise . . . . .	2,164	618,089	628,590	290·5
Sèvres (Deux) . . . . .	2,317	353,766	354,282	152·9
Somme . . . . .	2,379	548,982	546,495	229·8
Tarn . . . . .	2,217	358,757	346,739	156·4
Tarn-et-Garonne . . . . .	1,436	214,046	206,596	143·8
Var . . . . .	2,349	283,689	288,336	122·7
Vaucluse . . . . .	1,370	241,787	235,411	171·8
Vendée . . . . .	2,588	434,808	442,355	171·0
Vienne . . . . .	2,691	342,785	344,355	127·9
Vienne (Haute-) . . . . .	2,130	363,182	372,878	175·0
Vosges . . . . .	2,266	413,707	410,196	181·0
Yonne . . . . .	2,868	355,364	344,688	120·2
Total . . . . .	204,092	38,218,903	38,343,192	187·8

The population actually present at the date of the Census in 1886 was 37,886,566, and in 1891, 38,133,385. Of the total population present in 1891, 18,932,354 (49·65 per cent.) were males, and 19,201,031 (50·35 per cent.) females.

It will be seen that between 1886 and 1891 there has been a decrease of population in 55 departments, and an increase in 32. In 1891 there were 362 arrondissements, 2,881 cantons, and 36,144 communes.

Notwithstanding a moderate death-rate, the population of France increases more slowly than that of most States of Western Europe, owing to the low rate of births. Between the years 1811 and 1820 the average annual surplus of births over deaths was 5·7 per thousand of population; between 1851 and 1860 it was 2·9; and between 1881 and 1885 it was 1·6. The average number of births per marriage was (1881-85) about 3; in 1891 it was 2·1.

The changes of area and population since 1801 (date of the first census taken) are seen from the following table. The third, fourth, and fifth columns give [in brackets] for the first five censuses the population, its density, and its average annual increase *on the present territory of France*, and are thus comparable with the data for the censuses posterior to the loss of Alsace and Lorraine.

Dates	Area : sq. miles	Population	Inhabitants per sq. mile	Annual Increase per 10,000 inhabits.
1801	204,765	27,349,003 [26,930,756]	134 [132]	— —
1821	—	30,461,875 [29,871,176]	149 [146]	57 [55]
1841	—	34,230,178 [33,400,864]	167 [164]	62 [58]
1861	209,625	37,446,313 [35,844,902]	178 [176]	37 [36]
1866	—	38,192,064 [36,495,489]	182 [179]	40 [36]
1872	204,092	36,102,921	177	—96 <sup>1</sup> [—17] <sup>1</sup>
1876	—	36,905,788	181	54
1881	—	37,072,048	184	41
1886	—	38,218,903	187	29
1891	—	38,343,192	187·8	6·5

<sup>1</sup> Decrease.

The foreigners residing in France constitute 2·97 per cent. of the aggregate population. The numbers in 1891 were:—

Belgians . . . . .	465,860	Russians . . . . .	14,357
Italians . . . . .	286,042	Austro-Hungarian . . . . .	11,909
Germans . . . . .	83,333	Miscellaneous . . . . .	36,922
Swiss . . . . .	83,117		
Spaniards . . . . .	77,736	Total (1891) . . . . .	1,130,211
English . . . . .	39,687	„ (1886) . . . . .	1,126,531
Luxembourgeois . . . . .	31,248	„ (1851) . . . . .	379,289

Of the total in 1891, 420,842 were born in France. The number of French citizens abroad in 1891 was 517,000.

According to the results of the census of 1891, the actual population according to occupations was as follows:—

Occupations	Employers, &c.	Employees, Clerks, Overseers, &c.	Workmen	Dependents in Household	Domestic Servants	Total
Agriculture . . . . .	3,570,016	75,400	2,890,188	10,216,749	683,540	17,435,888
Industry . . . . .	3,021,659	207,222	3,319,217	4,814,985	169,477	9,532,560
Transport . . . . .	62,501	138,707	245,979	730,040	22,106	1,199,333
Commerce . . . . .	879,969	378,318	480,344	1,983,441	239,424	3,961,496
Public Force . . . . .	558,186	781	2,908	141,611	12,188	715,624
Administration . . . . .	202,205	7,620	30,348	426,816	32,526	699,611
Professional . . . . .	420,133	78,024	29,819	449,500	137,397	1,114,873
Private Fortune . . . . .	956,729	13,021	106,061	781,115	312,824	2,169,750
Total . . . . .	7,671,398	899,099	7,104,850	19,544,257	1,692,432	36,829,135
Unclassed . . . . .	...	...	...	...	...	1,304,250
				Total population . . . . .		38,133,385

## II. MOVEMENT OF THE POPULATION.

### *Births, Deaths, and Marriages.*

Year	Marriages	Total Births	Illegitimate Children	Deaths	Surplus of Births over Deaths	Still-born
1870	223,705	943,515	70,415	1,046,909	-103,394	—
1889	272,934	880,579	73,571	794,933	85,520	42,449
1890	269,332	838,059	71,086	876,505	38,446	40,535
1891	285,458	866,377	73,936	876,882	-10,505	42,472
1892	290,319	855,847	73,785	875,888	-20,041	41,925
1893	287,294	874,672	76,562	867,526	7,146	42,394

The movement of the population is very unequal over France, and from year to year the deaths are in excess of the births in from 32 to 60 departments out of 87.

In 1893 the birth-rate for all France was 22·9 per 1,000 inhabitants, the rate varying from 14·9 in Gers to 33·5 in Finistère. The death-rate for all

France was 22·8 per 1,000 inhabitants, and the excess of births over deaths was 0·1 per 1,000 inhabitants. On the average there were 1,008 births for every 1,000 deaths, the extremes being 1,440 in Pas-de-Calais, and 730 in Gers.

Illegitimate births formed 8·8 per cent. of all births, as against 7·5 per cent. in 1881; they reached as much as 24·3 per cent. in the department of the Seine (Paris), while in Basses-Alpes the proportion was only 2 per cent. The average with foreigners in France was 12·3 per 100 births.

The number of divorces is rapidly increasing; it was 4,708 in 1888, 4,786 in 1889, 5,457 in 1890, 5,752 in 1891, 5,772 in 1892, and 6,184 in 1893 (81 per 10,000 households), the aggregate number of 45,179 divorces having been registered since the new law was voted in 1884.

### Emigration.

In the five years 1885-89, 335,368 emigrants, of whom 79,240 were French, left the ports of France. In 1890 to 1892 the numbers of French emigrants, with their destinations were as follows:—

—	United States.	Chile and Peru.	Argentine and Uruguay.	Other Countries.	Total.
1890	3,085	2,895	14,001	579	20,560
1891	2,950	666	2,073	528	6,217
1892	2,798	155	2,106	469	5,528

The total number of emigrants from French ports in 1890 was 72,512; 1891, 57,815; 1892, 39,146.

### III. PRINCIPAL TOWNS.

The following, according to the census of 1891, are the towns with a communal population over 30,000:—

Paris . . . . .	2,447,957	Rennes . . . . .	69,232	Avignon . . . . .	43,453
Lyon . . . . .	416,029	Tourcoing . . . . .	65,477	Lorient . . . . .	42,116
Marseille . . . . .	403,749	Dijon . . . . .	65,428	Levallois-Perret . . . . .	39,857
Bordeaux . . . . .	252,415	Orléans . . . . .	63,705	Dunquerque . . . . .	39,498
Lille . . . . .	201,211	Grenoble . . . . .	60,439	Cherbourg . . . . .	38,554
Toulouse . . . . .	149,791	Tours . . . . .	60,335	Poitiers . . . . .	37,497
St. Etienne . . . . .	133,443	Montpellier . . . . .	60,258	Cette . . . . .	36,541
Nantes . . . . .	122,750	Le Mans . . . . .	57,412	Perpignan . . . . .	33,878
Le Havre . . . . .	116,369	Calais . . . . .	56,867	Rochefort . . . . .	33,334
Roubaix . . . . .	114,917	Besançon . . . . .	56,065	Pau . . . . .	33,111
Rouen . . . . .	112,352	Versailles . . . . .	51,679	Boulogne-sur-	
Reims . . . . .	104,186	St. Denis . . . . .	50,992	Seine . . . . .	32,569
Nice . . . . .	88,273	Troyes . . . . .	50,330	Périgueux . . . . .	31,439
Nancy . . . . .	87,110	Clermont-Ferrand . . . . .		Roanne . . . . .	31,380
Amiens . . . . .	83,654		50,119	St. Nazaire . . . . .	30,935
Toulon . . . . .	77,747	St. Quentin . . . . .	47,551	Clichy . . . . .	30,698
Brest . . . . .	75,854	Béziers . . . . .	45,475	Angoulême . . . . .	30,690
Limoges . . . . .	72,697	Bourges . . . . .	45,342	Laval . . . . .	30,374
Angers . . . . .	72,669	Boulogne . . . . .	45,205		
Nîmes . . . . .	71,623	Caen . . . . .	45,201		

The aggregate population of these 56 towns is 6,862,822; in 1886 it was 6,522,426. For fiscal and electoral purposes the population of each com-

mune is divided into *agglomerated*, *scattered*, and *separated* (*comptée à part*) ; the first two constitute the municipal population, and the third consists of garrison, college, prison, and hospital population. In 1891 the total agglomerated population was 23,191,218 (60·5 per cent.) ; scattered, 14,061,625 (36·6 per cent.) ; separate, 1,091,349 (2·9 per cent.) ; total, 38,343,192. Different from this is the distinction between urban and rural population, a commune being urban where the agglomerated population is over 2,000, and rural where under 2,000. In 1891 the total urban population was 14,311,292 (37·4 per cent.) ; the rural, 24,031,900 (62·6 per cent.). In 1886 the population was 35·9 per cent. urban, and 64·1 per cent. rural ; in 1846, 24·42 per cent. urban, and 75·58 per cent. rural. Of the 36,144 communes in France, only 232 have a population over 10,000.

### Religion.

The population of France, at the census of December 1881, consisted of 29,201,703 Roman Catholics, being 78·50 per cent. of the total population ; 692,800 Protestants, or 1·8 per cent. of the population, as compared with 584,757 in 1872 ; of 53,436 Jews, and 7,684,906 persons ‘ who declined to make any declaration of religious belief.’ This was the first census at which ‘ non-professants ’ were registered as such. On former occasions it had been customary to class all who had refused to state what their religion was, or who had denied having any religion, as Roman Catholic. The number of persons set down as belonging to ‘ various creeds ’ was 33,042.

All religions are equal by law, and any sect which numbers 100,000 adherents is entitled to a grant ; but at present only the Roman Catholics, Protestants, and Jews have State allowances. In the Budget for 1895 these grants were as follows :—

Administration, &c.	Francs
Roman Catholic worship, and places of worship	260,000
Protestant worship	42,206,523
Jewish worship	1,547,900
	161,530
Total	44,175,953

There are 17 archbishops and 67 bishops ; and of the Roman Catholic Church on January 1, 1890, the secular clergy numbered in all 50,420, besides 4,376 teachers and 9,526 pupils in the ecclesiastical seminaries. The value of the total gifts and legacies made to the Church during the present century up to 1882 is 23,976,733 francs. The Protestants of the Augsburg Confession, or Lutherans, are, in their religious affairs, governed by a General Consistory ; while the members of the Reformed Church, or Calvinists, are under a Council of Administration, the seat of which is at Paris. In 1890 there were 700 Protestant pastors, and 57 Jewish rabbis and assistants. In the Protestant Theological Faculté there were 915 students in 1891.



### Instruction.

Public education in France is entirely under the supervision of the Government. The highest schools, or universities, go by the name of 'facultés de l'état.' There are 15 'facultés des lettres,' at Paris, Aix, Besançon, Bordeaux, Caen, Clermont, Dijon, Lille, Grenoble, Lyon, Montpellier, Nancy, Poitiers, Rennes, and Toulouse. At all of these, except Aix, are also 'facultés des sciences,' besides one at Marseilles and one at Chambéry, where letters and sciences are combined. There are also 2 'facultés' of Protestant theology, 15 'facultés de droit,' and 6 'facultés de médecine.' In 1892 there were 7,926 students of law; 7,069 students of medicine; 2,560 students of pharmacy. To the support of the facultés the sum of 12,732,315 francs was set down in the budget of 1895. The Roman Catholic theological 'facultés' were suppressed in 1885, but the Catholic universities exist still on certain conditions. (See under RELIGION.)

In 1890, 7·7 per cent., and in 1891, 7·4 per cent. of the young men examined on the conscription list could neither read nor write.

Elementary schools existed before the Revolution in the towns and in many of the rural parishes of France, but little was done for the advancement of education till near the middle of this century. In 1833 a law was passed requiring every commune to maintain at least one primary school, every town one higher primary school, and every department one primary normal school. A law of 1850 obliged every commune with a population of 800 (extended in 1867 to communes with a population of 500) to have a school for girls. Since 1878 elementary education has advanced rapidly; many schools have been built, the number of teachers and pupils has increased, and the standard of education has been raised. In 1881 primary instruction was made free, and in 1882, obligatory for children from 6 to 13 years of age. In 1886 the system of education was reorganised, and it was ordained that all public schools should be under the charge of laymen. In 1892 there were only 50 communes which had no primary school, public or private. In 1891 the total number of children of school age (6—13) was found to be 4,664,000. In 1891—92, 4,522,000 children of school age were enrolled in primary and infant schools in France, besides 74,800 in Algeria. About 64,000 were taught in secondary schools, and nearly 5,000 at home, while 1,141,000 children under school age were in infant or primary schools, and 525,000 over school age were in primary schools. The number of untaught children in France and Algeria seems to be about 75,000. The following table shows the number of the various classes of

schools and the number of pupils in France (including Algeria) for the school year 1891-92 :—

—	Public Schools	Private Schools	Total	Pupils
Elementary :—				
Infant schools . . . . .	2,603	2,808	5,411	706,579
Primary schools . . . . .	69,865	18,079	87,944	5,556,470
Total elementary . . . . .	72,468	20,887	93,355	6,263,049
Secondary public :—				
Lycées (1892) . . . . .	105	—	—	52,068
Communal coll. (1894) . . . . .	238	—	—	32,421
For girls (1894) . . . . .	50	—	—	10,011
Total secondary . . . . .	393	—	—	94,500

The total number of primary pupils (1891-92) includes 45,600 receiving higher primary instruction. In 1892-93 the total number of primary pupils was 5,554,115, the decrease being due chiefly to the decline in the birth-rate.

There was (1891-92) one elementary school for every 411 inhabitants, and 1 pupil in every six of the population. The number of primary public schools directed by clericals was in 1892 reduced to 55 for boys, 6,084 for girls, and 564 mixed. In private education the number of lay schools was 740 for boys, 2,157 for girls, 549 mixed ; and of clerical schools 2,551 for boys, 9,008 for girls, 271 mixed ; total number of pupils (1892-93), 1,152,642. The total number of teachers in lay primary schools (public and private) was 98,614 ; in clerical schools, 48,060 in 1891-92. There were in 1892 87 normal schools for males, and 85 for females. There are, besides, numerous technical, industrial, and other special schools.

The public funds, communal, departmental, and State, devoted to primary instruction in France amounted in 1855 to over twenty-five and a half million francs for obligatory, expenses, in 1887 to nearly ninety-four million, including voluntary expenses, and in 1892 (including Algeria), to a hundred and eighty-six and a third million francs for all expenses obligatory and voluntary.

### Justice and Crime.

The Courts of First Instance in France are those of the Justices of Peace and the Police Court, where all petty offences are disposed of. The Police Correctional Courts pronounce upon all graver cases of misdemeanour (*délits*), including cases involving several years' imprisonment. They have no jury, and consist of 3 judges. In all general cases, the preliminary inquiry is made in secrecy by an examining magistrate (*juge d'instruction*), who may dismiss the case or send it for trial. The Court of Assizes is assisted by 12 jurors, who decide by simple majority. The highest courts are the 26 Courts of Appeal, composed each of one President and 4 Councillors for all criminal cases which have been tried without a jury, and by one Court of Cassation which

sits at Paris, and is composed of a First President, 3 Presidents of Sections, and 45 Councillors, for all criminal cases tried by jury.

All Judges are nominated by the President of the Republic. They can be removed only by a decision of the Court of Cassation constituted as the *Conseil Supérieur* of the magistracy.

The agencies for the prosecution of misdemeanours and crimes in 1888 appeared as follows:—Gendarmes, 20,919; commissaires de police, 1,087; agents de police, 14,111; gardes champêtres, 31,522; private sworn 'gardes,' 38,751; forest gardes, 7,649; fishing police, 5,085; customs officials, 21,648; total, 140,772

The following table shows the number of persons convicted before the various courts in the years given:—

Year	Assize Courts	Correctional Tribunals	Police Courts
1884	3,082	195,725	470,904
1885	3,028	211,797	450,773
1886	3,128	210,805	451,369
1887	3,179	216,461	443,763
1888	3,034	215,993	429,988

The French penal institutions consist, first, of Houses of Arrest (3,094 *chambres de sûreté* and 35 *dépôts de sûreté*). Next come 380 Departmental Prisons, also styled *maisons d'arrêt, de justice* and *de correction*, where both persons awaiting trial and those condemned to less than one year's imprisonment are kept, as also a number of boys and girls transferred from, or going to be transferred to, reformatories. The reformatories are 11 for boys and 3 for girls, belonging to the State, and 21 for boys and 9 for girls rented to private persons and institutions. The Central Prisons (*maisons de force et de correction*), where all prisoners condemned to more than one year's imprisonment are kept, provided with large industrial establishments for the work of prisoners, are 16 for men and 5 for women. To the same category belong the agricultural penitentiaries recently introduced in Corsica.

All persons condemned to hard labour and many condemned to 'reclusion' are sent to New Caledonia or Guiana (military and *récidivistes*); the *dépôt de forçats* of St. Martin-de-Ré is a depot for transferred hard-labour convicts. The prison population in France on January 1, 1888 (last figures published), was 44,248, of whom 6,461 were females; 24,967 were in Departmental Prisons; 13,182 in Central Prisons; 6,099 (1887) in reformatories. There are about 13,000 in New Caledonia and Guiana.

### Pauperism.

There is no Government system of poor relief in France. The poor are assisted partly through public 'bureaux de bienfaisance' and partly by private and ecclesiastical charity. They are partly under the care of the communes and partly of the departments, both of which contribute, and ultimately under the supervision of Government. The funds of the 'bureaux de bienfaisance' are partly derived from endowments, partly from communal contributions, and partly from public and private charity. In 1888 there were 15,138 of such bureaux, with a total revenue of 38,359,101 francs, the expenditure amounting to 35,893,331 francs. The number of poor relieved was 1,647,720. Public assistance is also rendered to poor or destitute children. At the end of 1888 there were 2,068 sick children in hospital, 59,535 domiciled in the country, and 44,598 who were being assisted at their

homes. The total expenditure amounted to 17,159,681 francs. There are also public establishments for the sick and for aged persons and imbeciles.

## Finance.

### I. STATE FINANCE.

The ordinary revenue of France is derived chiefly from direct and indirect taxation and from State factories and monopolies. About 16 per cent. of the revenue is from direct taxes, of which the more important are the land tax (*contribution foncière*) levied on lands and on buildings; the inhabited house tax (*contribution d'habitation*, introduced in the budget for 1895) levied on householders according to house-rent, a further tax being imposed on those employing domestic servants, irrespective of the number or sex of the servants; trade licences, and a variety of taxes, including taxes on property in mortmain, royalties from mines, taxes on carriages and horses, verification of weights and measures, the military tax, and the tax on velocipedes. About 63 per cent. of the revenue is from indirect taxes, of which the most important are those on registration (of changes in the ownership of property, obligations, &c.), stamps, customs; the State monopolies and domains yield about 21 per cent. of the revenue. To the above must be added the extraordinary receipts—chiefly loans—the revenue inscribed 'pour ordre,' being transferences from one branch of the Administration to another. For departmental and communal purposes 'additional centimes' are levied in association with both branches of the land tax and of the dwelling-house tax, also on trade licences, and in other ways. The total amount of the 'additional centimes' for 1895 was 361,962,794 francs.

The following table shows the budget estimates of the revenue for 1895 and the estimates adopted for 1894:—

—	1895	1894
	Francs	Francs
Direct taxes :—		
Land tax { Land . . . . .	118,160,025	118,519,829
{ Buildings . . . . .	98,895,439	78,203,231
Dwelling houses { Rent . . . . .	122,297,788	88,173,135
{ Servants . . . . .	19,183,883	57,205,001
Doors and windows . . . . .	—	—
Trade licences . . . . .	124,119,192	122,645,558
Tax 'd'avertissement' . . . . .	1,050,850	1,052,650
Carriages, horses, &c. . . . .	36,992,290	35,257,520
Total, direct taxes . . . . .	520,699,467	501,056,924
Indirect taxes :—		
Registration . . . . .	530,149,300	548,499,600
Stamps . . . . .	168,828,500	161,785,000
Customs . . . . .	473,655,195	465,726,130
Other taxes . . . . .	600,297,300	601,865,350
Tax of 4 per cent. on movables . . . . .	66,250,500	69,249,000
Sugar . . . . .	199,000,000	203,393,600
Total, indirect taxes . . . . .	2,038,180,795	2,050,518,680

	1895	1894
Monopolies, &c. :—	Francs	Francs
Tobacco . . . . .	374,577,700	375,851,300
Matches, gunpowder . . . . .	39,118,600	35,205,700
Posts, telegraphs, telephones . . . . .	209,588,300	207,621,780
Various . . . . .	10,551,060	10,356,100
Domains and forests . . . . .	44,787,236	47,451,020
Total monopolies, domains, &c. . . . .	678,622,820	676,496,900
Total, ordinary revenue . . . . .	3,237,503,152	3,228,072,504
Various Revenues . . . . .	58,530,738	58,550,892
Exceptional . . . . .	4,000,000	29,669,402
Receipts <i>d'ordre</i> . . . . .	75,690,760	74,447,084
Total . . . . .	138,221,498	162,667,378
Total budget, France . . . . .	3,375,724,650	3,390,739,882
Total, Algeria . . . . .	48,682,981	48,291,150
Grand total . . . . .	3,424,407,631	3,439,031,032

The following table shows the budget estimates of the expenditure for 1895, and the estimates adopted for 1894.

	1895	1894
	Francs	Francs
Public debt . . . . .	1,235,347,273	1,284,568,168
President, Chamber, and Senate . . . . .	13,171,720	13,171,720
Ministries :		
Finance . . . . .	19,697,948	19,470,860
Justice . . . . .	35,133,100	35,011,100
Foreign Affairs . . . . .	16,403,800	16,403,800
Interior . . . . .	76,585,144	73,526,130
War, ordinary . . . . .	607,261,898	583,563,803
„ extraordinary . . . . .	40,823,907	50,089,288
Marine . . . . .	277,516,311	266,861,528
Instruction . . . . .	192,986,340	190,451,055
Fine Arts . . . . .	8,157,065	8,119,145
Worship . . . . .	44,175,953	44,224,040
Commerce, Industry, Posts, Telegraphs . . . . .	190,607,754	190,450,933
Colonies . . . . .	81,889,143	73,848,355
Agriculture . . . . .	43,403,560	42,223,160
Public Works . . . . .	233,930,864	256,627,464
Régie, collection of taxes, &c. . . . .	190,834,140	185,515,545
Repayments, &c. . . . .	34,116,000	34,776,000
Total, France . . . . .	3,350,041,920	3,368,902,094
Total, Algeria . . . . .	73,851,842	70,118,529
Grand total . . . . .	3,423,893,762	3,439,020,623

The following figures, published by the Direction Générale de la Comptabilité Publique in February 1893, do not include the 'budget sur ressources spéciales,' and represent the actual verified revenue (inclusive of loans) and expenditure for 12 years :—

Years	Revenue			Total Expenditure
	Ordinary	Extraordinary	Total	
	Francs	Francs	Francs	Francs
1880	2,956,923,947	573,899,336	3,530,823,283	3,364,577,722
1881	2,988,374,978	797,069,391	3,785,444,369	3,616,401,846
1882	2,980,477,689	663,624,875	3,644,102,564	3,686,650,040
1883	3,037,973,018	614,965,704	3,652,938,722	3,715,366,615
1884	3,032,014,444	416,781,288	3,448,795,732	3,538,714,027
1885	3,056,635,831	263,626,782	3,320,262,613	3,466,923,058
1886	2,940,291,981	229,133,507	3,169,425,488	3,293,561,815
1887	2,968,477,833	275,405,732	3,243,883,565	3,260,964,639
1888	3,107,534,722	160,256,078	3,267,790,800	3,220,594,184
1889	3,108,072,541	163,253,131	3,271,325,672	3,247,131,879
1890	3,229,372,253	146,389,175	3,375,761,428	3,287,908,973
1891	3,364,014,678	—	3,364,014,678	3,258,171,024
Total .	36,770,163,915	4,304,404,999	41,074,568,914	40,956,965,822
Borrowed from preceding budgets . . . . .			349,273,402	—
Net totals . . . . .			40,725,295,512	40,956,965,822

Since 1869 the budget has nearly doubled. To the budget of 1895 is annexed a statement, showing the deficits of the ordinary budgets from the period anterior to 1814 down to the end of 1892, as follows :—

Period	Government	Deficit
		Francs
Before 1815	Napoleon I. and previously . . . . .	99,678,480
1815 to 1829	Louis XVIII. and Charles X. . . . .	269,801,915
1830 ,, 1847	Louis Philippe . . . . .	519,067,077
1848 ,, 1851	The Second Republic . . . . .	29,399,140
1852 ,, 1869	Napoleon III. . . . .	93,921,998
	Total . . . . .	1,011,868,611
1870 ,, 1892	The Third Republic, surplus . . . . .	166,245,358
	Total deficits . . . . .	845,623,253

These figures, however, do not represent the actual deficits arising from the difference between the ordinary revenue and the total expenditure, nor even those arising from the differences between the total revenue and total expenditure. Moreover, almost uninterruptedly, so as to make it the rule and not the exception, the budgets voted by the representatives of the nation have shown a small surplus, while the 'compte définitif,' published a number of years afterwards, has exhibited a large deficit.

The following table shows the progress during the century of the French national debt and its yearly charge :—

Date	Period	Nominal Capital	Interest
		Millions of Francs	Millions of Francs
Sept. 23, 1800	First Republic . . . . .	714	36
Jan. 1, 1815	Napoleon I. . . . .	1,272	64
Aug. 1, 1830	Louis XVIII, and Charles X.	4,426	199
Feb. 24, 1848	Louis Philippe . . . . .	5,913	244
Jan. 1, 1852	Second Republic . . . . .	5,516	239
Jan. 1, 1871	Napoleon III. . . . .	12,454	386
Jan. 1, 1889	Third Republic . . . . .	21,251	739

The following table shows the interest and annuities to be paid under the various heads of the public debt, according to the budget estimates of 1895 :—

	Francs
Consolidated debt . . . . .	693,768,581
Redeemable debt: interest. . . . .	248,417,489
"    "    amortisation. . . . .	64,096,615
Floating debt . . . . .	229,064,588
Total . . . . .	1,235,347,273

According to a statement by M. Poincaré, the debt of France, capitalised, amounted on January 1, 1893, to 30,611,685,122 francs.

The total debt would thus amount to about £31 18s., and the interest and annuities to about £1 6s. per head of the population.

## II. LOCAL FINANCE.

For 1893, the estimated ordinary revenue of the communes of France amounted to 709,593,067 francs, and expenditure to 674,610,704 francs, while the debt on March 31, 1893, amounted to 3,319,852,140 francs. Included in these sums are the revenue and expenditure of Paris, 283,253,008 francs, and debt, 1,905,706,695 francs. The estimated ordinary revenue and expenditure of Paris for 1894 were 286,943,051 francs.

The total national and local revenues derived from taxation in France were stated in the budget of 1892 to be as follows:—

	Total.	Per Head of Pop.
	Millions of Francs.	Francs.
Fiscal Revenues of the State . . . . .	2,780	72·50
„ „ Departments . . . . .	164	4·30
„ „ Communes . . . . .	531	13·85
Total . . . . .	3,475	90·65

### III. PUBLIC PROPERTY.

Apart from a very few railways, the State is owner of but a few forests and other properties, the yearly income of which is insignificant, as is seen from the following estimates:—

	1893	1894
	Francs	Francs
Gross revenue from forests . . . . .	28,194,300	28,050,120
Other domains & manufactures . . . . .	17,689,000	19,377,900

The capitalised value of private property has been the subject of many calculations, which, however, differ too greatly to be considered as reliable. The best estimates, by M. de Foville, put down the aggregate private fortunes at: land, 3,000,000,000*l.*; buildings, 2,000,000,000*l.*; specie, 200,000,000*l.*; convertible securities, 2,800,000,000*l.*; agricultural implements and live stock, 400,000,000*l.*; other personal property, 680,000,000*l.*; total private wealth, 8,080,000,000. M. Leroy Beaulieu estimates that the total yearly income of the nation reaches about 1,000,000,000*l.*, of which three-fifths is the product of personal labour.

## Defence.

### I. LAND DEFENCES.

France has a coast line of 1,760 miles, 1,304 on the Atlantic and 456 on the Mediterranean. Its land frontier extends over 1,575 miles, of which 1,156 miles are along the Belgian, German, Swiss, and Italian frontiers, and 419 along the Spanish frontier.

The whole of France is divided into 18 military regions, each under a general of division, and subdivided into districts, of the same area as the departments, under a general of brigade; Paris and Lyon have each a separate military government. The fortified places are specially administered by a 'service des fortifications.' Paris, which is considered as the centre of defence, is surrounded by a wall which has 97 bastions, 17 old forts, and 38 new advance forts or batteries, the whole forming two entrenched camps at St. Denis and Versailles.



The following are the strong places on the various frontiers :— On the German frontier : first class fortresses, Belfort, Verdun, Briançon ; second class, Langres ; third class, Toul, Auxonne ; and 9 fourth-class places. Belgian frontier : first class, Lille, Dunkirk, Arras, Douai ; second class, Cambrai, Valenciennes, Givet, St. Omer, Mézières, Sedan, Longuy, Soissons ; third class, Gravelines, Condé, Landrécies, Rocroi, Montmédy, Peronne ; and 6 fourth-class places. Italian frontier : first class, Lyon, Grenoble, Besançon ; and 11 detached forts. Mediterranean coast, first class, Toulon (naval harbour) ; second class, Antibes ; and 21 fourth-class forts. Spanish frontier : first class, Perpignan, Bayonne ; third class, St. Jean Pied-de-Port ; and 10 fourth-class forts. Atlantic coast : first class, Rochefort, Lorient, Brest ; second class, Oléron, La Rochelle, Belle Isle ; third class, Ile de Rhé, Fort Louis ; and 17 fourth-class forts. The Channel coast : first class, Cherbourg ; second class, St. Malo, Havre ; and 16 fourth-class forts.

## II. ARMY.

The military forces of France are organised on the basis of laws voted by the National Assembly in 1872, supplemented by further organisation laws, passed in 1873, 1875, 1882, 1887, and 1889. These laws enact universal liability to arms. Substitution and enlistment for money are forbidden, and it is ordered that every Frenchman not declared unfit for military service may be called up, from the age of twenty to that of forty-five years, to enter the active army or the reserves. By the law of 1882, supplemented by those of 1889 and 1892, the yearly contingent must serve 3 years in the Active Army, 10 in the Reserve of the Active Army, 6 in the Territorial Army, and 6 in the Territorial Reserve. The Active Army is composed of all the young men, not otherwise exempted, who have reached the age of twenty, and the Reserves of those who have passed through the Active Army. Neither the Active Army nor its Reserves are in any way localised, but drawn from and distributed over the whole of France. On the other hand, the Territorial Army and its Reserves are confined to fixed regions, determined from time to time by administrative enactments.

Students and pupils of certain higher schools, and seminarists, are required to serve only one year, on condition of completing their studies and obtaining a certain rank before the age of twenty-six years. All soldiers in the Active Army who have learnt their duties, and who can read and write, may be sent on furlough, at the end of a year, for an indefinite time.

The present organisation of the active French army is as follows:—

#### INFANTRY.

- 145 divisional regiments of the line, each of 3 battalions of 4 companies, each regiment of 62 officers and 1,591 men.
- 18 regional regiments of the line, each of 3 battalions of 4 companies, each regiment of 51 officers and 1,560 men, the latter located in the various fortresses of France.
- 30 battalions of chasseurs-à-pied, each of 4 or 6 companies, each company having 19 officers and 552 men.
- 4 regiments of zouaves, each of 4 battalions of 4 companies, with 2 dépôt companies, one of which is in France, each regiment of 73 officers and 2,551 men.
- 4 regiments of tirailleurs algériens, each of 4 battalions of 4 companies, with 1 dépôt company, each regiment of 103 officers and 2,632 men.
- 2 régiments étrangers, of 4 battalions of 4 companies, with 1 dépôt company.
- 5 battalions of African Light Infantry.

#### CAVALRY.

- 13 regiments of cuirassiers, 30 of dragoons, 21 of chasseurs, 13 of hussars, 6 of Chasseurs d'Afrique, each regiment having 5 squadrons, with 37 officers, 792 men, and 722 horses.
- 4 regiments of Spahis, each having 6 squadrons.
- 8 companies of 'cavaliers de remonte,' 299 men each.

#### ARTILLERY.

- 38 regiments of field artillery, one-half with 12 mounted batteries, the other half with 9 mounted and 3 horse batteries.
- 16 battalions of fortress artillery, each of 6 batteries.
- 4 batteries of fortress artillery, 4 of mounted, and 8 of mountain artillery for service in Corsica and Africa.
- 2 regiments of artillery pontonniers, each of 14 companies.
- 10 companies of artillery workmen.
- 3 companies of artificers.

#### ENGINEERS.

- 4 regiments of sappers and miners, of which 3 contain each 5 battalions and 1 company of sapper-conductors, and the other has 4 battalions and 1 company of sapper-conductors.
- 1 regiment of railway sappers.

#### TRAIN.

- 20 squadrons of train, each of 3 companies, besides 11 companies in Algeria and Tunis.

According to the budget for 1895, the peace strength of the whole French army (including vacancies, furloughs, &c.) is composed of 598,024 men (of whom 28,785 are officers), and 140,912 horses, showing an increase for the year of 33,421 men. The various subdivisions of the army and their relative strength are seen from the following table, the number of men including that of the officers, the number of officers being given separately in brackets:—

	France		Algeria		Tunis		Total	
	Men (Officers)	Horses	Men (Officers)	Horses	Men (Officers)	Horses	Men (Officers)	Horses
General Staff . . .	4,146 (3,430)	3,683	358 (271)	346	77 (59)	72	4,581 (3,760)	4,101
Military Schools . .	3,149 (405)	2,346	— (—)	—	— (—)	—	3,149 (405)	2,346
Unclassed amidst the troops . . .	2,028 (1,783)	135	748 (513)	302	101 (99)	72	2,877 (2,395)	509
<i>Army Corps:</i>								
Infantry . . .	315,744 (11,701)	6,069	36,458 (846)	373	8,710 (255)	239	360,912 (12,802)	6,681
Administrative . .	12,112 (—)	—	3,538 (—)	—	493 (—)	—	16,143 (—)	—
Cavalry . . .	69,263 (3,489)	59,017	7,866 (359)	7,790	1,853 (86)	1,697	78,982 (3,934)	68,504
Artillery . . .	76,547 (3,832)	34,444	2,697 (54)	1,424	851 (17)	473	80,095 (3,903)	36,341
Engineers . . .	11,785 (418)	892	747 (12)	300	325 (4)	140	12,857 (434)	1,382
Train . . .	8,317 (361)	5,200	3,253 (39)	2,674	936 (12)	918	12,506 (412)	8,792
Total Army Corps	493,768 (19,801)	105,622	54,559 (1,310)	12,561	13,168 (374)	3,467	561,495 (21,485)	121,650
Total Active Army	503,091 (25,419)	111,786	55,665 (2,094)	13,209	13,316 (532)	3,611	572,102 (28,045)	128,606
Gendarmerie . . .	21,596 (623)	10,600	1,122 (31)	872	154 (3)	94	22,872 (657)	11,566
Garde Républicaine	3,050 (83)	740	— (—)	—	— (—)	—	3,050 (83)	740
Grand Total . . .	527,737 (26,125)	123,126	56,787 (2,125)	14,081	13,500 (535)	3,705	598,024 (28,785)	140,912

Deducting vacancies, sick and absent, the total effective for 1895 is 524,768 for the Active Army, and 25,661 for the Gendarmerie and Garde Républicaine.

The number of men liable to military service is estimated as follows:— active army and its reserve, 2,350,000; territorial army, 900,000; territorial reserve, 1,100,000; total, 4,350,000 men, of whom about 2,500,000 would be available.

## NAVY.

The French navy is under the supreme direction of the Minister of Marine who is assisted by a Chief of the Staff. The Staff is divided into three sections—the first charged with intelligence concerning foreign navies, and the coast defences of foreign powers; the second chiefly with French coast defences, and colonial affairs (which are under the Minister's direction); and the third with the French navy afloat, training, mobilization, and operations of the fleet. The Cabinet includes a special staff, and an administrative bureau. The central administration also embraces the department of control, and directorate of *personnel*, *matériel*, and artillery, the inspectorate of works, the finance department, the services of submarine defences, hydrography, and other special sections. In addition to these are the Superior Council of the navy, and the committee of inspectors-general, with a series of particular inspectorates, the council of works, and a number of special and permanent technical and professional committees. For purposes of administration the French coasts are divided into five maritime arrondissements, having their headquarters at the naval ports of Cherbourg, Brest, Lorient, Rochefort, and Toulon, at each of which the Government has important shipbuilding establishments. At the head of each arrondissement is a vice-admiral, with the title of Maritime Prefect, who is responsible for the port administration and the coast defences, mobile and fixed. The chief torpedo-stations are Cherbourg, Dunkirk, Brest, Lorient, Rochefort, Toulon, and Corsica, as well as Algiers and Bona, which are not attached to the arrondissements. The naval forces afloat are the active and reserve squadrons of the Mediterranean, the northern squadron in the Channel, the "flying division" for training, and the divisions of the Atlantic, the Pacific, the Far East, Cochin China, and the Indian Ocean; and there are ships on local stations.

Since 1872, when the votes were 121,484,000 francs, there has been, with fluctuations, a progressive increase in the naval expenditure of France. In round millions of francs the following have been the naval votes since 1880:—1880, 186; 1881, 193; 1882, 202; 1883, 232; 1884, 254; 1885, 266; 1886, 233; 1887, 211; 1888, 194; 1889, 199; 1890, 201; 1891, 222; 1892, 219; 1893, 255. The total credits for the year 1894 were 267,371,528 francs. In 1895, 278 millions are proposed to be expended. The following was the establishment in 1894:—1,837 executive officers (including 16 vice-admirals, 30 rear-admirals, 115 *capitaines de vaisseau*, and 217 *capitaines de frégate*), and 247 principal engineer officers, progressive increase being stipulated for this branch; also 41,536 rank and file (40,132 in 1893), including 31,686 seamen and petty officers, and 7,104 engine-room artificers and stokers, these last being increased from 6,615 in 1893. Of the seaman class, 26,536, and of the engine-room ratings, 5,614 men were afloat. The total number of vessels building and contemplated, as inscribed in the budget of 1895, is 84, including torpedo-boats, and of these the following are the new vessels assigned to the financial year:—In State yards, 1 battleship analogous to the *St. Louis*, and a station despatch vessel; in private yards, 2 high speed *croiseurs-corsaires* of about 8,500 tons, 1 second-class cruiser, 2 third-class cruisers, and 2 sea-going and 5 first-class torpedo-boats, as well as 5 boats for the torpedo-transport *Foudre*.

The French navy stands next in importance to that of Great Britain. It therefore becomes of much importance to compare the two. With the British navy will be found a tabular statement of its strength, constructed upon a plan fully explained in the Introductory Table. The following statement of

the strength of the French navy, including ships building and projected, but excluding transports and non-service vessels, is strictly analogous. But the vessels indicated above as inserted in the estimates of 1895 are not included. The programme of 1894 was departed from in some particulars.

<i>Battleships</i> , 1st Class . . . . .	21	}	. . . . .	33
"    2nd Class . . . . .	9			
"    3rd Class . . . . .	3			
<i>Port Defence Ships</i> . . . . .				18
<i>Cruisers</i> , 1st Class (a) . . . . .	6	}	. . . . .	17
"    (b) . . . . .	11			
"    2nd Class . . . . .				30
"    3rd Class (a) . . . . .	46	}	. . . . .	108
"    (b) . . . . .	62			
<i>Torpedo Craft</i> , 1st Class . . . . .	46	}	. . . . .	230
"    2nd Class . . . . .	146			
"    3rd Class . . . . .	38			
Total . . . . .				436

The French navy is manned partly by conscription and partly by voluntary enlistment. By the channel of the 'Inscription Maritime,' which was introduced by Colbert, and on the lists of which are the names of all male individuals of the 'maritime population'—that is, men and youths devoted to a seafaring life, from the 18th to the 50th year of age—France is provided with a reserve of 114,000 men, of whom about 25,500 are serving with the fleet. The time of service in the navy for the 'Inscrits' is the same as that in the army, with similar conditions as to reserve duties, furloughs, and leave of absence for lengthened periods. It is enacted by the law of 1872 that a certain number of young men liable to service in the Active Army may select instead the naval service, if recognised fit for the duties, even if not enrolled in the 'Inscription Maritime.'

The tables which follow of the French armour-clad fleet and first-class cruisers are arranged chronologically, like the similar tables for the British navy. The ships named in italics in the first list are port-defence vessels. The numbers following the names of the others indicate the classes to which they have been assigned in the foregoing statement of strength. Abbreviations: *b.*, broadside; *c. b.*, central battery; *t.* turret; *bar.*, barrette; *Q.F.*, quick-firing. In the column of armaments machine guns are not given.

Description	Name	Launched	Displacement, Tons	Extreme Armouring, Inches.	Armament	Torpedo Ejections	Indicated horse-power	Nominal Speed
<i>t.</i>	<i>Onondaga</i> . . . . .	1862	2,590	12	4 9'4in. . . . .	...	600	6'0
<i>bar.</i>	<i>Thétis</i> . . . . .	1867	3,910	6	6 7'4in. ; 4 5'5in. . . . .	...	1,700	12'0
<i>bar.</i>	<i>Océan</i> . . . . .	1868	7,810	8	4 10'6in. ; 4 9'4in. ; 8 5'5in. ; 3 Q.F.	...		
<i>bar.</i>	<i>Marengo</i> . . . . .	1869	7,860	8	4 10'6in. ; 4 9'4in. ; 7 5'5in. . . . .	4	4,000	11'0
<i>bar.</i>	Suffren (3) . . . . .	1870	7,800	8	4 10'6in. ; 4 9'4in. ; 6 5'5in. . . . .	4	4,200	14'0
<i>t.</i>	<i>Bélier</i> . . . . .	1870	3,590	8½	2 9'4in. . . . .	2	1,800	12'0
<i>t.</i>	<i>Bouledogue</i> . . . . .	1872	3,510	8½	Ditto . . . . .	2	1,800	12'0
<i>c. b.</i>	Friedland (3) . . . . .	1873	8,990	9	8 10'6in. ; 8 5'5in. . . . .	4	4,500	13'0
<i>c. b.</i>	Richelieu (3) . . . . .	1873	9,130	8½	6 10'6in. ; 5 9'4in. ; 6 5'5in. . . . .	4	4,000	13'0
<i>t.</i>	<i>Tonnerre</i> . . . . .	1875	5,820	13	2 10'6in. ; 4 1'8in. Q.F. . . . .	2	3,600	12'9

Description	Name	Launched	Displacement Tons	Extreme Armouring Inches	Armament	Torpedo Ejections	Indicated horse-power	Nominal Speed
<i>c. b.</i>	Colbert (2)	1875	8,920	8½	8 10'6in.; 2 9'4in.; 6 5'5in. 2 Q.F.	4	5,000	14'4
<i>c. b.</i>	Trident (2)	1876	8,900	8½	Ditto, ditto	6	5,000	14'1
<i>c. b.</i>	Redoutable (2)	1876	9,300	14	8 10'6in.; 6 5'5in.; 2 Q.F.	4	6,200	14'8
<i>t.</i>	<i>Tempête</i>	1876	4,870	13	2 10'6in.; 4 1'8in. Q.F.	2	2,000	12'0
<i>t.</i>	Fulminant (2)	1877	5,820	13	2 10'6in.; 4 1'8in. Q.F.	2	4,000	13'0
<i>t.</i>	<i>Vengeur</i>	1878	4,710	13	2 13'3in.; 4 1'8in. Q.F.	2	2,000	10'9
<i>bar.</i>	Amiral Duperré(2)	1879	11,070	22	4 13'3in.; 1 6'2in.; 14 5'5in.; 2 Q.F.	4	7,000	15'0
<i>c. b.</i>	Dévastation (2)	1879	10,580	15	4 12'5in.; 4 10'6in.; 6 5'5in.; 2 Q.F.	4	8,300	15'0
<i>bar.</i>	<i>Tonnant</i>	1880	5,090	18	2 13'3in.	...	2,000	11'0
<i>bar.</i>	Terrible (2)	1881	7,770	20	2 16'5in.; 8 3'9in. and 2 1'8in. Q.F.	5	6,500	14'5
<i>c. b.</i>	Courbet (2)	1882	10,520	15	4 12'5in.; 4 10'6in.; 6 5'5in.; 2 Q.F.	5	8,000	15'0
<i>bar.</i>	Amiral Baudin (1)	1883	11,900	22	3 14'5in. (75-ton); and 4 6'2in., 8 5'5in., and 9 1'8in. Q.F.	4	8,300	15'0
<i>bar.</i>	Indomptable (1)	1883	7,590	20	2 16'5in.; 8 3'9in. and 2 1'8in. in Q.F.	5	6,500	14'5
<i>bar.</i>	Furieux (2)	1883	5,780	20	2 13'3in.; 5 Q.F.	2	4,600	14'0
<i>bar.</i>	Caïman (1)	1885	7,640	20	2 16'5in.; 8 3'9in. and 2 1'8in. Q.F.	...	6,500	15'0
<i>bar.</i>	Requin (1)	1885	7,740	20	Ditto, ditto	5	6,500	15'0
<i>bar.</i>	Formidable (1)	1885	11,910	22	3 14'5in. (75-ton); 4 6'2in. and 5 smaller Q.F.	5	9,600	15'0
<i>t.</i>	Hoche (1)	1886	10,650	18	2 13'3in.; 2 10'6in.; 18 5'5in.; 8 Q.F.	4	11,000	17'0
<i>t.</i>	Neptune (1)	1887	10,620	18	4 13'3in.; 17 5'5in. and 14 smaller Q.F.	4	11,000	16'5
<i>t.</i>	Marceau (1)	1887	10,620	18	Ditto, ditto	4	11,000	16'5
<i>t.</i>	Magenta (1)	1889	10,610	18	Ditto, ditto	4	11,000	16'0
<i>t.</i>	Brennus (1)	1891	10,980	17½	3 13'3in.; 10 6'2in.; 12 Q.F.	5	13,500	17'5
<i>t.</i>	Bouvines (1)	1892	6,610	18	2 11'8in.; 8 3'9in. and 4 1'8in. Q.F.	2	8,000	17'0
<i>t.</i>	Valmy (1)	1892	6,590	18	Ditto, ditto	2	8,000	17'0
<i>t.</i>	Jemnapes (1)	1892	6,900	18	2 13'3in.; 8 3'9in. and 4 1'8in. Q.F.	2	8,000	16'5
<i>t.</i>	Masséna (1)	1892	11,730	18	2 11'8in.; 2 10'6in.; 8 3'9in. Q.F.	4	11,000	18'0
<i>t.</i>	Charles Martel (1)	1893	11,800	18	2 11'8in.; 2 10'6in.; 16 Q.F.	6	13,000	17'5
<i>t.</i>	Jauréguiberry (1)	1893	11,820	18	Ditto, ditto	6	13,270	18'0
<i>t.</i>	Tréhouart (1)	1893	6,610	18	2 11'8in.; 8 3'9in. and 4 1'8in. Q.F.	2	8,000	17'0
<i>t.</i>	Bouvet (1)	...	12,205	18	2 11'8in.; 2 10'6in.; 8 5'5in. and 32 smaller Q.F.	4	11,600	18'0
<i>t.</i>	Carnot (1)	...	11,820	18	2 11'8in.; 2 10'6in.; 8 5'5in. and 16 smaller Q.F.	6	13,270	18'0
<i>t.</i>	Charlemagne (1)	...	10,780	...	4 11'8 in.; 10 5'5 in. and 32 smaller Q.F.	...	14,000	18'0
<i>t.</i>	Saint Louis (1)	...	10,780	...	Ditto, ditto	...	14,000	18'0
Armoured gun- boats	<i>Fusée</i>	1884	1,410	8	1 9'4in.; 1 3'5in.	1	1,500	12'0
	<i>Flamme</i>	1884	1,120	8	Ditto, ditto	1	1,500	12'0
	<i>Grenade</i>	1885	1,090	8	Ditto, ditto	1	1,500	12'0
	<i>Achéron</i>	1885	1,720	8	1 10'6in.; 3 3'9in. and 2 smaller Q.F.	...	1,600	13'0
	<i>Cocyte</i>	1886	1,710	8	Ditto, ditto	...	1,600	13'0
	<i>Mitraille</i>	1886	1,130	8	1 9'4in.; 1 3'5in.	1	1,500	12'0
	<i>Phlégéton</i>	1890	1,790	8	1 10'6in.; 1 5'5in. and 4 smaller Q.F.	...	1,600	13'0
	<i>Styx</i>	1890	1,790	8	Ditto, ditto	...	1,600	13'0

The first-class cruisers *a*, in the following list, are all of 5,000 tons or more, with a sea-speed of at least 15 knots. They are deck-protected. The ships named in italics are also armoured. Certain of these are inferior in displacement, and some in speed, to the others. The older ones are admitted as first-class armoured cruisers *b*, mainly for convoying purposes, in the foregoing estimate of strength. The letters *a* and *b* in the first column have reference to these categories.

Class	Name	Launched	Displacement, Tons	Armament	Torpedo Ejections	Indicated horse-power	Nominal Speed
							Knots
<i>b.</i>	<i>La Galissonière</i>	1872	4,720	6 9'4in.; 6 5'5in.	...	2,400	14'0
<i>b.</i>	<i>Victorieuse</i>	1875	4,670	6 9'4in.; 1 7'4in.; 6 5'5in.	4	2,400	13'0
<i>b.</i>	<i>Triomphante</i>	1877	4,650	Ditto, ditto	4	2,400	13'0
<i>b.</i>	<i>Turenne</i>	1879	6,360	4 9'4in.; 2 7'4in.; 6 5'5in.	2	4,400	14'0
<i>b.</i>	<i>Bayard</i>	1880	6,010	4 9'4in.; 2 7'4in.; 6 5'5in.; 2 2'5in. Q.F.	2	4,400	12'0
<i>b.</i>	<i>Vauban</i>	1882	6,210	4 9'4in.; 1 7'4in.; 6 5'5in.	2	4,400	14'0
<i>b.</i>	<i>Duqueselin</i>	1883	6,210	4 9'4in.; 1 7'4in.; 6 5'5in.; 1 3'5in.	2	4,400	14'0
<i>a.</i>	<i>Tage</i>	1886	7,255	6 6'2in.; 10 5'5in.; 5 Q.F.	7	12,500	19'0
<i>a.</i>	<i>Cécille</i>	1887	5,790	8 6'2in.; 10 5'5in.; 5 1'8in. Q.F.	4	11,000	20'0
<i>a.</i>	<i>Dupuy de Lôme</i>	1890	6,600	2 7'4in.; 6 6'2in. Q.F.; 8 smaller Q.F.	4	14,000	20'0
<i>b.</i>	<i>Latouche-Tréville</i>	1892	4,660	2 7'4in.; 6 5'5in. and 8 smaller Q.F.	5	8,000	19'0
<i>b.</i>	<i>Charner</i>	1893	4,650	Ditto, ditto	5	8,000	19'0
<i>b.</i>	<i>Bruix</i>	1894	4,650	Ditto, ditto	5	8,000	19'0
<i>b.</i>	<i>Chanzy</i>	1894	4,650	Ditto, ditto	5	8,000	19'0
<i>a.</i>	<i>Pothuau</i>	...	5,200	2 7'4in.; 10'5 5in. and 24 smaller Q.F.	...	8,500	19'0
<i>a.</i>	<i>D'Entrecasteaux</i>	...	7,900	2 9'4in.; 12 5'5in. and 16 smaller Q.F.	...	13,500	19'0
<i>a.</i>	* <i>Foudre</i>	...	5,970	8 3'9in.; 4 2'5in.; and 4 1'8in. Q.F.	6	9,000	19'5

\* Torpedo transport.

Among recent French battleships the *Hoche* (10,650 tons) presents a remarkable type, distinguished by very imposing character, resulting from her colossal super-structure. Her guns are well above the water-line, and can be fought in all weathers; but, on the other hand, her great height makes her a conspicuous object. Her two 13'3 in. guns are severally fore and aft in closed revolving turrets, with a firing arc of about 260 degrees, while the two 10'6 in. guns firing both right ahead and astern, are disposed on either broadside in barbette turrets protected by shields. The 5'5 in. guns are in a protected battery, nine on each broadside. Like other French battleships, which differ in this respect from our own, the *Hoche* is protected by a complete steel belt. Her engines, of 11,000 horse-power, give her a speed of about 17 knots with forced draught. Closely analogous are the sister ships *Neptune*, *Marceau*, and *Magenta*. These have a like disposition of armament—the heaviest guns at the angle of a lozenge, but all mounted *en barbette*. The *Brennus* differs from the ships named in having her three heavy guns in closed turrets, of which one is forward of the foremost fighting mast, while the others are severally on either quarter. The conditions of stability in some of these vessels having proved unsatisfactory, the superstructures are being reduced, and in some cases fighting masts will be removed.

The *Masséna* and *Bouvet*, in hand respectively at St. Nazaire and the Chantiers de la Loire, are still more powerful vessels, and they have this peculiarity—shared by the cruiser *Dupuy de Lôme*, the German deck-protected cruiser *Kaiserin Augusta*, and certain Italian vessels—that they have three screws, and have propelling machinery divided into three parts. The following are the dimensions of the *Bouvet*, which is a little larger than the *Masséna*—length, 382ft. 3in.; beam, 70ft. 3in.; displacement, 12,205 tons. In these ships the heavy guns are disposed as in the *Neptune*, but the pieces of the secondary armament are also in closed turrets. The protection of the *Masséna* consists of a Schneider steel belt (9 $\frac{3}{4}$ in. to 17 $\frac{3}{4}$ in.), 15 $\frac{1}{4}$ in. to 15 $\frac{3}{4}$ in. on the four large turrets, and 4in. on the smaller turrets. Beneath the armoured deck, which is 3 $\frac{1}{2}$  inches in extreme thickness, is a secondary splinter-proof deck. The *Charles Martel*, which is closely resembled by the *Jauréguiberry*, and the *Carnot*, is the largest vessel ever launched from a French State dockyard. She was designed by M. Huin, who is also the author of the plans of the *Hoche*, *Neptune*, *Marceau*, *Magenta*, *Brennus*, and *Bouvet*. The *Charles Martel* may be described as an elongated *Hoche*, but, in her upper works, she resembles the *Marceau*. The following are her principal characteristics:—Length 392ft. 6in., beam 71ft. 2in., stern draught 27ft. 6in., displacement 11,800 tons, speed 17 knots with 9,500 horse-power, and 18 knots with forced draught (13,500 horse power). The protection of the ship consists of an overall steel belt 17·71 in. thick, and further broadside plating about 4in. thick intended to protect the armoured deck (which is 2·75in. thick) from the direct action of high explosive shells. A gun of 11·81 in. is in the forward turret, which stands about 26 feet above the water-line, and another of the same calibre is aft, raised some 9ft. 6in., while amidships on either side is a gun of 10·6 in. In addition, on each broadside are four quick-firing guns of 5·5in. in turrets, protected by 3·93in. of steel. The artillery is completed by four quick-firing pieces of 2·55in., and twenty Hotchkiss guns of 21·85in., and 1·45 in. placed in the tops and on the superstructure. The whole of the artillery will be of types subsequent to the year 1887. In general aspect the *Charles Martel* is high at the bows, but has low freeboard at the stern. The *Jauréguiberry*, designed by M. Lagane, is a most interesting vessel. All her guns are worked either by hand or by electricity. Eight of her secondary guns are coupled in closed turrets; and in the *St. Louis* and *Charlemagne* this disposition is to be made for the heavy guns.

Of French cruisers the *Dupuy de Lôme* has three screws, is provided with what is practically a complete coat of armour, and has both an armoured and a splinter-proof deck. Her guns are well protected, and are admirably disposed for use in any direction, and are besides of great penetrating power. Many of her characteristics are found in the somewhat smaller armoured, turtle-back-decked cruisers *Latouche-Tréville*, *Charner*, and their sisters, as well as the *Pothuau*, which is now in hand, and is a little larger than these. France also possesses some interesting types of deck-protected cruisers. The powerful *croiseurs-corsaires* to be laid down in 1895 are inspired by the American "commerce destroyers." France has recently added to her navy some very swift torpedo-boats, and is still energetically building and devoting attention also to submarine boats.

## Production and Industry.

### I. AGRICULTURE.

Of the total area of France (52,857,199 hectares) 8,397,131 hectares are under forests and 36,977,098 hectares under all kinds of crops, fallow, and grasses. The following tables show the area under the leading crops and the production for four years:—



Crops	1880	1881	1882	1883	Crops	1880	1891	1892	1893
<i>Corn Crops:</i>					<i>Corn Crops:</i>				
Wheat . . . . .	7,001,739	5,759,599	6,986,028	7,073,050	Wheat . . . . .	116,915,880	77,265,828	109,537,907	97,792,080
Barley . . . . .	877,527	1,223,160	916,112	874,636	Barley . . . . .	17,157,270	25,420,447	16,248,516	12,240,999
Oats . . . . .	3,780,727	4,242,704	3,812,852	3,842,492	Oats . . . . .	83,635,298	106,145,172	83,991,354	62,501,524
Rye . . . . .	1,588,632	1,498,570	1,541,836	1,530,123	Rye . . . . .	24,170,317	21,588,914	23,558,094	22,515,669
Buckwheat . . . . .	606,650	623,958	604,055	584,086	Buckwheat . . . . .	9,575,515	10,303,059	9,770,022	8,718,451
Maize . . . . .	546,597	557,617	558,900	567,470	Maize . . . . .	8,964,915	9,928,395	9,972,293	9,186,484
Mixed Corn . . . . .	296,952	270,890	275,986	273,845	Mixed Corn . . . . .	4,766,653	3,698,274	4,096,922	3,699,376
<i>Green and other Crops:</i>					<i>Green and other Crops:</i>				
Potatoes . . . . .	1,464,737	1,492,736	1,512,136	1,529,308	Potatoes . . . . .	110,397,993	111,672,583	135,352,648	118,414,925
Beetroot, sugar . . . . .	238,915	260,156	253,670	259,040	Beetroot, sugar . . . . .	64,765,763	65,353,445	61,215,550	60,468,760
"    other . . . . .	332,970	342,692	360,456	392,725	"    other . . . . .	80,905,296	84,879,731	89,130,424	77,421,576
Colza . . . . .	63,675	38,155	65,028	59,069	Colza . . . . .	836,342	362,057	802,366	513,966
Flax . . . . .	32,174	29,097	27,137	29,550	Flax (Seed . . . . .	220,343	156,367	149,385	133,829
Hemp . . . . .	51,990	51,602	44,597	41,237	(Fibre . . . . .	171,221	215,617	182,300	179,433
Vineyards . . . . .	1,816,544	1,764,363	1,792,816	1,821,155	Hemp (Seed . . . . .	371,809	199,488	157,842	118,433
Tobacco . . . . .	15,448	15,407	15,467	14,211	(Fibre . . . . .	170,419	398,246	294,201	269,682
Clover . . . . .	1,050,854	1,046,392	1,120,764	1,067,227	Wine . . . . .	27,416,327	30,106,915	28,891,406	50,702,611
Meadows and Perma- nent Pasture . . . . .	4,958,741	5,075,452	5,228,080	5,255,981	Tobacco . . . . .	222,500	219,601	229,974	196,722
					Clover . . . . .	43,980,589	43,340,869	37,122,135	19,743,405
					Hay . . . . .	164,257,090	158,843,123	126,956,838	74,083,334

The annual production of wine and cider appears as follows for the last 10 years (the wine compared with 1875) :—

Year	Hectares under Vines	Wine, thousands of hectolitres	Wine Import, hectolitres	Wine Export, hectolitres	Cider, thousands of hectolitres
1875	2,246,963	82,727	272,730	3,717,590	—
1885	1,990,586	28,536	8,183,666	2,602,773	19,955
1886	1,959,102	25,063	11,042,091	2,601,565	8,301
1887	1,944,150	24,333	12,282,286	2,401,918	13,437
1888	1,843,580	30,102	12,064,000	2,118,000	9,767
1889	1,817,787	23,224	10,470,000	2,166,000	3,701
1890	1,816,544	27,416	10,830,462	2,162,129	11,095
1891	1,764,363	30,167	12,278,376	2,149,268	9,280
1892	1,792,816	28,891	9,278,769	1,840,237	15,141
1893	1,821,155	50,703	5,888,584	1,560,242	31,609
1894 <sup>1</sup>	1,766,841	39,052	3,513,157	1,446,503	15,541

<sup>1</sup> First ten months.

The value of the crop of chestnuts, walnuts, olives, cider-apples, plums, and mulberry leaves in 1893 was estimated at 247,875,243 francs.

On December 31, 1893, the numbers of farm animals were: Horses, 2,767,648; mules, 215,755; asses, 357,965; cattle, 12,154,641; sheep, 20,275,716; pigs, 5,860,592; goats, 1,466,451.

Silk culture is carried on in 24 departments of France—most extensively in Drôme, Gard, Ardèche, and Vaucluse. In 1893, 148,971 persons were employed in this industry; the production of cocoons was 9,987,110 kilogrammes; 300,254 kilogrammes of cocoons were exported, valued at 3,452,921 francs, and 2,236,092 kilogrammes of raw silk, valued at 76,027,126 francs.

## II. MINING AND METALS.

In France there are (1890) 463 mines (out of 1,372 conceded mines) in work, with (1891) 145,500 workers. The annual yield was estimated in 1891 at 30,050,000 tons, valued at 380,300,000 francs, as against 346,400,000 francs in 1890. The quarries employed same time 113,000 workers, and their annual yield was (1890) valued at 164,000,000 francs.

The following are statistics of the leading mineral and metal products :—

Year	Coal and lignite	Iron Ore	Pig Iron	Finished Iron	Steel
	Tons	Tons	Tons	Tons	Tons
1888	22,602,894	2,841,757	1,683,349	816,973	517,294
1889	24,303,509	3,070,389	1,733,964	808,724	529,302
1890-	26,083,118	3,471,718	1,962,200	823,360	566,197
1891	26,024,893	3,579,286	1,897,400	833,000	638,000
1892	26,178,701	3,706,748	2,057,300	—	—

III. MANUFACTURES.

*Textile Industries.*—The culture of flax and hemp being on the decrease in France, there were imported in 1893, 17,432,954 kilogrammes of hemp, 83,403,473 of flax, and 59,519,794 of jute. The three industries taken together employed in 1886, 365 establishments (spindles, machine looms, and hand looms).

For the woollen, cotton, and silk industries the official figures for 1887 are as follows:—

	Woollens	Cottons	Silks
Works . . . . .	—	—	1,256
Number of mills . . . . .	1,987	895	1,016
Operatives . . . . .	109,372	121,543	103,819
Horse-power . . . . .	40,466	63,112	23,777
Spindles . . . . .	3,151,871	5,039,263	1,109,466
Power looms . . . . .	44,682	72,784	51,399
Hand looms . . . . .	25,399	28,213	44,257

The value of imports and exports of cotton in millions of francs appears as follows:—

Years	Imports		Exports	
	Yarn	Cloth	Yarn	Cloth
1888	25·8	41·0	2·7	106·2
1889	29·0	41·3	3·1	116·2
1890	31·2	41·0	3·0	110·4
1891	29·6	44·8	3·2	101·2
1892	22·5	39·1	2·8	95·5
1893	18·0	32·7	3·1	100·5

The annual production of cocoons has been as follows in kilogrammes: In 1889, 7,409,830; 1890, 7,799,423; 1891, 6,883,587; 1892, 7,680,169; 1893, 9,987,110.

The values of the yearly imports and exports of woollens and silks in millions of francs are seen from the subjoined table:—

Years	Woollens				Silks	
	Imports		Exports		Imports	Exports
	Yarn	Cloth	Yarn	Cloth	Cloth	Cloth
1888	14·1	65·2	37·2	323·4	50·5	223·2
1889	12·9	67·8	55·5	364·4	58·1	260·8
1890	10·2	66·9	34·7	361·3	63·9	273·9
1891	14·1	74·9	22·3	327·0	68·7	245·7
1892	12·1	55·9	20·7	328·5	62·2	249·3
1893	12·5	50·2	21·0	278·9	51·0	224·5

*Sugar.*—In 1892–93 there were 368 sugar works (including 1 distillery), employing altogether 49,362 operatives (2,961 children), and 51,795 horse-power. The yield of sugar during the last 12 years (expressed in thousands of kilogrammes of refined sugar) was:—

Years	Tons	Years	Tons	Years	Tons	Years	Tons
1881-82	393,000	1884-85	318,000	1887-88	400,000	1890-91	615,242
1882-83	423,000	1885-86	309,000	1888-89	412,524	1891-92	577,821
1883-84	474,000	1886-87	506,000	1889-90	699,366	1892-93	512,124

#### IV. FISHERIES.

In 1890 the number of boats engaged in the French fishing was 25,043 of 196,215 tons; of which 365 of 47,658 tons were engaged in the cod fisheries. The number of fishermen on board was 88,890, and of those on shore 57,741. The total value of the fish caught was 107,563,446 francs.

In 1893, in the cod fishing, 617 boats and 11,127 men were employed, and the weight of 443,140 metric quintals was caught. In the herring fishing there were employed 616 vessels of 18,927 tons, with 7,435 men, and the weight caught amounted to 408,700 metric quintals.

#### Commerce.

In its registration of foreign trade, the French administration distinguishes between General Trade, which includes all goods entering or leaving France (from and to foreign countries and colonies), and the Special Trade, which includes only those imported goods which are intended, or are supposed to be intended, for home use and those exported goods which are of French origin. The value of each appears as follows:—

Years	General Commerce		Special Commerce	
	Imports	Exports	Imports	Exports
	Million francs	Million francs	Million francs	Million francs
Average 1884-88	5,083	4,191	4,155	3,212
1889	5,320	4,803	4,317	3,704
1890	5,452	4,840	4,437	3,753
1891	5,938	4,730	4,768	3,570
1892	5,136	4,551	4,188	3,461
1893	4,951	4,326	3,854	3,236

The chief subdivisions of the special trade during the last five years are seen from the following table, in millions of francs:—

—	Imports					Exports				
	1889	1890	1891	1892	1893	1889	1890	1891	1892	1893
Food products	1,441	1,445	1,653	1,400	1,061	837	855	809	759	710
Raw	2,262	2,342	2,419	2,173	2,229	941	899	835	823	784
Manufactured goods	613	650	696	615	564	1,926	1,999	1,926	1,879	1,742
Total	4,317	4,437	4,768	4,188	3,854	3,704	3,753	3,570	3,461	3,236

The chief articles of import for home use and exports of home produce for the same years are seen from the following in millions of francs:—

—	1889	1890	1891	1892	1893
<i>Imports :—</i>					
Wine . . . . .	384	350	401	305	183
Raw wool . . . . .	371	337	340	319	325
Cereals . . . . .	366	364	532	487	307
Raw silk . . . . .	292	240	249	258	261
Raw cotton . . . . .	203	206	204	207	184
Timber and wood . . . . .	173	158	251	104	124
Hides and furs . . . . .	180	211	215	147	146
Oil seeds . . . . .	155	192	200	154	188
Coffee . . . . .	145	156	149	145	146
Coal and coke . . . . .	212	248	190	185	164
Ores . . . . .	36	43	44	64	62
Cattle . . . . .	86	69	60	55	42
Sugar, foreign and colonial	65	46	55	60	58
Textiles, woollen . . . . .	68	67	75	56	50
,, silks . . . . .	58	64	69	62	51
,, cotton . . . . .	41	41	45	39	33
Flax . . . . .	57	58	49	62	70
<i>Exports :—</i>					
Textiles, woollen . . . . .	364	361	327	329	279
,, silk . . . . .	261	274	246	249	225
,, cotton . . . . .	116	110	101	96	101
Wine . . . . .	251	269	246	214	189
Raw silk and yarn . . . . .	139	125	109	132	126
Raw wool and yarn . . . . .	169	121	109	120	120
Small ware . . . . .	145	155	152	157	154
Leather goods . . . . .	135	146	139	112	96
Leather . . . . .	108	112	107	114	97
Linens and cloth . . . . .	103	125	133	130	131
Metal goods, tools . . . . .	85	89	89	82	70
Cheese and butter . . . . .	112	118	92	88	81
Spirits . . . . .	67	71	75	66	56
Sugar, refined . . . . .	68	62	50	55	55
Skins and furs . . . . .	68	76	79	74	62
Chemical produce . . . . .	49	50	52	58	53

The chief imports for home use and exports of home goods are to and from the following countries, in millions of francs :—

—	1890	1891	1892	1893	—	1890	1891	1892	1893
<i>Imports from :</i>					<i>Exports to :</i>				
United Kingdom . . . . .	627	589	530	492	United Kingdom . . . . .	1,026	1,013	1,027	961
Belgium . . . . .	500	487	388	395	Belgium . . . . .	538	500	502	505
Spain . . . . .	354	412	278	208	Germany . . . . .	342	364	355	336
United States . . . . .	317	486	534	317	United States . . . . .	329	248	240	205
Germany . . . . .	351	367	337	323	Switzerland . . . . .	243	235	227	173
Italy . . . . .	122	124	132	151	Italy . . . . .	150	126	133	128
British India . . . . .	210	250	201	217	Spain . . . . .	153	181	135	114
Argentine Republic . . . . .	210	198	177	167	Algeria . . . . .	195	207	190	185
Russia . . . . .	195	212	166	235	Brazil . . . . .	81	103	70	75
Algeria . . . . .	208	187	195	142	Argentine Republic . . . . .	104	52	63	60

According to value of the general imports and exports, their distribution appears from the following, in millions of francs :—

—	1890	1891	1892	1893
<i>Imports :—</i>				
By sea : French ships . . .	1,576	1,658	1,550	1,464
Foreign . . .	2,246	2,640	2,148	2,036
Total by sea . . .	3,822	4,298	3,698	3,500
,, land . . .	1,631	1,640	1,438	1,451
<i>Exports :—</i>				
By sea : French ships . . .	1,794	1,740	1,741	1,594
Foreign . . .	1,513	1,466	1,360	1,327
Total by sea . . .	3,307	3,206	3,101	2,921
,, land . . .	1,534	1,525	1,450	1,406

The share of the principal French ports and Customs House in the general trade was as follows—imports and exports combined—in millions of francs :—

Marseilles . . .	1,766	Dunkerque . . .	519	Calais . . .	175
Le Havre . . .	1,646	Boulogne . . .	415	Tourcoing . . .	174
Paris . . .	706	Rouen . . .	210	Dieppe . . .	171
Bordeaux . . .	647	Belfort, P.C. . .	178	St. Nazaire . . .	149

The imports and exports (special trade) of coin and bullion were as follows in 1893 :—

—	Gold	Silver	Total
	Francs	Francs	Francs
Imports . . .	305,471,781	158,716,395	464,188,176
Exports . . .	116,870,983	125,650,998	242,521,981

The transit trade in 1893 reached the value of 583 million francs.

The subjoined statement shows, according to the Board of Trade returns, the value of the imports into the United Kingdom from France, and of the domestic exports from the United Kingdom to France, in the years indicated :—

—	1888	1889	1890	1891	1892	1893
	£	£	£	£	£	£
Imports into U.K. from France . . .	38,855,296	45,780,227	44,828,148	44,777,460	43,519,130	43,658,090
Exports of British produce to France . . .	14,810,598	14,551,294	16,567,927	16,429,665	14,686,894	13,365,444

The total exports to France from the United Kingdom amounted to 22,232,605*l.* in 1889 ; 24,710,803 in 1890 ; 24,336,676*l.* in 1891 ; 21,337,350*l.* in 1892 ; 19,795,500*l.* in 1893.

The following table gives the declared value, in pounds sterling, of the eight staple articles imported into the United Kingdom from France in each of the last four years :—

Staple Imports into U. K.	1890	1891	1892	1893
	£	£	£	£
Silk manufactures . . . . .	7,147,067	7,214,266	7,447,481	7,675,047
Woollen „ . . . . .	6,025,578	5,831,761	5,602,296	6,017,897
Butter . . . . .	2,847,144	3,038,063	3,027,648	2,679,120
Wine . . . . .	3,240,167	3,253,747	2,859,897	3,009,764
Sugar, refined . . . . .	2,185,822	1,774,854	1,512,078	2,331,774
Leather and manufactures	1,790,724	1,581,672	1,560,396	1,585,498
Eggs . . . . .	1,270,092	1,259,009	1,437,203	1,611,495
Brandy . . . . .	1,340,684	1,359,593	1,291,554	1,152,136

These eight articles constitute about two-thirds of the total imports from France into the United Kingdom. The total quantity of wine imported into the United Kingdom from France in 1893 was 5,766,290 gallons, being 30·3 per cent. of the total quantity of wine imported into the United Kingdom.

The following table exhibits the value of the principal articles of British produce exported from the United Kingdom to France in each of the last four years :—

Staple Exports from U. K.	1890	1891	1892	1893
	£	£	£	£
Woollen manufactures and yarn . . . . .	3,037,176	2,934,552	2,631,691	2,275,696
Metals (chiefly iron and copper) . . . . .	1,764,931	1,320,609	1,519,835	888,908
Coals . . . . .	2,987,664	2,972,112	2,719,915	2,226,048
Cotton manufactures and yarn . . . . .	1,321,126	1,680,820	1,195,230	1,251,523
Machinery . . . . .	1,295,708	1,618,095	1,054,469	1,007,228
Chemicals . . . . .	723,710	482,347	387,587	459,741

### Shipping and Navigation.

On December 31, 1893, the French mercantile navy consisted of 14,190 sailing vessels, of 396,582 tons, and with crews 69,302, 1,186 steamers of 498,841 tons, and crews numbering 14,374. Of the sailing vessels 256 of 28,149 tons were engaged in the European seas, and 297 of 139,772 tons in ocean navigation; of the steamers 223 of 158,716 tons were engaged in European seas, and 180 of 277,337 tons in ocean navigation. The rest were employed in the coasting trade, in port service, or in the fisheries. Of the sailing vessels and steamers 13,172 were not over 50 tons.

The following table shows the navigation at French ports in 1892 and 1893 :—

Entered	With Cargoes		In Ballast		Total	
	Vessels	Tonnage	Vessels	Tonnage	Vessels	Tonnage
1892						
<i>French</i> :—						
Coasting trade	50,323	5,420,875	13,342	921,503	63,665	6,324,378
Foreign trade <sup>1</sup>	8,164	4,323,588	729	133,286	8,893	4,456,874
Total French	58,487	9,744,463	14,071	1,054,789	72,558	10,799,252
Foreign vessels	17,568	8,837,473	2,875	535,383	20,443	9,372,856
Total	76,055	18,581,936	16,946	1,590,172	93,001	20,172,108
1893						
<i>French</i> :—						
Coasting trade	52,363	5,524,426	13,999	991,035	66,362	6,515,461
Foreign trade <sup>1</sup>	7,623	3,958,155	636	133,692	8,259	4,091,847
Total French	59,986	9,482,581	14,635	1,124,727	74,621	10,607,308
Foreign vessels	17,838	9,247,087	2,546	514,910	20,384	9,761,997
Total	77,824	18,729,668	17,181	1,639,637	95,005	20,369,305
Cleared						
1892						
<i>French</i> :—						
Coasting trade	50,323	5,420,875	13,342	921,503	63,665	6,342,378
Foreign trade <sup>1</sup>	7,893	4,131,762	1,478	533,243	9,371	4,665,005
Total French	58,216	9,552,637	14,820	1,454,746	73,036	11,007,383
Foreign vessels	13,315	4,989,253	7,761	4,636,536	21,076	9,625,789
Total	71,531	14,541,890	22,581	6,091,282	94,112	20,633,172
1893						
<i>French</i> :—						
Coasting trade	52,363	5,524,426	13,999	991,035	66,362	6,515,461
Foreign trade <sup>1</sup>	7,402	3,846,393	1,266	444,071	8,668	4,290,464
Total French	59,765	9,370,819	15,265	1,435,106	75,030	10,805,925
Foreign vessels	12,874	5,033,918	7,840	4,844,100	20,714	9,878,018
Total	72,639	14,404,737	23,105	6,279,206	95,744	20,683,943

<sup>1</sup> Inclusive of colonies and maritime fishing.

### Internal Communications.

#### I. RIVERS, RAILWAYS, ETC.

In 1893 there were in France 38,072,271 kilometres of national roads.

Navigable rivers, 8,877 kilometres; actually navigated (1894), 7,522 kilometres; canals, 4,805 kilometres.



The navigation on the rivers and canals is on a steady increase, as seen from the following figures of yearly traffic (in millions of metric tons) :—

Year	Canals	Rivers	Total
1879	1,104	919	2,023
1887	1,707	1,366	3,073
1888	1,751	1,428	3,180
1889	1,789	1,448	3,238
1890	1,900	1,316	3,216
1891	2,000	1,537	3,537
1892	2,083	1,526	3,609

By a law passed June 11, 1842, the work of constructing railways was left mainly to private companies, superintended, and if necessary assisted in their operations, by the State; which, moreover, also constructs and partly works railways on its own account.

The French railways grew from 9,086 kilometres in 1860 to 35,750 kilometres at the end of 1893, of which 2,728 kilometres belonged to the State, besides 3,270 of local interest.

The length of line open for traffic, cost of construction, receipts, and working expenses in five years were :—

Year	Length Miles	Construction Cost	Receipts	Expenses
		£1,000	£1,000	£1,000
1888	19,951	547,606	43,226	22,673
1889	20,440	562,105	46,374	23,950
1890	20,666	569,080	46,731	24,238
1891	21,038	584,080	47,397	25,560
1892	21,661	594,600	47,336	26,511

The number of passengers in 1892 was 288,077,679; the weight of the goods carried was 95,712,971 tons. In 1893 (September 30) the length of line open was 22,193 miles; in 1894, 22,561 miles.

On 31 December, 1893, the length of tramways worked was: for goods and passengers, 1,010 kilometres; for passengers only, 729 kilometres; total, 1,739 kilometres.

## II. POSTS AND TELEGRAPHS.

On January 1, 1892, France and Algeria had 7,797 post-offices, besides about 60,000 letter-boxes. The postal receipts for France alone in 1892 amounted to 200,781,535 francs, and expenditure to 153,831,678 francs. The number of letters, &c., carried in France and Algeria in 1892 was :—

	Internal	International and Transit	Total
	(1,000's)	(1,000's)	(1,000's)
Letters . . . . .	708,648	135,918	844,566
Registered letters, &c. . . . .	34,664	2,075	36,739
Post-cards . . . . .	45,435	5,943	51,378
Printed matter, samples, &c. . . . .	912,190	125,582	1,037,772
Total . . . . .	1,700,937	269,518	1,970,455

The total length of the telegraphic lines on January 1, 1893, was 59,693 miles, with 197,622 miles of wire. There were 10,589 telegraph offices, and in 1892 there were despatched 45,328,888 telegrams, of which 33,439,947 were internal, 5,306,337 international, 1,571,168 in transit, and 5,011,436 were official. There are 237 miles of pneumatic tubes in Paris. The number of subscribers to the telephonic systems in 1890 was 11,439, and 152,538 inter-urban conversations were held.

### Money and Credit.

The total amount of coin put into circulation by France from 1795 till January 1, 1893, was 8,831,462,370 francs gold, and 5,534,675,124 francs silver. The French money coined in 1892 amounted to 4,714,120 francs, of which 200,000 francs was bronze. The proportion of silver coin of each of the members of the Latin Union in circulation in France is indicated by the results of an inquiry made on September 14, 1893, by the Government offices, the railway companies, the banks of France and Algeria, and other banking companies. The total nominal value of the silver coin examined was 6,043,967 francs, and it was found that 58.9 per cent. was French, 28.8 per cent. Italian, 6.5 per cent. Belgian, 4.0 per cent. Swiss, and 1.8 per cent. Greek.

The statistics of private banking are too unsatisfactory to be given.

The private savings-banks numbered 544 (with 1,074 branch offices) in January, 1891; and on December 31, 1893, the number of depositors was 6,173,054, to the value of 3,143,370,267 francs, thus giving an average of 509 francs for each account. The postal savings-banks, introduced in 1881, had (including Algeria and Tunis) December 31, 1893, 2,089,492 accounts, to the value of 610,793,920 francs, thus showing an average of 292 francs per account.

The Bank of France, founded in 1806, has the monopoly of emitting bank notes. Its capital is estimated at 182,500,000 francs.

The situation of the bank on June 30, 1894, was:—

Cash :	1,000 francs	1,000 francs
Gold . . . . .	1,787,100	
Silver . . . . .	1,278,600	
		3,065,700
Notes to bearer in circulation . . . . .		3,397,500
Accounts current and deposits . . . . .		498,100
Portfolio: French and foreign paper . . . . .		535,300
Advances on mortgage . . . . .		290,000
Treasury account-current and deposits . . . . .		114,600

The nominal value of the money coined in France during five years has been:—

Year	Gold	Silver	Bronze	Total
	Francs	Francs	Francs	Francs
1889	17,477,800	370	200,000	17,678,170
1890	20,602,800	—	200,000	20,802,800
1891	17,422,020	—	200,000	17,622,020
1892	4,514,120	—	200,000	4,714,120
1893	50,943,360	—	200,000	51,143,360
	110,960,100	370	1,000,000	111,960,470

## Money, Weights, and Measures.

### MONEY.

The Monetary Union between France, Belgium, Switzerland, and Italy, was formed in 1865, and was joined by Greece in 1868. The convention was renewed in 1878, 1885, and 1890, and unless again renewed, will end in 1895.

The countries in the Union have their gold and silver coins of the same weight and fineness, and each in its public offices, accepts payment in the coin, gold or (with the limitation stated below) silver of the others. When the term of the convention expires, each may return to each of the others the silver money which it has received from them respectively; and must accept its own silver coin in return, or if the supply of this is insufficient, be repaid in gold.

The coinage system of the Latin Monetary Union is followed also in Finland, Roumania, Servia, Spain, and, partially, in several of the South American Republics.

The *Franc* of 100 *centimes* is of the value of  $9\frac{1}{2}d.$  or 25·225 francs to the pound sterling.

Gold coins in common use are 20, 10, and 5 franc pieces. The 20 franc gold piece weighs 6·4516 grammes ·900 fine, and thus contains 5·80645 grammes of fine gold.

Silver coins are 5, 2, 1, and half franc pieces. The 5-franc silver piece weighs 25 grammes ·900 fine, and thus contains 22·5 grammes of fine silver. The franc piece weighs 5 grammes ·835 fine, and contains 4·175 grammes of fine silver.

Bronze coins are 10 and 5 centime pieces.

There is a double standard of value, gold and silver, the ratio being theoretically  $15\frac{1}{2}$  to 1. Of silver coins, however, only 5-franc pieces are legal tender, and of these the free coinage has been suspended since 1876.

### WEIGHTS AND MEASURES.

<i>Gramme</i> . . . . .	= 15·43 gr. tr.	<i>Mètre</i> . . . . .	= 39·37 inches.
<i>Kilogramme</i> . . . . .	= 2·205 lbs. av.	<i>Kilomètre</i> . . . . .	= ·621 mile.
<i>Quintal Métrique</i> . . . . .	= 220½ „ „	<i>Mètre Cube</i> } . . . . .	= 35·31 cubic ft.
<i>Tonneau</i> . . . . .	= 2,205 lbs.	<i>Stère</i> }	
<i>Litre, Liquid</i> . . . . .	= 1·76 pint.	<i>Hectare</i> . . . . .	= 2·47 acres.
<i>Hectolitre</i> {	Liquid = 22 gallons.	<i>Kilomètre Carré</i> . . . . .	= ·386 sq. mile.
	Dry . . . . .		

## Diplomatic Representatives.

### 1. OF FRANCE IN GREAT BRITAIN.

*Ambassador* — Baron de Courcel.

*Minister Plenipotentiary*. — Baron d'Estournelles de Constant.

*Secretary*. — Comte de St. Genys.

*Attaché*. — E. Pelletier.

*Military Attaché*. — Count du Pontavice de Houssey.

*Naval Attaché* — Captain E. Le Clerc.

*Secretary-Archivist*. — J. Knecht.

There are French Consular representatives at—

London, C.G.	Southampton, V.C.	Mandalay, C.
Cardiff, C.	Bombay, C.	Melbourne, C.
Dublin, C.	Calcutta, C.G.	Mauritius, C.
Edinburgh, C.	Cape Town, C.	Quebec, C.G.
Glasgow, C.	Cyprus, C.	Singapore, C.
Liverpool, C.	Gibraltar, C.	Sydney, C.
Manchester, V.C.	Hong Kong, C.	Wellington(N.Z.), V.C.
Newcastle, C.	Malta, C.	

## 2. OF GREAT BRITAIN IN FRANCE.

*Ambassador*.—Right Hon. the Marquess of Dufferin and Ava, G.C.B., K.P., G.C.S.I., &c. ; Governor-General of Canada 1872-78 ; Ambassador to Russia 1879-81 ; to Turkey 1881-84 ; Governor-General of India 1884-88 ; Ambassador to Italy 1888-92. Appointed Ambassador to France, December 15, 1891.

*Secretary*.—Henry Howard, C.B.

*Military Attaché*.—Colonel the Hon. Reginald A. J. Talbot, C.B.

*Naval Attaché*.—Captain G. le Clerc Egerton, R.N.

*Commercial Attaché for Europe (except Russia)*.—Sir Joseph A. Crowe, K.C.M.G., C.B.

There are British Consular representatives at—

Paris, C.	Cayenne, C.	Martinique, C.
Ajaccio, C.	Cherbourg, C.	New Caledonia, C.
Algiers, C.G.	Dunkirk, C.	Nice, C.
Bordeaux, C.	Havre, C.G.	Réunion, C.
Brest, C.	La Rochelle, C.	Saigon, C.
Calais, C.	Marseilles, C.	Tahiti, C.

## Statistical and other Books of Reference concerning France.

### 1. OFFICIAL PUBLICATIONS.

Almanach national. Annuaire officiel de la république française. Paris, 1894.

Annuaire de la marine et des colonies. 8. Paris, 1894.

Annuaire statistique de la France. 8. Paris, 1894.

Annuaire Statistique de la Ville de Paris. Paris, 1894.

Army, Handbook of the French, Prepared in the Intelligence Division of the War Office, by Captain A. K. Wisely. 8. London, 1891.

Budget general de l'exercice, 1895. Paris, 1894.

Bulletin de statistique du Ministère des Finances. Bulletin des lois de la république française. Bulletin du Ministère des Travaux Publics. Bulletin officiel du Ministère de l'Intérieur.

Compte général de l'administration de la justice civile et commerciale en France pendant l'année 1892. 4. Paris, 1894.

Compte général de l'administration de la justice criminelle en France, par le Garde des Sceaux, Ministre de la Justice. 4. Paris, 1894.

Dénombrement de la population, 1891. Paris, 1894.

Journal officiel.

La situation financière des communes de France et d'Algérie, précédée d'un tableau indiquant la situation financière des départements. 9me publication. Paris, 1886.

Ministère des Finances : Comptes généraux de l'administration des finances. Paris, 1894.

Ministère de l'Agriculture : Bulletin, Paris, 1894.

Résumé des états de situation de l'enseignement primaire. Paris, 1893.

Situation économique et commerciale de la France. Exposé comparatif pour les quinze années de la période 1865-79. Paris, 1881.

Tableau du commerce général de la France, avec ses colonies et les puissances étrangères, pendant l'année 1893. 4. Paris, 1894.

Tableau général des mouvements du cabotage pendant l'année 1893. Direction générale des douanes et des contributions indirectes. 4. Paris, 1894.

Hertslet (Sir Edward, C.B.). The Foreign Office List. Published annually. London.

Report by Mr. L. S. Sackville West on the Tenure of Land in France, dated Paris, Nov. 19, 1869 ; in 'Reports from H.M.'s Representatives respecting the Tenure of Land in the several Countries of Europe.' Part I. Fol. London, 1870.

Foreign Office Reports, Annual Series. London, 1894.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

- Annuaire de l'économie sociale. 8. Paris, 1893.
- Armies (The), of To-day. By various writers. 8. London, 1893.
- Baedeker's Guide-Books*: Paris, 10th edition 1891; Northern France, 1894; Southern France, 1891. Leipzig and London.
- Barker* (E. H.), Wayfaring in France. 8. London, 1890.
- Baudrillart* (H. J. L.), Les Populations agricoles de la France. 3 séries. 8. Paris, 1885-93.
- Bontiny* (E. G.), Studies in Constitutional Law. Tr. by E. M. Dicey. 8. London, 1891.
- Block* (Maurice), Annuaire de l'économie politique et de la statistique. 1894. 16. Paris, 1893.
- Chéruel* (P. A.), Dictionnaire historique des Institutions, mœurs et coutumes de la France. 2 vols. 12. Paris, 1855.
- Dally* (F. J. M. A.), La France militaire illustrée. 2 édition. 8. Paris, 1893.
- Davaigne* (E.), Annuaire du protestantisme français. 8. Paris, annual since 1893.
- Delarbre* (J.), La marine militaire de la France. 8. Paris, 1881.
- Deschamps* (L.), Histoire de la Question Coloniale en France. Paris, 1891.
- Dupont* (P.), Annuaire de la marine pour 1894. 8. Paris, 1894.
- Duruy* (Victor), Histoire de France. 4. Paris, 1892.
- Edwards* (M. Betham), France To-day. 2 vols. 8. London, 1892-4
- Foville* (A. de), La France actuelle. Paris, 1889.
- Franceschi* (G.), Manuel municipal: Commentaire pratique de la Loi du 5 Avril 1884, &c. 8. Paris, 1892.
- Fustel de Coulanges* (N. D.), Histoire des Institutions politiques de l'Ancienne France. 6 vols. 8. Paris, 1888-92.
- Guizot* (F. P. G.), Histoire de France jusqu'en 1789. 5 vols. 4. Paris, 1870-76.  
Histoire de France depuis 1789 jusqu'en 1848. 2 vols. 8. Paris, 1879<sup>4</sup>  
English Translation of Guizot's *Historiés* by R. Black. 8 vols. 8. London, 1870-81.
- Hillebrand* (Karl), France and the French in the second half of the Nineteenth Century. [Translated from the German]. 8. London, 1881.
- Joanne* (Paul), Editor, Dictionnaire Géographique et Administratif de la France, &c. 4. Paris, 1888, &c.
- Journal de la Société de Statistique de Paris. Paris, 1894.
- Jung* (H. F. Th.), La République et l'Armée. 12. Paris, 1892.
- Lavergne* (Léonée de), Economie rurale de la France. 4me éd. 18. Paris, 1878.
- Lebon* (A.) and *Pelet* (P.), France as it is. London, 1888.  
L'Economiste français. Paris, 1894.
- Loisne* (C. de), Histoire politique de France. Paris, 1886.
- Levasseur* (E.), La France et ses colonies. 3 vols. Paris, 1890-91.
- Levasseur* (E.), La Production Brute Agricole de la France. Paris, 1891.
- Leverdays* (E.), Nouvelle organisation de la République, &c. 12. Paris, 1892.
- Molard* (J.), Puissance Militaire des Etats de l'Europe. Paris, 1893.
- Monteil* (Edgar), L'Administration de la République. 12. Paris, 1893.
- Murray's Handbook for Travellers in France*. 18th edition. London, 1892.
- Reclus* (Elisée), La France. Vol. II. of 'Nouvelle géographie universelle.' 8. Paris, 1877.
- Schoene* (L.), Histoire de la Population française. 12. Paris, 1893.
- Smith* (R. T.), The Church in France. 8. London, 1894.  
Statistique de la production de la soie en France et à l'étranger. Récolte de 1893. Lyons, 1893.
- Tripier* (L.), Les Codes français. 42 édition. 8. Paris, 1892.
- Vigneron* (H.), La France militaire et maritime du XIXme siècle. Paris, 1890, &c.
- Vignon* (L.), L'Expansion de la France. Paris, 1891.
- Vihver* (M. A.), Histoire de la dette publique en France. Paris, 1886.
- Villenaue* (M. de la Bigne de), Elements de Droit constitutionnel français. 8. Paris, 1892.
- Wenzel* (John), Comparative view of the Executive and Legislative Departments of the Governments of the United States, France, England, and Germany. 8. Boston, 1891.
- Worms* (Emile), Essai de Législation financière: le budget de France dans le passé et dans le présent. 8. Paris, 1893.

## ANDORRA.

The republic of Andorra, which is under the joint suzerainty of France and the Spanish Bishop of Urgel, has an area of 175 square miles and a population of about 6,000. It is governed by a council of twenty-four members elected for four years by four heads of families in each parish. The council elect a first and second syndic to preside; the executive power is

vested in the first syndic, while the judicial power is exercised by a civil judge and two vicars or priests. France and the Bishop of Urgel appoint each a vicar and a civil judge alternately. A permanent delegate, moreover, has charge of the interests of France in the republic.

### Colonies and Dependencies.

The colonial possessions and protectorates of France (including Algeria), dispersed over Asia, Africa, America, and Polynesia, embrace, inclusive of countries under protection and spheres of influence, a total area of 2,485,000 square miles. Not reckoned as a colony is Algeria, which has a government and laws distinct from the other colonial possessions, being looked upon as a part of France. Algeria, as well as all the colonies proper, are represented in the Senate and Chamber of Deputies, and considered to form, politically, a part of France. The estimated area and population of the various colonies and countries under protection, together with the date of their first settlement or acquisition, is shown in the subjoined table (on page 507), compiled from the latest official returns.

In 1891 the trade of the colonies was:—

Colonies	Trade with France		Trade with French Colonies		Trade with Foreign Countries		Total Trade	
	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports
	1,000 Francs	1,000 Francs	1,000 Francs	1,000 Francs	1,000 Francs	1,000 Francs	1,000 Francs	1,000 Francs
Cochin-China } Indo-China }	20,321	5,535	206	242	46,507	61,292	67,035	67,069
French India . . .	610	14,456	18	106	3,855	5,939	4,483	20,501
Mayotte . . .	152	849	56	59	452	123	660	1,031
Nossi Bé . . .	350	422	112	326	2,171	1,961	2,633	2,709
Ste. Marie . . .	—	—	—	—	—	—	—	—
Réunion . . .	9,235	14,892	463	114	12,542	829	22,240	15,835
New Caledonia . . .	4,913	821	69	—	6,436	7,808	11,418	8,629
Tahiti . . .	580	344	5	—	3,087	4,219	3,672	4,563
Guinea & Congo . . .	779	602	2	—	1,900	1,959	2,681	2,560
Senegal . . .	9,046	10,820	70	127	9,092	2,001	18,208	12,948
Guiana . . .	7,410	4,387	86	78	3,521	347	11,017	4,812
Martinique . . .	10,741	21,254	923	307	21,996	1,378	33,660	22,939
Guadeloupe . . .	7,830	14,133	908	683	11,718	348	20,456	15,164
St. Pierre and Miquelon }	3,897	8,491	108	1,511	9,523	83	13,528	10,084
Total . . .	75,864	97,006	3,027	3,554	132,310	88,282	211,691	188,843

The special trade of France with French Colonies in 1893 amounted to 160,293,513 francs for imports, and 84,599,225 francs for exports. Including the trade with Algeria and Tunis, the total amount of imports was 318,685,645 francs, and of exports 286,367,252 francs.

I. COLONIES.	Year of Acquisition	Area in Square Miles	Population
<i>In Asia :—</i>			
French India . . . . .	1679	203	283,053
Cochin-China . . . . .	1861	23,000	1,876,639
Tonquin, Annam, and Siam . . . . .	1884-93	114,700	15,000,000
Total of Asia . . . . .		137,903	17,159,692
<i>In Africa :—</i>			
Algeria . . . . .	1830	184,474	4,124,732
Senegal and Rivières du Sud . . . . .	1637	} 386,000	} 5,048,000
French Soudan and Niger . . . . .	1880-90		
Gaboon and Guinea Coast . . . . .	1843		
Congo Region . . . . .	1884	258,620	5,000,000
Réunion . . . . .	1649	1,000	167,847
Mayotte . . . . .	1843	143	8,708
Nossi-Bé . . . . .	1841	113	7,700
Ste. Marie . . . . .	1643	64	7,667
Obock . . . . .	1864	46,320	200,000
Total of Africa . . . . .		876,734	14,564,654
<i>In America :—</i>			
Guiana, or Cayenne . . . . .	1626	46,850	29,650
Guadeloupe and Dependencies . . . . .	1634	720	165,761
Martinique . . . . .	1635	380	175,863
St. Pierre and Miquelon . . . . .	1635	90	5,929
Total of America . . . . .		48,040	377,203
<i>In Oceania :—</i>			
New Caledonia . . . . .	1854	7,700	62,752
Marquesas Islands . . . . .	1841	480	5,145
Tahiti and Moorea . . . . .	1880	455	11,181
Raiatea . . . . .	1888	—	—
Tubuāi and Raiavavāe . . . . .	1881	80	881
Tuamotu and Gambier Islands . . . . .	1881	390	6,536
Wallis Islands . . . . .	1887	60	3,500
Total of Oceania . . . . .		9,165	92,995
Total of colonies (with Algeria)		1,071,843	32,194,544
II. PROTECTED COUNTRIES AND SPHERES OF INFLUENCE.			
Tunis . . . . .	1881	45,000	1,500,000
Madagascar . . . . .	1887	228,500	3,500,000
Annam . . . . .	1884	106,250	5,000,900
Cambodia . . . . .	1862	32,390	1,500,000
Comoro Isles . . . . .	1886	800	47,000
Sahara Region . . . . .	1890-91	1,000,000	—
Total, protected countries . . . . .		1,412,940	14,547,000
Total, colonies and protected countries . . . . .		2,484,783	43,741,544

In the budget for 1895 the expenditure for the Colonial Service, exclusive of Algeria and Cambodia, was estimated at 81,889,143 francs, while the contribution of the colonies to the civil and military expenditure which they occasion and to the general charges of the state was fixed at 145,000 francs. In addition, the Marine Budget has to bear certain colonial expenses, while each colony has a large budget of its own, insufficient to meet the colonial expenses.

The only possessions of commercial importance, besides Algeria and Tunis, are Cochin-China, the islands of Réunion and Madagascar on the coast of Africa, and Martinique and Guadeloupe in the West Indies. The exports from and imports to French colonies are seen from the table on page 506; where more recent statistics are available they are given under separate heads.

The total imports from French colonies and dependencies (exclusive of Algeria and Tunis) into Great Britain amounted in 1893 to 73,764*l.*, and the exports of British produce from Great Britain to these possessions to 300,436*l.*

The following are more detailed notices of the colonies, dependencies, and spheres of influence, arranged under ASIA, AFRICA, AMERICA, and AUSTRALASIA and OCEANIA.

## ASIA.

### FRENCH INDIA.

The French possessions in India, as established by the treaties of 1814 and 1815, consist of five separate towns, which cover an aggregate of 50,803 hectares (about 200 square miles), and had on December 31, 1888, the following estimated populations:—

*Pondichery . . . 41,253 *Karikal . . . 34,719 Oulgaret . . . 46,529 Villenour . . . 35,983	Nédoukadou . . . 33,487 *Shandernagar . . . 25,395 Bahour . . . 27,129	La Grande Aldée 23,260 *Mahé . . . 8,349 *Yanaon . . . 4,199
------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------	--------------------------------------------------------------------

Total, 280,303.

Of this total less than 1,000 are Europeans. The colonies are divided into five *dépendances*, the chief towns of which are marked with an asterisk in the above table, and ten communes, having municipal institutions. The Governor of the colony resides at Pondichery. The colony is represented by one senator and one deputy. Local revenue and expenditure (budget of 1894) 1,835,878 francs; expenditure of France (budget of 1895), 333,696 francs; debt 300,000 francs. The chief exports from Pondichery are oil seeds. At the ports of Pondichery, Karikal, and Mahé in 1891 517 vessels of 543,051 tons entered and 535 of 535,710 tons cleared. In 1891 there were 5 post offices, through which 76,225 letters, &c., passed.

### FRENCH INDO-CHINA.

Under this designation the French dependencies of Cochin-China, Tonquin, Annam, and Cambodia have, to a certain extent, been incorporated. There is a Superior Council of Indo-China, which fixes the budget of Cochin-China, and advises as to the budgets of Annam, Tonquin, and Cambodia.

In 1893 about 100,000 square miles of Siam to the east of the Mekong was annexed by France.

In 1887 the French possessions in Indo-China, including Annam and Cambodia, were united into a Customs Union; the external trade of the Union reached in 1892 68,650,878 francs for imports, and 95,071,570 francs for exports. Of the total foreign trade in 1891, 24 per cent. was with France.

### ANNAM.

French intervention in the affairs of Annam, which began as early as 1787, was terminated by a treaty, signed on June 6, 1884, and ratified at Hué on February 23, 1886, by which a French protectorate has been estab-



lished over Annam. Prince Bun Can was proclaimed King on January 31, 1889, under the title of Tham Thai. The ports of Turane, Qui-Nhon, and Xuan Day are opened to European commerce, and the former has been conceded to France; French troops occupy part of the citadel of Hué, the capital (population 30,000). Annamite functionaries administer all the internal affairs of Annam. The area of Annam proper is about 27,020 square miles, and of the territory more or less dependent, about 19,300 square miles. Population estimated at 2,000,000 by some, and at 5,000,000 by others; the latter being considered the more probable. It is Annamite in the towns and along the coast, and consists of various tribes of Moïs in the hilly tracts. There are 420,000 Roman Catholics. There are 23,230 soldiers, of whom 11,830 are natives. A French company has (1891) been formed for working coal mines at Turane. Chief productions are cereals, cinnamon bark, sugar, and dyes. Imports (1892) 4,671,474 francs; exports, 3,513,688 francs. The chief imports are cotton-yarn, cottons, tea, petroleum, paper goods, and tobacco; chief exports, sugar and cinnamon. In 1892, 581 vessels of 112,911 tons entered (463 of 34,623 tons Chinese, 71 of 47,987 tons German, 28 of 18,965 tons French, 11 of 7,624 tons British).

#### CAMBODIA.

Area, 38,600 square miles; population from 1,500,000 to 1,800,000, consisting of several indigenous races, 30,000 Malays, 100,000 Chinese and Annamites. The country is under King Norodom, who recognised the French protectorate in 1863, and it is divided into 32 arrondissements. The two chief towns are Pnom-Penh (population 30,000), the capital of the territory, and Kampot, a seaport, but not accessible for sea-going vessels. The budget has been taken over by Indo-China, a sum of 400,000 dollars (£50,000) being allowed for the use of the king. The budget for 1893 was fixed at 1,413,500 dollars. The chief culture is rice, betel, tobacco, indigo, sugar tree, and silk tree. The external trade is carried on mostly through Saigon in Cochin-China. Imports (1892) 351,485 francs; exports, 3,110,659 francs. Salt fish, cotton, beans, tobacco, rice. The trade statistics are included in those of Indo-China. The imports comprise salt, wine, tea, textiles, arms, and pottery.

#### COCHIN-CHINA.

The area of French Cochin-China is estimated at 23,082 square miles. The whole is divided into 4 provinces, Saigon, Mytho, Vinh-Long, and Bassac; and these into 21 arrondissements. The colony is represented by one deputy. The total population in 1891 was estimated at 2,034,453 consisting chiefly of Annamites, but including Cambodians, Chinese, Malays and Malabarians. The French population is under 3,000; Asiatic immigrants in 1893, 23,550; departures, 11,206. There were 628 schools, with 115 European and 1,183 native teachers, and 25,397 pupils. The Catholic population numbered 5,800, and the Buddhists, 1,688,270. There were 1,830 French troops, and about 2,800 Annamite soldiers. Of the total area about one-sixth (or 995,933 hectares) is cultivated. The chief crop is rice—11,694,685 piculs in 1893, exported mostly to China, Europe, and Singapore. Cotton, hides, fish, pepper, copra are also articles of export. In 1887 the colony had 143,270 oxen and buffaloes. Narrow gauge tramway lines are in operation in Saigon and its neighbourhood, and concessions have been granted for their extension. Imports in 1892, 35,546,628 francs; exports 80,706,856 francs. The chief imports are tissues and metal tools and machinery. At Saigon in 1893 there entered 575 vessels of 701,083 tons (214 of 213,464 tons German, 142 of 223,969 tons French, 167 of 207,322 tons British). There are in the colony 51 miles of railway, and 1,840 miles of telegraph line, with 73 telegraph offices. Telegrams (1892) 197,692. At Saigon there are 5 banks or bank-agencies. In the local budget of 1894 the annual revenue and ex-

penditure balanced at 10,000,000 dollars (1,250,000%). Expenditure of France (budget 1895) 3,051,226 francs. The French budget for 1895 fixes the contingent to be paid by Cochin-China at 4,690,000 francs towards the military expenditure of Annam and Tonquin.

### TONQUIN.

This territory, annexed to France in 1884, has an area of 34,740 square miles, and is divided into fourteen provinces, with 8,000 villages and a population estimated at 9,000,000. There are 400,000 Roman Catholics. Chief town Hanoi, an agglomeration of many villages, with a population of 150,000. Revenue (1888) of Tonquin and Annam 17,321,000 francs, expenditure, 17,034,620 francs. There were 18,555 troops in 1892, including 6,500 native soldiers. The chief crop is rice, 1,060,000 piculs in 1892, exported mostly to Hong-Kong. Other products are sugar-cane, silk tree, cotton, various fruit trees, and tobacco. There are copper and iron mines of good quality. French companies work coal mines at Hongay, near Haiphong, and at Kebao. The chief industries are silk, cotton, sugar, pepper, and oils. In 1892 the imports into Tonquin amounted to 28,432,772 francs; exports 10,735,850 francs. Chief imports are metals and metal tools and machinery, yarn and tissues, beverages; chief exports rice and animal products. The transit trade to and from Yunnan amounted to 4,990,000 and 3,180,000 francs respectively. At Haiphong in 1892 there entered (exclusive of Chinese vessels) 177 steamers and 2 sailing vessels; of these 71 were French, 57 German, and 42 Danish. The Phulang-Thuong-Langson railway, about 62 miles long, is being constructed. In Tonquin in 1892 there were 19 post offices. Local revenue (1892), 1,085,563 piastres. The expenditure of France for Annam and Tonquin in the budget of 1895 was 26,250,000 francs, of which 450,000 francs was for the Tonquin submarine telegraph cable, the remainder being for the military and maritime services.

### Books of Reference on French Asia.

- Indo-Chine Française. Rapport Général sur les Statistiques des Douanes. Annual. Hanoi. Boisset (Th.), A travers le Tonkin pendant la Guerre. 12. Paris, 1892.  
 Chailley-Bert (J.), La Colonisation de l'Indo-Chine. 12. Paris, 1892. [English Translation. London, 1894.]  
 Dest-Plan (Picard), Annam et Tonkin: Notes de Voyage. 8. Paris, 1892.  
 Gioi (M.), Deux Années de Lutte. 12. Paris, 1892.  
 Haurigot (G.), Les Etablissements français dans l'Inde et en Océanie. 8. Paris, 1891.  
 Hocquard (C. E.), Une Campagne en Tonquin. 8. Paris, 1892.  
 Livrije (M. le G. de la), L'Empire d'Annam et le Peuple Annamite. 8. Paris, 1889.  
 Mesny (Gen. W.), Tungking. 8. London, 1884.  
 Norman (C. B.), Tonkin, or France in the Far East. 8. London, 1884.  
 Reclus (E.), Nouvelle Géographie Universelle Vol. VIII. Paris, 1883.

## A F R I C A.

### ALGERIA.

#### (L'ALGÉRIE.)

#### Government.

A civil Governor-General at present administers the government of Algeria, which is now regarded as a detached part of France rather than as a colony. A small extent of territory in the Sahara is still administered by the military authorities, represented by the Commandant of the 19th Army Corps.

*Governor-General of Algeria.*—M. Jules Cambon, appointed April, 1891.

The French Chambers have alone the right of legislating for Algeria, while such matters as do not come within the legislative power are regulated by decree of the President of the Republic. The Governor-General is assisted by a council, whose function is purely consultative. A Superior Council, meeting once a year, to which delegates are sent by each of the provincial general councils, is charged with the duty of discussing and voting the

colonial budget. Each department sends one senator and two deputies to the National Assembly.

### Area and Population.

The boundaries of Algeria are not very well defined, large portions of the territory in the outlying districts being claimed both by the French Government and the nomad tribes who inhabit it and hold themselves unconquered. The colony is divided officially into three departments, consisting as a whole of the 'Territoire civil,' and a 'Territoire de commandement.' The following table gives the area of each of the three departments of Algeria, according to the Census of 1891:—

—	Area, sq. miles	Population			Pop. per sq. mile
		Civil Dept.	Military Dept.	Total	
Algiers . . .	65,929	1,275,650	192,477	1,468,127	22
Oran . . .	44,616	817,450	124,616	942,066	21
Constantine . .	73,929	1,543,867	170,672	1,714,539	23
Total . . .	184,474	3,636,967	487,765	4,124,732	22

The total population in 1884 was 3,817,306. The Civil territory is constantly increased in area by taking in sections of the Military Territory. Of the population in 1886, 2,014,013 were males and 1,791,671 females. In 1884 the marriages among whites were 3,543, the births 15,618, and deaths 13,123, showing an excess of 2,495 births over deaths. In 1891, of the total population, there were 267,672 of French origin or naturalisation, 47,459 naturalised Jews, 3,559,687 French indigenous subjects, Moroccans 14,645, besides Tunisians, Spaniards, Italians, Anglo-Maltese, and Germans.

The population of the city of Algiers in 1891 was 82,585; Oran, 74,510; Constantine, 46,581; Bône, 30,806; Tlemçen, 29,544; Ghardaja, 28,782; Tizi-Ouzou, 26,007; Mustapha, 24,349; Blidah, 23,686.

### Religion and Instruction.

The native population is chiefly Mussulman. The grants for religious purposes provided for in the budget of 1895 were: to Catholics 807,200 francs, Protestants 94,500 francs, Jews 25,570 francs, Mussulmans 310,430 francs; total 1,237,700 francs.

There is an Academy at Algiers. In 1888–89 there were 1,876 pupils at the 4 lycées of Algiers, Oran, and Constantine; 8 communal colleges with 1,015 pupils, and one college for girls at Oran with 98 pupils; in 1889, 958 (113 private, mostly clerical) primary schools, with 78,001 pupils; and 154 infant schools, with 24,354 pupils. There are 76 public primary schools for the natives with 8,963 pupils (910 girls). Of the total children of school age (6–13), 611,720 receive no instruction; of these 535,389 were Mussulmans. The budget for 1895 provided for an expenditure of 6,055,918 francs on Instruction in Algeria.

### Crime.

Before the Assize Courts in 1888, 498 persons were convicted of crime; before the correctional tribunals, 12,109 (4,236 to fines); before the police courts, 52,494 (45,263 to fines). For the maintenance of order there are 1,271 gendarmes, 74 police commissaires, 814 police agents, 329 *maires*, 2,603 police officials of various kinds, and 1,061 custom-house officers.

### Finance.

The receipts of the Government are derived chiefly from direct taxes, customs, and monopolies. The natives pay only direct taxes. The budget for 1893 estimated the revenue at 48,291,000 francs, and the expenditure at 70,467,000 francs, the departments of Public Debt, War, and Marine being excluded from the estimates. The revenue and expenditure according to the budget for 1895 were :—

Revenue		Expenditure	
	Francs.		Francs.
Direct Taxes . . . . .	13,160,531	Ministries :	
Customs . . . . .	11,440,500	Justice . . . . .	2,747,450
Other Indirect Taxes . . . . .	11,689,150	Interior . . . . .	11,726,837
Monopolies . . . . .	5,148,600	Instruction, Worship . . . . .	7,382,018
Domains and Forests . . . . .	3,096,300	Agriculture . . . . .	1,841,190
Various . . . . .	902,200	Public Works . . . . .	33,252,000
Receipts <i>d'ordre</i> . . . . .	3,245,700	Others . . . . .	691,540
		Régie and Tax-collecting . . . . .	15,208,007
		Repayments, &c. . . . .	1,002,800
Total . . . . .	48,582,981	Total . . . . .	73,851,842

### Defence.

The military force in Algeria constitutes the 19th Army Corps ; in time of war it can be divided into two. It consists of 53 battalions of infantry, 52 squadrons of cavalry, 16 batteries of artillery, and a due proportion of other subsidiary branches—in all about 54,000 men and 15,000 horses. The strictly local forces consist of 4 regiments of 'Zouaves,' 3 regiments of 'Tirailleurs indigènes,' 3 battalions of 'Infanterie légère d'Afrique,' and 2 foreign legions ; of these the Tirailleurs or Turcos only are native. There are also 3 regiments of Spahis, corresponding closely to the Indian irregular cavalry.

### Industry.

A great part of the land of Algeria is held undivided by Arab tribes by the tenure called 'arch' or 'sabega.' Freehold property, "melk," is not common. Most of the State lands have, under various systems, been appropriated to colonists. The population engaged in agriculture in 1893 was 3,477,150, about 200,160 being Europeans. About 20,000,000 hectares are occupied by the agricultural population. The principal crops and the area cultivated in 1891-92 are shown in the following table :—

Crop	Quantity	Area, hectares
Wheat . . . . . (metric quintals)	5,437,416	1,282,467
Barley . . . . .	8,178,690	1,442,522
Other cereals . . . . .	661,923	94,616
Beans . . . . .	177,276	49,409
Potatoes . . . . .	189,189	7,999
Wines (1892) . . . . . (hectolitres)	3,002,078	111,879

In 1894, 114,887 hectares were under vines, and the yield was 3,642,479 hectolitres.

Alfa grass is a natural product of the country, and extensively collected. Less important agricultural industries are the cultivation of olives (6,500,000 grafted trees), tobacco, flax, colza and other oil seeds, cotton, ramie and silk.

There are 3,247,692 hectares under forest, nearly one-fourth being in remote districts and unworked. Of the remainder 1,754,256 hectares belong to the State, 78,685 hectares to communes, and 468,395 hectares to private persons. Of the forest area much is so only in name, and the value of the total produce is small. In 1893 there were in Algeria 371,122 horses and mules, 259,094 camels, 1,233,051 cattle, 9,375,895 sheep, and 3,709,600 goats. The total animal stock amounted to 15,435,427, of which 14,724,790 belonged to natives.

In 1889, 2,710 persons were employed in mines; 351,800 tons of iron ore were produced, worth 2,457,190 francs; 22,336 tons of other ores (blende, galena, copper, silver), to the value of 1,426,475 francs.

In 1893-94 the recently discovered phosphate deposits were vigorously worked.

**Commerce.**

The commerce of Algeria, like that of France, is divided into general (total imports and exports), and special (imports for home use and exports of home produce). The former was as follows, 1893 (in francs):—

	Imports from	Exports to
France . . . . .	184,754,222	148,414,861
Foreign countries and French colonies . . . . .	54,944,163	44,213,270
<b>Total . . . . .</b>	<b>239,698,385</b>	<b>192,628,131</b>

The total special commerce was as follows for five years (in francs):—

Years	Total		Foreign Countries and French Colonies	
	Imports	Exports	Imports from	Exports to
1889	237,417,000	229,789,000	58,754,000	29,229,000
1890	260,090,131	260,099,131	65,226,032	40,428,500
1891	269,021,767	222,844,445	61,929,108	36,142,062
1892	239,757,317	233,076,538	50,118,183	32,885,498
1893	231,406,103	175,892,803	46,651,881	27,477,942

The special trade of France with Algeria, and of Algeria with various foreign countries in 1893 was:—

	Imports from	Exports to		Imports from	Exports to
	Francs	Francs		Francs	Francs
France . . . . .	184,754,222	148,414,861	Morocco . . . . .	6,837,408	519,708
Tunis . . . . .	4,025,237	1,766,426	Turkey . . . . .	898,780	66,249
Russia . . . . .	3,885,185	992,067	Belgium . . . . .	212,970	4,041,064
Great Britain . . . . .	3,851,730	9,137,931	United States . . . . .	2,031,246	507,296
Spain . . . . .	4,937,193	2,689,058	Austria . . . . .	986,893	219,223
Italy . . . . .	851,225	2,718,306	Netherlands . . . . .	59,400	1,110,976

The principal imports into France in 1893 were: cereals, 23,387,798 francs; wines, 54,048,132 francs; animals, 22,489,794 francs; wool, 13,867,281 francs. The chief exports from France were: cotton goods, 23,252,163

frances; leather goods, 9,347,856 francs; metal goods, 7,357,533 francs; haberdashery, 9,501,138 francs. The subjoined statement shows the commerce of Algeria with Great Britain and Ireland in each of the last five years.

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into United Kingdom from Algeria . . . . .	658,082	890,612	673,970	674,087	477,854
Exports of British produce to Algeria . . . . .	286,418	329,876	387,086	333,774	225,444

The most important articles of import into Great Britain in 1893 were: esparto and other fibres, for making paper, of the value of 290,009*l.* (including rags); iron ore, of the value of 78,122*l.*; cork, 28,770*l.*; barley, 15,286*l.*; copper ore, 8,035*l.* The British exports to Algeria consist principally of cotton fabrics and coal, the former of the value of 33,193*l.*, and the latter of 162,637*l.*, in the year 1893.

### Shipping and Communications.

In 1893, 3,389 vessels, of 1,996,599 tons, entered Algerian ports from abroad, and 3,367, of 2,012,585 tons, cleared; of the vessels entered, 2,014, of 1,255,841 tons, belonged to France, and 572, of 432,360 tons, belonged to Great Britain. There is also a very large coasting trade. On January 1, 1893, the mercantile marine of Algiers consisted of 626 vessels, of 9,504 tons.

In 1893 there were 1,956 English miles of railway open for traffic, including the Tunisian extension of 140 miles. The total receipts in 1893 amounted to 22,951,307 francs.

The postal and telegraph revenue for 1892 was 4,123,834 francs, and the expenditure 4,015,756 francs. There were 461 post offices.

In 1891 there passed through the post office, in the internal service 11,162,729 letters, post cards, &c., and 9,334,341 packets of printed matter; and in the international service 651,942 letters and post cards, &c., and 375,940 packets of printed matter.

The telegraph of Algeria, including branches into Tunis, consisted in 1892 of 4,443 miles of line and 10,310 miles of wire, with 361 offices. The 'réseau algéro-tunisien' of telegraphs is worked by a private company subventioned by the French Government.

In the savings-banks of Algeria on December 31, 1889, there were 16,971 depositors; the amount due to whom was 4,865,593 francs, or an average of 286 francs to each.

*British Consul-General for Algeria.*—Lieut.-Col. Sir R. Lambert Playfair, K. C. M. G.

*Vice-Consul at Algiers.*—

### Money, Weights, and Measures.

The money, weights, and measures of France only are used.

### Statistical and other Books of Reference concerning Algeria.

#### 1. OFFICIAL PUBLICATIONS

Annuaire administratif de l'Algérie. 16. Annual. Alger.

Annuaire général de l'Algérie, sur des documents officiels. 8. Paris.

Annuaire statistique de la France. Paris.

Journal officiel.

Exposé de la situation générale de l'Algérie. 1892.

Tableau de la situation des établissements françaises. 19 vols., 4to, from 1838 to 1866: the continuation bears the title 'Statistique générale de l'Algérie,' published every two or three years.

Reports by the Commission d'Étude des Questions Algériennes:—Dépositions du 1 Mai au 20 Juillet, 1891; Report by M. Combes on the primary instruction of the natives; Report on the Bank of Algeria; Report by Jules Ferry on the Government of Algeria; Report by M. Clamageran on the fiscal régime of Algeria; Report by Jules Guichard on the Régime Forestier of Algeria. Paris, 1892.

Foreign Office Reports. Annual Series. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

*Bridgman* (F. A.), Winters in Algeria. 8. New York, 1890.

*Duval* (Jules), L'Algérie et les colonies françaises. 8. Paris, 1877.

*Estournelles de Constant* (Baron P. de), Les Congrégations religieuses chez les Arabes et la Conquête de l'Afrique du Nord. 12. Paris, 1887.

*Fillias* (A.), L'Algérie ancienne et moderne. 12. Alger, 1875.

*Gaffarel* (P.), L'Algérie: histoire, conquête, colonisation. Paris, 1883.

*Harris* (George W.), Practical Guide to Algiers. 4th ed. 8. London, 1893.

*Laveleye* (Emile de), L'Algérie et Tunisie. Paris, 1887.

*Maltzan* (Heinr. Freiherr von), Drei Jahre im Nordwesten von Afrika: Reisen in Algerien und Marokko. 4 vols. 8. Leipzig, 1869.

*Pease* (A. E.), Biskra and the Oases and Desert of the Zibans. London, 1893.

*Playfair* (Sir R. L.), Handbook (Murray's) of Algeria and Tunis. London, 1891. The Scourge of Christendom. 8. London, 1884. Bibliography of Algeria, published by the Royal Geographical Society. London, 1888.

*Praz* (V.), Étude sur la Question Algérienne. 8. Bône, 1892.

*Reclus* (Elisée), Géographie universelle. Tome XI. L'Afrique septentrionale. Paris, 1886.

*Rinn* (L.), Histoire de l'Insurrection de 1871 en Algérie. 8. Alger, 1891. Marabouts et Khouan: Etude sur l'Islam en Algérie. 8. Paris, 1884.

*Sabatier* (C.), Touat, Sahara et Soudan. Paris, 1891.

*Sautayra* (E.), *Hugues* (H.), et *Lapra* (P.), Législation de l'Algérie. 2 vols. Paris, 1883-84.

*Shaw* (Thomas, D. D., &c.), Travels or Observations relating to several Parts of Barbary and the Levant. Oxford, 1838-46.

*Tchihatcheff* (M.), L'Algérie et Tunis. Paris, 1880.

*Vignon* (L.), La France en Algérie. 8. Paris, 1893.

*Villot* (Capitaine), Mœurs, coutumes et institutions des indigènes d'Algérie. 12. Paris, 1872.

## FRENCH CONGO AND GABUN.

The French Congo and Gabun region is one continuous and connected territory. The right bank of the Congo from Brazzaville to the mouth of the Mobangi is French, and north to 4° N., and along the north bank of the Mobangi to the boundary of the British sphere. According to the agreement with Germany in 1894, French territory runs northward behind the Cameroons and along the east of the Shari to Lake Chad. An almost straight line to the coast along the second degree N. embraces the Gabun. The total area is 300,000 square miles. There are twenty-seven stations established in this region, on the coast, the Congo, and other places, eleven of them being on the Ogové. The number of the native population is estimated at 6,900,000; there are 300 Europeans besides the garrison. The country is covered with extensive forests. The only exports are the natural products—caoutchouc, ivory, ebony, santal wood, palmettos, palm-oil, and gum copal. In 1891, the oils and gums exported amounted to 1,375,165 francs. According to a report in 1893 by a delegate of the Marseilles Chamber of Commerce to the Congo, the exports from the colony amount to between seven and eight million francs, and the imports to about three million francs. The only roads are native footpaths. There are eight schools for boys and two for girls, with 400 pupils. Post offices, 25; letters, &c., transmitted (1891), 178,460. Local budget, 1893, 2,392,846 francs; expenditure of France (budget of 1895), 1,862,270 francs.

## MADAGASCAR.

### Reigning Sovereign.

**Queen Ranavalona** (or Rànavàlona) **III.**, born in 1861 ; appointed successor by the late Queen Rànavàlona **II.**, succeeded to the throne on her death, July 13, 1883 ; shortly after married the Prime Minister, Rainilaiàrivòny, and was crowned November 22.

### Government.

Madagascar began to be of commercial importance to Europe about the year 1810, when Radàma I. succeeded in reducing a large part of the island to the sway of the sovereigns of the Hova, the most advanced, though probably not the most numerous, of the various Malagasy races. His widow, Queen Rànavàlona I., obtained the sovereign power in 1829, and until her death, in 1861, intercourse with foreigners was discouraged. She was succeeded by Radàma II., and he by his wife Ràsohèrina, on whose death, in 1868, Rànavàlona II. obtained the throne. The present queen is great-grand-daughter of Rahèty, sister of King Andrianampòinimèrina (1787-1810). At various periods, 1820, 1861, 1865, and 1868, treaties have been concluded with Great Britain, the United States, and France. By a treaty signed at Tamatave, December 12, 1885, a French Resident-General, with a small military escort, resides at the capital, and the foreign relations of the country are claimed to be regulated by France, which occupies a district around the Bay of Diego-Suarez as a colony (see p. 520). By the Anglo-French Agreement of August 5, 1890, the protectorate of France over Madagascar was recognised by Great Britain ; but the Native Government steadily refuses to recognise any protectorate by France, and will not issue any *executatur* to foreign consuls through the French resident. The native Government retains absolute independence in all domestic legislation and control of the other tribes of the country.

The government is an absolute monarchy, modified and tempered by customs and usages having the force of law ; and during the last quarter of a century the power of the Sovereign has been gradually limited and controlled. The Sovereign is advised by her Prime Minister, who is the real source of all political power ; he is assisted by a number of ministers, who act as heads of departments—Education, Justice, the Interior, Foreign Affairs, &c.—but these are only deputies of the Prime Minister, and can originate nothing without his permission. The succession to the Crown is hereditary in the royal house, but not necessarily in direct succession ; the reigning Sovereign may designate his or her successor.

At a large number of the chief towns of the interior, and at all the ports, governors are placed by the central Government, and these are all directly responsible to the Prime Minister. The number of these governors has been greatly increased during the last two or three years. With regard to local matters, these are still much under the control of the heads of tribes, and on any important occasion public assemblies of the whole people are called together to consult. Although these have no defined authority, the opinion of the majority has a distinct weight and influence. Among the Bètsiléò and other subject tribes, the representatives of the old chiefs are still held in much honour, in almost idolatrous reverence, by the people.

### Area and Population.

Madagascar, the third largest island in the world (reckoning Australia as a continent), is situated on the south-eastern side of Africa, from which it is separated by the Mozambique Channel, the least distance between island and continent being 230 miles ; total length, 975 miles ; breadth at the broadest point, 358 miles.



The area of the island, with its adjacent islands, is estimated at 228,500 square miles, and the population, according to the most trustworthy estimates, at 3,500,000; other estimates vary from 2,500,000 to 5,000,000. No census has ever been undertaken by the native Government, and it resents any attempt to do so by foreigners. It is therefore only by vague and uncertain estimates that any idea can be formed of the population, either of the island as a whole or of that of particular districts. There are reasons for thinking that the population of Imèrina was decreasing during the sanguinary reign of Queen Rànavałona I. (1828-1861); it is, however, believed that the population is now slowly increasing in consequence of the spread of education, civilisation, and Christian teaching. The female population seems in excess of the male. A number of foreign residents live on the coasts, chiefly Creoles from Mauritius and Réunion, mostly English subjects. The most powerful, intelligent, and enterprising tribe is the Hova, whose language, allied to the Malayan and Oceanic tongues, is understood over a large part of the island, and who have been dominant for the last fifty years. The only unsubdued territories are in the south and south-west, but steps have been taken to bring them into subjection. The people are divided into a great many clans, who seldom intermarry. The Hovas are estimated to number 1,000,000; the other races, more or less mixed, are the Sakalavas in the west, 1,000,000; the Bètsilèos, 600,000; Bàra, 200,000; Bètsimi-sàraka, 400,000; other southern tribes, 200,000. In the coast towns are many Arab traders, and there are besides many negroes from Africa introduced as slaves. The capital, Antanànarivo, in the interior, is estimated to have, with suburbs, a population of about 100,000. The principal port is Tamatave, on the east coast, with a population of 10,000. Mojangà, the chief port on the north-west coast, has also about 10,000 inhabitants. Slavery exists in a patriarchal form.

### Religion, Education, Justice.

A large portion of the Hova and of the other tribes in the central districts have been Christianised, and Christianity is acknowledged and protected by the Government. There is no State Church, although the Queen and principal officers of government are connected with the churches formed by the London Missionary Society, which comprise the vast majority of the professing Christians of the country. These are not dependent on Government except to a small extent. The system of Church polity, which has slowly developed itself, is rather a combination of Independency, Presbyterianism, and Episcopacy. No State aid is given to religion or to education, except in freeing recognised pastors and teachers from compulsory Government service. An Anglican mission works chiefly on the east coast, with a bishop and cathedral at Antanànarivo. A Roman Catholic bishop is also stationed at the capital. There are about 40 missionaries of the L.M.S. in Madagascar, 16 of the Friends' Mission, 13 of the Anglican Mission, 60 of the Norwegian Lutherans, 6 of the United Lutheran Church of America, and about 70 priests and brothers of the R.C. Mission, as well as 24 sisters of mercy. The L.M.S. Mission has about 750 native pastors, and about 100 evangelists or native missionaries stationed in various parts of the country, many of them in quite heathen districts. There are about 450,000 Protestants, and about 50,000 Roman Catholics. Three-fifths of the Malagasy are still pagans.

Schools have been established, and education is compulsory wherever the influence of the central Government is effective. All the Missionary Societies at work in Madagascar have colleges and high schools, the latter both for boys and girls, in all of which education is given freely, with but nominal

charges for books, &c. Almost every congregation, except the smallest and weakest, has its school. The L.M.S. has also an industrial school for teaching handicrafts. Hospitals, leper asylums, and medical schools are connected with the L.M.S., Friends', Lutheran, and Anglican Missions, and there are now a number of trained native doctors and surgeons. It is estimated that there are about 1,800 schools, and about 170,000 children under instruction, but it is difficult to get the statistics of the Roman Catholic Mission.

The production of books is as yet almost entirely confined to the printing offices of the different Missionary Societies at work in the island. Each of these has a press, from which works chiefly educational and religious are constantly being issued. Excluding pamphlets and lesser publications, about 450 separate works have been issued from the various presses, with an aggregate number of 50,000 pp. Half of these are L.M.S., and a fourth Friends' publications. Six monthly magazines, three weekly newspapers, and a Government gazette at irregular intervals, comprise the periodical literature of Madagascar. The yearly issues of the L.M.S. press from 1870 to 1880 averaged 150,000 copies of various publications, and those of the Friends' press about 67,000 copies.

Judges are appointed by the Sovereign, and a code of laws was printed in 1881. Justice is dispensed in a simple form by local authorities, but there are no statistics available showing crime. Owing to the increasing pressure of forced Government service and the levies of soldiers, there has of late been an alarming increase in crimes of violence, and an increasing number of banditti in large armed bands, who have desolated some parts of the country.

A Bill establishing French tribunals in Madagascar, with jurisdiction in all cases affecting Europeans, was passed by the French Chamber on March 12, 1891. The Hova Government is, however, opposed to these claims, and no attempt has yet been made to carry them into effect.

### Finance.

The chief source of revenue is the customs, and a small poll tax is paid; and during the last two or three years considerable sums have been obtained from the royalties paid by gold miners and from licenses to dig for gold; but the personal service which every Malagasy has to render is the mainstay of the Government. The only fixed payments are those made to the Queen, the Prime Minister, and the Army. In 1886 the Malagasy Government borrowed from the Paris Comptoir d'Escompte a sum of 15 million francs, of which 10 million went to pay the indemnity to France. No statistics of public revenue are obtainable.

### Defence.

The standing army is estimated to consist of 20,000 men, most of whom are now armed with modern rifles. The regular army, organised on the European system, consists of 6 battalions of infantry, 6,600 men, armed with the snider rifle; 2 batteries of 7-pr. mountain guns, 4 guns (on war-footing 6); 2 batteries of 5-barrelled gardeners, 6 guns; 6 batteries of gatling guns; the artillery force comprising 1,400 men. Three English officers are employed to train cadets. There is no cavalry force. There are two gunboats purchased from the French Government. During the former French invasion the number of men mobilised exceeded 50,000.

### Production and Industry.

Of minerals, gold, copper, iron, lead (galena), sulphur, graphite, and a lignite have been found. The yield of gold has increased very considerably within the last few years, and so also has that of copper. It seems probable that many parts of the island are very rich in valuable ores. Cattle breeding

and agriculture are the chief occupations of the people ; rice, sugar, coffee, cotton, and sweet potatoes being cultivated. The forests abound with many valuable woods, while tropical and sub-tropical products are plentiful. Concessions of forest land on the east coast have been made to European companies, who are now felling the valuable timber and planting on the cleared ground. Silk and cotton weaving are carried on, and the manufacture of textures from the *rosia* palm fibre, and of metal-work. At present, however, no machinery is used for the making of textile fabrics. All are literally *manufactures*, and carried on by the simple spindle and loom in use from a very remote period. And so with the manufacture and working of iron and other metals.

### Commerce.

The chief exports are cattle, india-rubber, hides, horns, coffee, lard, sugar, vanilla, wax, gum, copal, rice, and seeds. The chief imports are cotton goods, rum, crockery, and metal goods. The trade is chiefly with Mauritius, Réunion, Great Britain, and France ; there has also been recently considerable and increasing trade with the United States. A French return gives the imports at Tamatave in 1890 as 4,121,069 francs, and the exports as 2,353,949 francs. The chief imports were tissues, 2,728,184 francs ; liquids and alimentary substances, 656,643 francs ; clothes, 107,433 francs ; and the chief exports caoutchouc, 1,011,339 francs ; hides, 588,467 francs ; wax, 235,224 francs ; oxen, 169,550 francs ; *rafia*, 145,062 francs. In 1884 the value of the imports into Great Britain from Madagascar was 15,229*l.* ; in 1891, 118,827*l.* ; in 1892, 120,610*l.* ; in 1893, 124,816*l.* ; and exports from Great Britain to Madagascar 1,412*l.* in 1884 ; 117,391*l.* in 1891 ; 87,471*l.* in 1892 ; 96,708*l.* in 1893. The imports from Madagascar were, in 1893, caoutchouc, 80,210*l.* ; hemp, 15,081*l.* ; wax, 9,420*l.* ; the exports to Madagascar, cottons, 53,628*l.* in 1893.

### Shipping and Communications.

There are as yet no roads in Madagascar in the European sense of the word—only rough paths from one part of the country to the other—and no beasts or wheeled vehicles are employed. All passengers and goods are carried on the shoulders of *màromita* or bearers, except where the rivers or coast lagoons allow the use of canoes made of the hollowed-out trunk of a large tree. On the coast outrigger canoes are employed, and also *built* boats with the planks tied together (on the south-east coast). A considerable traffic is carried on on the west coast by Arab dhows. Turtle fishing is practised by the *Sakalava* on the west coast.

No Government post-office exists, but postal communication is kept up by the consular officers of the English and French Governments. An electric telegraph, made by a French company, connects Tamatave and the capital, and this is to be taken over by the native Government after a certain period. It is about 180 miles in length.

### Money and Banks.

The Comptoir National d'Escompte de Paris has an agency at Antananarivo and Tamatave.

The only legal coin is the silver 5-franc piece, but the Italian 5-lire piece and Belgian, Greek, and other coins of equal value are also in circulation. For smaller sums the coin is cut up into fractional parts, and weighed as required.

### Consular and other Representatives.

#### 1. OF MADAGASCAR IN GREAT BRITAIN.

*Consul in London.*—S. Procter.

## 2. OF GREAT BRITAIN IN MADAGASCAR.

*Consul at Tamatave.*—Anatole Sauzier (acting consul and judicial vice-consul).

*Vice-Consul at Antananarivo.*—T. P. Porter (acting).

*Vice-Consul at Mojangà.*—Stratton Knott.

## 3. OF FRANCE IN MADAGASCAR.

*Resident-General at Antananarivo.*—Residents at Mojangà on the West Coast; at Fianarantsoa, in the Betsiléon country; and at Tamatave; and agents at Nossi-Bé and Mananjàra.

**Statistical and other Books of Reference concerning Madagascar.**

## 1. OFFICIAL PUBLICATIONS.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. London, 1894.

Correspondence respecting Treaty of December 17, 1885, between France and Madagascar. London, 1886.

Report of Rear-Admiral W. Gore Jones, C.B., on a visit to the Queen of Madagascar. London, 1883.

Treaty concluded between France and Madagascar, August 8, 1868. London, 1883.

## 2. NON-OFFICIAL PUBLICATIONS.

Antananarivo Annual, 1875-94.

Beiträge zur Kenntniss Madagaskars. Berlin, 1883.

*Combette* (M.), Madagascar, étude géographique et commerciale. 'Annales de l'Extrême Orient.' October, 1889.

*Drury* (Robert), Journal of Fifteen Years' Captivity. With Notes by S. P. Oliver. 8. London, 1890.

*Ellis* (Rev. W.), History of Madagascar, 2 vols. London, 1838. Three Visits to Madagascar. London, 1858. Madagascar Revisited. London, 1867.

*Grandidier* (A.), Histoire physique, naturelle et politique de Madagascar. Paris, 1876. (In 28 4to. volumes, with many hundred plates, still in progress.)

*Guillain* (Captain), Documents sur l'histoire, la géographie et le commerce de la partie occidentale de Madagascar. Paris, 1845.

*Hartmann* (Robert), Madagascar und die Inseln Seychellen, &c. In vol. lvii. of Das Wissen der Gegenwart. Leipzig, 1886.

*Leroy* (L.), Les Français à Madagascar. Paris, 1883.

*McLeod* (J. L.), Madagascar and its People. London, 1865.

*Mullens* (Rev. Dr. J.), Twelve Months in Madagascar. London, 1875.

*Oliver* (S. P.), Madagascar and the Malagasy. London, 1866. Madagascar. 2 vols. London, 1886. The True Story of the French Dispute in Madagascar. 8. London, 1885.

*Pfeiffer* (Ida), Visit to Madagascar. London, 1861.

*Pollen* and *Van Dam*, Recherches sur la Faune de Madagascar. 5 vols. 4to. Leyden, 1868.

*Shaw* (Rev. G. A.), Madagascar of To-day. 12. London, 1886.

*Sibree* (Rev. James), Madagascar and its People. London, 1870. The Great African Island. London, 1880. Art. 'Madagascar,' *Encycl. Brit.* 9th ed. 1883, Art. 'Madagascar,' *Chambers Encycl.* 1890.

*Vaissière* (Père), Histoire de Madagascar: ses habitants et ses missionnaires. 2 vols. Paris, 1884.

The following possessions in, or in the neighbourhood of, Madagascar belong to France:—

**DIÉGO-SUAREZ, NOSSI-BE, ST. MARIE.**

**Diégo-Suarez**, a territory of still undefined extent, on a bay of the same name at the northern extremity of Madagascar, is held by the French in accordance with a treaty of December 17, 1885. At the census of 1887 the population (including the garrison) was 4,567. The native population is

stated to have increased from 3,000 in 1887 to about 8,000 in 1889. The chief town of the colony is Antsirame. The commerce is unimportant. Local budget (1894): income and expenditure, 128,410 francs. Expenditure of France (budget of 1895), 2,872,425 francs. In 1888 the colonies of Nossi-Bé and Ste. Marie were, for administrative purposes, made dependencies of Diégo-Suarez.

**Nossi-Bé Island**, close to west coast of Madagascar, with an area of 113 square miles, has 7,803 inhabitants, chiefly Malagasy and Africans. Chief productions, sugar-cane, coffee, and rice. Local budget (1894), 207,000 francs; expenditure of France (budget of 1895), 71,175 francs.

**St. Marie**, on the north coast of Madagascar, was taken by France as early as 1643. It covers 64 square miles; population, 7,667; chief export, cloves. Local budget (1894), 90,000 francs; expenditure of France (budget of 1895), 35,000 francs.

### MAYOTTE AND THE COMORO ISLANDS.

The island of Mayotte (149 square miles) has a population (1889) of 12,270 inhabitants. The chief production is cane-sugar; it has 11 sugar works and distilleries.

The Comoro Islands, situated half-way between Madagascar and the African coast, consist of 4 larger and a number of smaller islands. They were taken under French protection in 1886. The population is estimated at 47,000, chiefly Mussulmans.

The local budget of Mayotte (1894) amounted to 257,800 francs; expenditure of France (budget of 1895), 97,195 francs.

### RÉUNION.

Réunion, about 420 miles east of Madagascar, has belonged to France since 1764. It is represented by a senator and two deputies. It has an area of 965 square miles and population (1892) of 171,731 (23,161 British Indians, 5,617 natives of Madagascar, 9,769 Africans, 412 Chinese). The towns are under the French municipal law. The chief port, Pointe-des-Galets, is connected by a railway of 78 miles with St. Benoît and St. Pierre. The chief productions are sugar-cane (38,402 tons of sugar exported in 1892), coffee, cacao, vanilla, spices. In 1887 the live stock on the island was 2,511 horses, 7,552 mules, 8,402 oxen, 15,580 sheep, and 12,392 goats. Imports in 1892, 22,240,000 francs; exports, 15,734,800 francs. Shipping entered (1892), 127 vessels of 131,724 tons; cleared, 107 of 133,810 tons. The local budget for 1894 showed income, 4,543,522 francs; expenditure, 4,511,028 francs. The expenditure of France (budget 1895) was 4,946,747 francs.

**St. Paul** and **Amsterdam** are small islands in the Indian Ocean, ceded by Great Britain to France in 1892.

**Kerguelen**, a desolate island, about 50 S. lat. and 70 E. long, was annexed by France in 1893.

### OBOCK.

Is a French colony on the Red Sea coast of Africa, on the Gulf of Aden, and including the Bay of Tajurah. The territory embraces 3,860 square miles, with a population of 22,370. There is a trade with Shoa and other countries in the interior. The expenditure of France for Obock in the budget of 1895 amounts to 631,450 francs.

**SENEGAL, FRENCH SOUDAN, FRENCH GUINEA, & DEPENDENCIES.**

With the exception of the British colonies of Gambia, Sierra Leone, and the Gold Coast, Portuguese Guinea, and Liberia, France claims the whole of West Africa from Cape Blanco to Togo Land, and inland to the Upper and Middle Niger, and considerable areas to the east of the Upper Niger, including the Kingdom of Kong and neighbouring territories. By the Anglo-French arrangement of August 5, 1890, Great Britain recognises as within the French sphere of influence the whole region to the south of Tunis and Algeria north of a line from Say, on the Middle Niger, to Barraua, on Lake Chad, including all the territories which belong to Sokoto. The line dividing French territory from British in the region included in the bend of the Niger has not been agreed upon. The French Sahara may embrace about one million square miles, mostly desert. Several railway projects from Algeria to the Niger are under consideration. The total area claimed by France in West Africa is about 550,000 square miles. It is divided into Senegal, French Soudan, and French Guinea and Dependencies (including Rivières du Sud). Within Senegal and Rivières du Sud there are—(1) countries occupied, (2) countries annexed, (3) countries protected. The first are divided into communes and territories, the former being St. Louis, Dakar, Rufisque, and the island of Goree, and the latter being various stations and ports in the coast region and up the Senegal, and the districts around within range of cannon-shot. The annexed countries are Walo, Northern Cayor, Toro, Dimar, and Damga.

**Senegal** proper (the colony) includes several stations on the river as far as Matam, with a certain area of land around each, and the coast from the north of Cape Verd to Gambia in the south. These, with the settled portion of Rivières du Sud, embrace over 14,700 square miles, with a population of 174,000, of whom 135,000 are in Senegal. But included in Senegal and Rivières du Sud are various protected states, which give a total area of 54,000 square miles, with a population in 1891 of 1,100,000. There is a Governor-General in Senegal, assisted by a Colonial Council. There are 2,168 troops (including natives) with 82 officers. The chief town of Senegal is St. Louis; population, 20,000. Dakar (population, 2,000) is an important centre. The colony is represented by one deputy. At high water the Senegal is navigable for small vessels into the interior. In 1892 there were 246 miles of railway, 574 miles of telegraph line, 1,022 miles of wire, and 21 telegraph offices. Fruits and grains (5,655,780 francs in 1890), oils and gums (3,647,000 francs), india-rubber, woods, and skins are the chief exports; foods, drinks, and textiles (4,624,185 francs in 1890) are the chief imports. Local budget for 1894, 3,694,130 francs; expenditure of France (budget for 1895), 6,125,838 francs; debt, 517,657 francs.

The **French Soudan** includes the Upper Senegal, and all the countries in the Upper and Middle Niger, and the states which extend inland from Senegal and the Rivières du Sud. It is divided into annexed territories and protectorates. The annexed territories, mostly in the Upper Senegal, embrace an area of 54,000 square miles, and a population of 360,000; the protectorates were estimated to have an area of 230,000 square miles, and a population of 2½ millions. The administration of the French Soudan is intrusted to a Superior Military Commandant, who resides at Kayes, in the Senegal, under the authority of the Governor of Senegal. There is a railway from Kayes to Bafoulabe, 94 miles, which it was originally intended to carry on to the Niger. The local revenues amount to about 400,000 francs yearly. According to the budget for 1895, the annual cost to France of the occupation of the French Soudan is 9,384,622 francs. The amount of the local budget for 1893 for the army is 728,457 francs.

**French Guinea and Dependencies.**—On January 1, 1890, the territory on the coast from 11° to nearly 9° N. (except the Los Islands, which belong to Great Britain), and inland along and between the rivers as far as the Fouta Djallon, was detached from Senegal and formed into a separate colony under the name of Rivières du Sud, with Conakry, on the isle of Tombo, for its capital. The population of the colony proper (the coast region) is given as 47,541. With it were united, January 1892, for administrative purposes the French settlements on the Gold Coast and on the Bight of Benin, the whole being known officially as French Guinea and Dependencies. Within the Gold Coast settlements are Grand-Bassam, Assinie, Grand-Lahou, and Jackeville; the Benin settlements contain Porto-Novo, Kotonu, Grand-Popo, and Agoué. For Kotonu and Porto-Novo France pays an annuity of 2,000 francs to the King of Dahomey. The total area of the Gold Coast and Benin Settlements is given at 25,000 square miles (which includes protectorates, as only a few stations are in actual possession), and the united colonial population at 772. In 1891 France took possession of the strip of coast (about 100 miles on the Ivory Coast) between her Gold Coast Settlements and Liberia. The expenditure of France for French Guinea and Dependencies (budget of 1895) was 933,675 francs. The local budgets were: French Guinea (1894), 547,500 francs; Benin settlements (1893), 1,032,700 francs; Ivory Coast (1893), 910,000 francs.

### References concerning French Soudan, &c.

- Binger* (G.), *Du Niger au Golfe de Guinée*. 2 vols. 8. Paris, 1892.  
*Cat* (Edouard), *A travers le Désert*. 8. Paris, 1892.  
*Chandouin*, *Trois mois de captivité au Dahomey*. 16. Paris.  
*Follie* (L. G.), *Voyage dans les Déserts du Sahara*. 8. Tours, 1892.  
*Gallienne* (Col.), *Deux Campagnes au Soudan français*. 8. Paris, 1891.  
*Reclus* (E.), *Nouvelle Géographie Universelle*. Vols. XI. XII. XIII. 8. Paris, 1886-88.  
*Victor* (N.), *L'Expédition du Dahomey en 1890*. 2nd ed. 8. Paris, 1893.  
*Vigné d'Octon* (P.), *Terre de Mort: Soudan et Dahomey*. 8. Paris, 1892.

## TUNIS.

(AFRIKIJA.)

### Bey.

**Sidi Ali**, son of Bey Sidy Ahsin; born October 5, 1817; succeeded his brother, Sidi Mohamed-es-Sadok, October 28, 1882.

The reigning family of Tunis, occupants of the throne since 1691, descend from Ben Ali Turki, a native of the Isle of Crete, who made himself master of the country, acknowledging, however, the suzerainty of the Sultan of Turkey, in existence since 1575. Sidy Ahsin obtained an imperial firman, dated October 25, 1871, which liberated him from the payment of tribute, but clearly established his position as a vassal of the Sublime Porte.

### Government.

After the French invasion of the country in the spring of 1881, the treaty of Kasr-es-Said (May 12, 1881), confirmed by decrees of April 22, 1882, placed Tunis under the protectorate of France. The French representative is called Minister Resident, and with two secretaries practically administers the government of the country under the direction of the French Foreign Office, which

has a special 'Bureau des Affaires Tunisiennes.' From January, 1884, French judges superseded the Consular Courts.

*French Resident-General*.—R. Ph. Millet.

The corps of occupation numbers about 11,300 men. The cost of maintaining this force is borne by the budget of the Republic.

### Area and Population.

The present boundaries are : on the north and east the Mediterranean Sea, on the west the Franco-Algerian province of Constantine, and on the south the great desert of the Sahara and the Turkish Pachalik of Tripoli ; and, reckoning its average breadth from west to east to be 100 miles, it covers an area of about 45,000 English square miles, including that portion of the Sahara which is to the east of the Beled Djerid, extending towards Gadamés. Population estimated at 1,500,000. The French population is stated (1891) at 42,177.

The majority of the population is formed of Bedouin Arabs and Kabyles.

The capital, the city of Tunis, has a population of from 100,000 to 145,000, comprising Moors, Arabs, Negroes, and Jews, with 20,000 Europeans. By means of the canal, which was opened in 1893, Tunis is directly accessible to ocean-going vessels.

There are (1888) 47 primary schools, with 7,300 pupils (of whom 2,450 are girls) ; budget expenditure (1892), 617,106 francs.

Since the occupation, Carthage has been erected into a Roman Catholic See. The Regency is administered ecclesiastically by the Archbishop of Algiers. The bulk of the population is Mohammedan ; 45,000 Jews, 35,000 Roman Catholics, 400 Greek Catholics, 250 Protestants.

### Finance.

The total revenue for 1893 was estimated at 26,299,517 francs, and the expenditure at 26,299,326 francs. The estimates for 1894 were :—

Revenue		Expenditure	
Francs		Francs	
Direct taxes . . . .	7,705,600	Finance . . . .	11,479,800
Customs, &c. . . .	7,617,400	Administration . . . .	3,055,620
Monopolies . . . .	5,103,300	Public works . . . .	4,561,600
State domain . . . .	1,102,100	Army . . . .	608,670
Various . . . .	997,600	Various . . . .	2,643,159
Total ordinary . . . .	22,426,300	Total ordinary . . . .	22,348,850
Exceptional . . . .	805,000	Exceptional . . . .	805,000
Total . . . .	23,231,000	Total . . . .	23,153,850

In 1884 the Tunisian debt was consolidated into a total of 5,702,000*l.* The loan was emitted as a perpetual 4 per cent. rente of 6,307,520 francs, or 252,300*l.*, divided into 315,376 obligations of a nominal capital of 500 francs. In 1888, the loan was converted into a 3½ per cent. loan, to be paid by annuities during 99 years, and in 1892 the 3½ per cent. redeemable debt was converted into a 3 per cent. loan.



### Industry.

The chief industry is agriculture. In 1890, wheat and barley occupied over 1,000,000 hectares, or one-sixth of the cultivated land; vineyards, 3,170 hectares, yielding 105,142 hectolitres (1891), mostly for local consumption. On December 31, 1889, the farm animals numbered 1,560,364, viz. :—horses, 31,185; asses and mules, 79,740; cattle, 156,552; sheep, 761,094; goats, 427,450; camels, 86,617; swine, 1,726.

The fisheries are mostly in the hands of Italians. They produced in 1893: sardines, 338,610 kilogrammes, value 84,410 francs; anchovies, 393,640 kilogrammes, value 247,740 francs; sponges and sepia, 1,444,850 francs.

### Commerce.

The amount and distribution of the foreign trade of Tunis for the last two years were :—

—	1892		1893	
	Imports	Exports	Imports	Exports
	Francs	Francs	Francs	Francs
France and Algeria	23,438,825	27,069,848	23,338,750	19,413,725
Great Britain and Malta . . . . .	5,766,763	3,568,357	5,220,075	3,078,450
Italy . . . . .	4,672,952	3,097,765	4,111,850	4,540,300
Austria . . . . .	1,591,467	73,932	1,246,600	147,475
Belgium . . . . .	1,096,689	317,673	998,125	465,825
Other countries . . . . .	2,755,917	3,074,929	3,467,825	2,039,550
Total . . . . .	39,322,622	37,202,504	38,383,225	29,685,325

In 1893 the chief imports were: cotton goods, 3,890,000 francs; groats, 4,142,900 francs; corn, 2,130,360 francs; flour, 1,107,621 francs; barley, 1,483,080 francs; sugar, 2,019,000 francs; timber, 1,053,547 francs; silk goods, 1,197,427 francs; metal goods, 2,401,070 francs. The chief exports were: Wheat, 5,005,000 francs; barley, 2,319,000 francs; olive oil, 3,049,000 francs; dried vegetables, 1,046,000 francs; wines, 1,125,000 francs; sponges, 1,265,000 francs; tan, 3,670,120 francs.

The commercial intercourse between Tunis and the United Kingdom in each of the last five years, according to the Board of Trade Returns, was as follows :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into United Kingdom from Tunis	115,491	246,718	204,211	131,858	84,705
Exports of British produce to Tunis . . . . .	88,231	164,617	174,745	111,298	112,999

The principal imports into Great Britain in 1893 were: esparto grass and other materials for making paper, of the value of 77,876*l*. The principal British export to Tunis consisted of cotton manufactures, of the value of 93,280*l*.

In the year 1893 there entered the 14 ports of the Regency 9,171 vessels of 1,828,998 tons; of these vessels 1,479 of 1,026,685 tons were French; 1,667 of 610,139 tons were Italian; and 139 of 86,368 tons were British.

Length of railways, 260 miles. Several new lines are projected.

There are over 2,000 miles of telegraphs; 46 post and telegraph offices.

## Money, Weights, and Measures.

### MONEY.

The coin formerly in use was the *Piastre*, of 16 *karubs*, average value 6*d.*

The legal coinage consists of pieces similar to the French, the pieces being coined in France.

In the Tunis Postal Savings Bank, which began in 1884, there was on December 31, 1893, 1,729,726 francs deposited by 1,914 depositors.

### WEIGHTS AND MEASURES.

The *Cantar*, of 100 *rottolos* . . . . . = 109·15 pounds.  
 ,, *Kaffis* (of 16 *whibas*, each of 12 *sahs*) . . . = 16 bushels.

The *pie*, or principal long measure, is of three lengths, viz., 0·7359 of a yard for cloth; 0·51729 of a yard for linen; 0·68975 of a yard for silk.

*Consul-General at Tunis.*—W. H. D. Haggard.

## Statistical and other Books of Reference concerning Tunis.

Correspondence respecting the Establishment of French Tribunals, and the Abrogation of Foreign Consular Jurisdiction in Tunis. London, 1884.

*Journal Officiel* of Tunis.

Foreign Office Reports. Annual Series. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions, for the year 1893. Imp. 4. London, 1894.

*Ashbee* (H. S.), Bibliography of Tunisia. 8. London, 1889.

*Bazaban* (L.), A travers la Tunisie. 8. Paris, 1887.

*Baedeker's* Handbook for Southern Italy. [Contains chapters on Tunis.] 11th ed. London, 1893.

*Boddy* (A.), To Kairwân the Holy. 8. London, 1885.

*Broadley* (A. M.), Tunis, Past and Present. London, 1882.

*Charmes* (Gabriel), La Tunisie et la Tripolitaine. Paris, 1883.

*Faucon* (N.), La Tunisie avant et depuis l'occupation française. 2 vols. 8. Paris, 1893.

*Graham* (A.) and *Ashbee* (H. S.), Travels in Tunisia. 8. London, 1887.

*Hesse-Wartegg* (Chevalier de), Tunis, the Land and the People. London, 1882.

*Leroy-Beaulieu* (Paul), L'Algérie et la Tunisie. Paris, 1887.

*Michel* (Léon), Tunis. 2nd edition. Paris, 1883.

*Playfair* (Lieut.-Colonel Sir R. Lambert), Handbook (Murray's) for Algeria and Tunis. London, 1887.

*Playfair* (Lieut.-Colonel Sir R. L.), Travels in the Footsteps of Bruce in Algeria and Tunis. London, 1877.

*Reclus* (Elisée), Géographie universelle. Vol. XI. L'Afrique septentrionale. Paris, 1885.

*Tchihatcheff* (M.), Algérie et Tunis. Paris, 1880.

*Tissot* (Charles), Exploration scientifique de la Tunisie. 2 vols. Paris, 1884-87.

## AMERICA.

---

### GADELOUPE AND DEPENDENCIES.

Guadeloupe, situated in the Lesser Antilles, has an area of 94,600 hectares (360 sq. m.); it is surrounded by a number of smaller islands—Marie Galante, Les Saintes, Désirade, &c.—the total area being 722 square miles. It is under a governor and an elected council, and is under French law; represented by a senator and two deputies. There are 49 primary schools with 5,575 boys and 4,178 girls. The colony is divided into arrondissements, cantons, and communes; its chief town is Pointe-à-Pitre. Revenue and expenditure balanced at 5,551,619 francs in the local budget of 1894; debt, 1,000,000 francs; expenditure of France (budget of 1895), 1,596,832 francs. Chief cultures: sugar (30,335,780 kilogrammes exported to France in 1891), coffee, cacao, vanilla, spices, manioc, bananas, sweet potatoes, rice, indian corn, and vegetables; cotton, the ramie fibre, tobacco, and india-rubber to a very limited extent; forest rich in excellent timber. There were, in 1887, 7,306 horses, 19,578 horned cattle, 9,819 sheep, and 18,365 swine. Railways, 60 miles.

### GUIANA.

Population estimated at 10,600 inhabitants at Cayenne, and about 15,000 in the interior, in addition to a few mountain tribes. Population of the penitentiaries and the liberated convicts about 4,400. The colony is under a governor, and is represented by one deputy. It is poorly cultivated, and its trade insignificant. In 1891, 1,519,892 grammes of gold were exported. Local budget, 1,894,512 francs in 1894, the expenditure of France (budget for 1895) being 1,350,458 francs.

### MARTINIQUE.

The colony is under a governor and municipal councils with elected General Council; divided into 32 communes. Represented by a senator and two deputies. Area 381 square miles; population in 1888, 175,391 (84,138 males and 91,253 females), with floating population of 2,456; only 652 were born in France. Birth rate, 34 per 1,000, and death rate, 29. Several primary schools and lyceums for boys and girls, with 4,350 male and 3,970 female pupils. Chief commercial town, St. Pierre (20,000 inhabitants). Sugar, manioc, sweet potatoes, and bananas are the chief culture, 13,453 hectares being under the food-producing crops. In 1891, 32,376,000 kilogrammes of sugar were exported to France. Coffee, cacao, and tobacco also grown to a limited extent. In 1889 there were 12 miles of railway. The exports are mainly cod to Paris. The local budget for 1893 was 4,942,019 francs; expenditure of France (budget of 1895), 2,660,371 francs; civil and judicial services, 350,056 francs; the rest of the expenditure was almost entirely for military purposes; debt, 435,000 francs.

Reference:—

*Garaud* (L.), *Trois Ans à la Martinique*. 8. Paris, 1892.

**ST. PIERRE AND MIQUELON.**

Two small islands close to the south coast of Newfoundland. Chief business cod fishing, chiefly in ships from France; total value in 1891, 9,576,364 francs. The weight of cod was 21,713,000 kilogrammes, and of oil 258,205 kilogrammes. Local budget for 1894, 435,272 francs; expenditure of France (budget 1895), 279,746 francs.

**AUSTRALASIA AND OCEANIA.****NEW CALEDONIA AND DEPENDENCIES.**

New Caledonia is a French penal colony, and the government is entirely in the hands of the Governor. Area, 6,000 square miles. Population (1889): colonists, 5,585; officials and soldiers, 3,476; natives, 41,874; imported labourers, 1,825; freed convicts, 2,515; convicts, 7,477; total, 62,752. Capital, Noumea, 4,000 inhabitants. The expenditure of the mother country in the budget of 1895 amounted to 3,080,451 francs; the local budget for 1893 was 2,899,024 francs. Coal, and other minerals are worked, rough ore, nickel, chrome, and cobalt being largely exported to Europe and Australia. About 1,900 square miles are appropriated to natives and colonists; 600 square miles of land suited for agriculture or pasturage remain uncultivated; the rest is mostly forest or mountain. Wheat, maize, and other cereals are cultivated, as also pine-apples, coffee, sugar, coco-nuts, cotton, manioc, vanilla, vines, and other sub-tropical cultures. There are 120,000 head of cattle. The chief imports (1891) were: haberdashery, 131,850*l.*; wines and spirits, 91,579*l.*; flour and dried vegetables, 40,204*l.*; alimentary goods, 43,788*l.* Exports, 345,165*l.* (32,131*l.* to France). Chief exports:—nickel, 269,605*l.*; preserved meat, 25,427*l.* (17,122*l.* to France); chrome ore, 13,032*l.*; silver lead ore, 7,086*l.* In 1891 153 vessels of 133,249 tons (99 of 71,205 tons British) entered, and 131 of 126,768 tons (99 of 71,205 tons British) cleared at the port of Noumea.

Dependencies of New Caledonia are:—The **Isle of Pines**, area 58 square miles, 44 miles to the south-east; the **Loyalty Archipelago**, three principal and many smaller islands, total area 756 square miles, 100 miles to the east; the **Huon Islands**, 150 miles to the north-east, and the **Chesterfield Islands**, 500 miles to the north-west, both groups uninhabited and covered with guano; the **Wallis Archipelago**, north-east of Fiji, placed under the protectorate of France definitively in 1887.

**SOCIETY ISLANDS AND NEIGHBOURING GROUPS.**

These are officially known as the French Establishments in Oceania. They consist of the Society Islands—Tahiti, Moorea, the Tetiaroa Islands, and Meetia—and Raiatea and Tubuai-Moru, Huahine, Bora-Bora, and other islands to the north-west.

The Marquesas, Tuamotu, Gambier, and Tubuai groups, and the island of Rapa.

Tahiti, the principal of these islands, has an area of 412 square miles, and Moorea, 50 square miles. Population of Tahiti, 11,200; Moorea, 1,600. There is a Commandant-General for all the establishments in Oceania, with a council for consultation. There is also a general council elected by universal suffrage. The chief town and port of Tahiti is Papeete. The expenditure of France (budget for 1895) is 865,082 francs. The local budget for 1893 amounted to 1,194,800 francs. The total exports in 1893 amounted to 130,286*l.*; imports, 108,266*l.* The chief exports were: mother-of-pearl, 58,124*l.*; copra, 33,314*l.*; cotton, 23,506*l.*; vanilla, 5,068*l.*; cottons, preserved meat, flour, and wines are imported. In Tahiti and Moorea 7,000 acres are under cultivation, the chief crops being cotton, sugar, and coffee. In 1893, 31 vessels of 15,498 tons entered the port of Papeete. There entered also 258 coasters of 8,292 tons.

### Books of Reference concerning New Caledonia and Dependencies.

- British Colonial Reports. Annual. London.  
*Legrand* (M. A.), Au Pays des Canaques. La Nouvelle Calédonie en 1890. 8. Paris, 1893.  
*Saliris* (P. A. de), Marins et Missionnaires: Conquête de la Nouvelle Calédonie, 1843-1853. 8. Paris, 1892.  
*Vuillot* (J.), La Nouvelle Calédonie et ses produits en 1890. 8. Saint-Cloude, 1891.

### Books of Reference concerning the French Colonies generally

#### 1. OFFICIAL.

- Les Colonies Françaises. Notices publiées par ordre du Sous-Secrétaire d'Etat des Colonies. 5 vols. Paris, 1889-90.  
 Statistiques Coloniales. Annual. Paris.  
 Tableaux de population, de culture, &c., sur les Colonies françaises. Paris, 1894.

#### 2. NON-OFFICIAL.

- Dubois*, Géographie de la France et de ses Colonies. 8. Paris, 1892.  
*Gaffarel* (P.), Les Colonies françaises. 4th edition. Paris, 1888.  
*Gasquet* (A.), Géographie de la France et de ses Colonies et Protectorats. 8. Paris, 1892.  
*Zay* (E.), Histoire monétaire des Colonies françaises. 8. Paris, 1892.

## GERMAN EMPIRE.

(DEUTSCHES REICH.)

### Reigning Emperor and King.

**Wilhelm II.**, German Emperor, and King of Prussia, born January 27, 1859, became German Emperor June 15, 1888 (see *Prussia*).

### *Heir Apparent.*

Prince *Friedrich Wilhelm*, born May 6, 1882, eldest son of the Emperor-King (see *Prussia*).

The present German Empire is essentially different from the Holy Roman Empire which came to an end in 1806. But though Austria, the most important factor in the earlier empire, is not a member of the present, a brief historical summary, including both, is for convenience inserted here. The imperial throne, after the extinction of the Carolingian line, was filled by election, though with a tendency towards the hereditary principle of succession. At first the Emperor was chosen by the vote of all the Princes and Peers of the Reich; but the mode came to be changed in the fourteenth century, when a limited number of Princes, fixed at seven for a time, and afterwards enlarged to eight (nine from 1692 to 1777), assumed the privilege of disposing of the crown, and, their right being acknowledged, were called Electors. With the overthrow of the old Empire by the Emperor Napoleon, in 1806, the Electoral dignity virtually ceased, although the title of Elector was retained sixty years longer by the sovereigns of Hesse-Cassel, the last of them dethroned in 1866 by Prussia. The election of Wilhelm I., King of Prussia, as the German Emperor (1871) was by vote of the Reichstag of the North German Confederation, on the initiative of all the reigning Princes of Germany. The imperial dignity is hereditary in the House of Hohenzollern, and follows the law of primogeniture.

Since Charlemagne was crowned 'Kaiser' at Rome, on Christmas Day in the year 800, there have been the following Emperors:—

<i>House of Charlemagne.</i>		Karl II., 'Der Kahle' . . .	876-877
Karl I., 'Der Grosse' . . .	800-814	Karl, 'Der Dicke' . . .	881-887
Ludwig I., 'Der Fromme' . . .	814-840	Arnulf . . . . .	887-899
Ludwig II., 'Der Deutsche' . . .	843-876	Ludwig III., 'Das Kind' . . .	900-911

*House of Franconia.*

Konrad I. . . . . 911-918

*House of Saxony.*

Heinrich I., 'Der Vogelsteller' . . . . . 919-936  
 Otto I., 'Der Grosse' . . . . . 936-973  
 Otto II. . . . . 973-983  
 Otto III. . . . . 983-1002  
 Heinrich II. . . . . 1002-1024

*House of Franconia.*

Konrad II., 'Der Salier' . 1024-1039  
 Heinrich III. . . . . 1039-1056  
 Heinrich IV. . . . . 1056-1106  
 Heinrich V. . . . . 1106-1125

*House of Saxony.*

Lothar II., 'Der Sachse' 1125-1137

*House of Hohenstaufen.*

Konrad III. . . . . 1138-1152  
 Friedrich I., 'Barbarossa' 1152-1190  
 Heinrich VI. . . . . 1190-1197  
 Philipp . . . . . 1198-1208  
 Otto IV., 'von Wittelsbach' . . . . . 1208-1212  
 Friedrich II. . . . . 1212-1250  
 Konrad IV. . . . . 1250-1254

*First Interregnum.*

Wilhelm of Holland . 1254-1256  
 Richard of Cornwall . 1256-1272

*House of Habsburg.*

Rudolf I. . . . . 1273-1291

*House of Nassau.*

Adolf . . . . . 1292-1298

*House of Habsburg.*

Albrecht I. . . . . 1298-1308

*Houses of Luxemburg and Bavaria.*

Heinrich VII. . . . . 1308-1313  
 Ludwig IV., 'Der Baiere' . 1313-1347  
 Karl IV. . . . . 1348-1378

*Second Interregnum.*

Wenceslaus of Bohemia . 1378-1400  
 Ruprecht 'Von der Pfalz' 1400-1410  
 Sigmund of Brandenburg. 1410-1437

*House of Habsburg.*

Albrecht II. . . . . 1438-1439  
 Friedrich III. . . . . 1440-1493  
 Maximilian I. . . . . 1493-1519  
 Karl V. . . . . 1519-1556  
 Ferdinand I. . . . . 1556-1564  
 Maximilian II. . . . . 1564-1576  
 Rudolf II. . . . . 1576-1612  
 Matthias . . . . . 1612-1619  
 Ferdinand II. . . . . 1619-1637  
 Ferdinand III. . . . . 1637-1657  
 Leopold I. . . . . 1657-1705  
 Joseph I. . . . . 1705-1711  
 Karl VI. . . . . 1711-1740

*House of Bavaria.*

Karl VII. . . . . 1742-1745

*House of Habsburg-Lorraine.*

Franz I. . . . . 1745-1765  
 Joseph II. . . . . 1765-1790  
 Leopold II. . . . . 1790-1792  
 Franz II. . . . . 1792-1806

*Third Interregnum.*

Confederation of the Rhine 1806-1815  
 German 'Bund' . . . . . 1815-1866  
 North German Confederation . . . . . 1866-1871

*House of Hohenzollern.*

Wilhelm I. . . . . 1871-1888  
 Friedrich . . . . . 1888 (March-June)  
 Wilhelm II. . . . . 1888 (June)

**Constitution and Government.**

The Constitution of the Empire bears date April 16, 1871. By its terms, all the States of Germany 'form an eternal union for the protection of the realm and the care of the welfare of the German people.' The supreme direction of the military and political affairs of the Empire is vested in the King of Prussia, who, in this capacity, bears the title of Deutscher Kaiser.

According to Art. II. of the Constitution, 'the Emperor represents the Empire internationally,' and can declare war, if defensive, and make peace, as well as enter into treaties with other nations, and appoint and receive ambassadors. To declare war, if not merely defensive, the Kaiser must have the consent of the Bundesrath, or Federal Council, in which body, together with the Reichstag, or Diet of the Realm, are vested the legislative functions of the Empire. The Emperor has no veto on laws passed by these bodies. The Bundesrath represents the individual States of Germany, and the Reichstag the German nation. The 58 members of the Bundesrath are appointed by the Governments of the individual States for each session, while the members of the Reichstag, 397 in number (about one for every 124,505 inhabitants), are elected by universal suffrage and ballot, for the term of five years. By the law of March 19, 1888, which came into force in 1890, the duration of the legislative period is five years. The various States of Germany are represented as follows in the Bundesrath and the Reichstag:—

States of the Empire	Number of Members in Bundesrath	Number of Deputies in Reichstag
Kingdom of Prussia . . . . .	17	236
„ „ Bavaria . . . . .	6	48
„ „ Saxony . . . . .	4	23
„ „ Württemberg . . . . .	4	17
Grand-Duchy of Baden . . . . .	3	14
„ „ Hesse . . . . .	3	9
„ „ Mecklenburg-Schwerin . . . . .	2	6
„ „ Saxe-Weimar . . . . .	1	3
„ „ Mecklenburg-Strelitz . . . . .	1	1
„ „ Oldenburg . . . . .	1	3
Duchy of Brunswick . . . . .	2	3
„ „ Saxe-Meiningen . . . . .	1	2
„ „ Saxe-Altenburg . . . . .	1	1
„ „ Saxe-Coburg-Gotha . . . . .	1	2
„ „ Anhalt . . . . .	1	2
Principality of Schwarzburg-Sondershausen . . . . .	1	1
„ „ Schwarzburg-Rudolstadt . . . . .	1	1
„ „ Waldeck . . . . .	1	1
„ „ Reuss Aelterer Linie . . . . .	1	1
„ „ Reuss Jüngerer Linie . . . . .	1	1
„ „ Schaumburg-Lippe . . . . .	1	1
„ „ Lippe . . . . .	1	1
Free town of Lübeck . . . . .	1	1
„ „ „ Bremen . . . . .	1	1
„ „ „ Hamburg . . . . .	1	3
Reichsland of Alsace-Lorraine . . . . .	—	15
Total . . . . .	58	397



Alsace-Lorraine is represented in the Bundesrath by four commissioners (*Kommissäre*) without votes, who are nominated by the Statthalter.

The total number of electors to the Reichstag inscribed on the lists was 10,628,292, or 21·5 per cent. of the population of 1890, at the general election of 1893, while the number of actual voters was 7,702,265 at the same election, or 72·5 per cent. of the total electors. In 252 districts Protestantism is predominant, and in the remainder Roman Catholicism claims the majority. Of electoral districts with 60,000 of a population and under, there were 4 in 1893; between 60,000 and 80,000, 27; between 80,000 and 100,000, 72; between 100,000 and 120,000, 116; between 120,000 and 140,000, 91; between 140,000 and 160,000, 41; and above 160,000, 46. Of electoral districts with 12,000 voters or less, there were 3 in 1893; 12,000–16,000, 21; 16,000–20,000, 51; 20,000–24,000, 114; 24,000–28,000, 93; 28,000–32,000, 49; above 32,000 voters 66.

Both the Bundesrath and the Reichstag meet in annual session, convoked by the Emperor. The Emperor has the right to prorogue and dissolve, after a vote by the Bundesrath, the Reichstag. Without consent of the Reichstag the prorogation may not exceed thirty days; while in case of dissolution new elections must take place within sixty days, and a new session must open within ninety days. All laws for the Empire must receive the votes of an absolute majority of the Bundesrath and the Reichstag. The Bundesrath is presided over by the Reichskanzler, or Chancellor of the Empire, and the President of the Reichstag is elected by the deputies.

The laws of the Empire, passed by the Bundesrath and the Reichstag, to take effect must receive the assent of the Emperor, and be countersigned when promulgated by the Chancellor of the Empire. All the members of the Bundesrath have the right to be present at the deliberations of the Reichstag.

The following are the imperial authorities or Secretaries of State: they do not form a Ministry or Cabinet, but act independently of each other, under the general supervision of the Chancellor.

1. *Chancellor of the Empire*.—Prince *Hohenlohe-Schillingsfürst*, born March 31, 1819; Ambassador from the German Empire to France, 1874–85; Governor of Alsace-Lorraine, 1885–94; Chancellor of the Empire, October 29, 1894.

2. *Ministry for Foreign Affairs*.—Herr Freiherr Marschall von *Bieberstein*.

3. *Imperial Home Office* and ‘*Representative of the Chancellor*.’—Herr Dr. von *Boetticher*.

4. *Imperial Admiralty*.—Herr *Hollmann*. *Admiral Commanding-in-Chief*.—Herr Freiherr von der *Goltz*.

5. *Imperial Ministry of Justice*.—Herr *Nieberding*.

6. *Imperial Treasury*.—Count von *Posadowsky-Wehner*.

And, in addition, the following presidents of imperial bureaux:—

7. *Imperial Post-Office*.—Herr Dr. von *Stephan*.

8. *Imperial Railways*.—Herr Dr. *Schulz*.

9. *Imperial Exchequer*.—Herr von *Wolff*.

10. *Imperial Invalid Fund*.—Dr. *Rösing*.

11. *Imperial Bank*.—President, Herr Dr. *Koch*.

12. *Imperial Debt Commission*.—President, Herr *Meinecke*.

Acting under the direction of the Chancellor of the Empire, the Bundesrath represents also a supreme administrative and consultative board, and as such has twelve standing committees—namely, for army and fortifications; for naval matters; tariff, excise, and taxes; trade and commerce; railways, posts,

and telegraphs; civil and criminal law; financial accounts; foreign affairs; for Alsace-Lorraine; for the Constitution; for the Standing orders; and for railway tariffs. Each committee consists of representatives of at least four States of the Empire; but the foreign affairs committee includes only the representatives of Bavaria, Saxony, Württemberg, and two other representatives to be elected every year.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

The following table gives the area and population of the twenty-five States of Germany in the order of their magnitude, and of the Reichsland of Alsace-Lorraine, as returned at the two census-periods of 1885 and 1890:—

States of the Empire	Area English sq. miles	Population Dec. 1, 1885	Population Dec. 1, 1890	Pop. per sq. mile 1890
Prussia (with Heligoland) . . . . .	134,463	28,318,470	29,957,367	222·8
Bavaria . . . . .	29,282	5,420,199	5,594,982	191·1
Württemberg . . . . .	7,528	1,995,185	2,036,522	270·5
Baden . . . . .	5,821	1,601,255	1,657,867	284·8
Saxony . . . . .	5,787	3,182,003	3,502,684	605·2
Mecklenburg-Schwerin . . . . .	5,135	575,152	578,342	112·6
Hesse . . . . .	2,965	956,611	992,883	334·8
Oldenburg . . . . .	2,479	341,525	354,968	143·2
Brunswick . . . . .	1,424	372,452	403,773	283·5
Saxe-Weimar . . . . .	1,388	313,946	326,091	234·8
Mecklenburg-Strelitz . . . . .	1,131	98,371	97,978	86·6
Saxe-Meiningen . . . . .	953	214,884	223,832	234·8
Anhalt . . . . .	906	248,166	271,963	300·1
Saxe-Coburg-Gotha . . . . .	755	198,829	206,513	273·5
Saxe-Altenburg . . . . .	511	161,460	170,864	332·4
Lippe . . . . .	469	123,212	128,495	273·9
Waldeck . . . . .	433	56,575	57,281	132·4
Schwarzburg-Rudolstadt . . . . .	363	83,836	85,863	236·5
Schwarzburg-Sondershausen . . . . .	333	73,606	75,510	226·7
Reuss-Schleiz . . . . .	319	110,598	119,811	375·6
Schaumburg-Lippe . . . . .	181	37,204	39,163	298·9
Reuss-Greiz . . . . .	122	55,904	62,754	514·3
Hamburg . . . . .	158	518,620	622,530	3,949·1
Lübeck . . . . .	115	67,658	76,485	665·1
Bremen . . . . .	99	165,628	180,443	1,822·6
Alsace-Lorraine . . . . .	5,600	1,564,355	1,603,506	286·3
Total . . . . .	208,670	46,855,704	49,428,470	236·7

The population of the lands now included in the German Empire (without Heligoland) was 24,831,396 in 1816, and 31,589,547 in 1837, showing an average annual increase of nearly 1·3 per cent. The following table shows the actual increase in population at various periods, with the annual rate of increase per cent. The small increase in 1867-71 is explained by the intervention of the war with France.

Year	Increase	Annual Rate per cent.	Year	Increase	Annual Rate per cent.
1858	5,371,195	0·75	1880	2,506,701	1·14
1867	3,220,083	0·97	1885	1,621,643	0·7
1871	970,171	0·61	1890	2,570,680	1·07
1875	1,668,388	1			

The increase of population during 1885-90 was greatest in Hamburg, Lübeck, Reuss Elder Branch, Sachsen, Anhalt, Bremen, Reuss Younger Branch, and Brunswick. In Mecklenburg Strelitz there was a decrease.

The number of inhabited houses in 1890 was 5,790,689, and of households 10,617,923. Of the total population (in 1890) 47·0 per cent. lived in towns of 2,000 inhabitants and above; in 1885, 43·7 per cent. Of every 100 inhabitants there lived in—

—	No. of Towns	1880	No. of Towns	1885	No. of Towns	1890
Large towns <sup>1</sup>	14	7·24	21	9·5	26	12·1
Medium „	102	8·90	116	8·9	135	9·8
Small „	641	12·54	683	12·9	733	13·1
Country „	1,950	12·71	1,951	12·4	1,997	12·0
Other places	—	58·61	—	56·3	—	53·0

<sup>1</sup> For the official signification of these names see p. 538.

Of the total population in 1890, 24,230,832 were males and 25,197,638 were females. Boys under 10 years of age numbered 5,993,681; girls, 5,966,226; men over 80 years of age numbered 90,161; women, 119,289.

With respect to conjugal condition, the following was the distribution in 1890:—

—	Males	Females	Total
Unmarried	15,058,108	14,591,560	29,649,668
Married	8,372,486	8,398,607	16,771,093
Widowed	774,967	2,157,870	2,932,837
Divorced and separated	25,271	49,601	74,872

According to the occupation-census of June 5, 1882, the population of Germany was divided as in the table below. Of the total, 18,986,494 were actually engaged in the various occupations.

Place	Agriculture, Cattle rearing, &c.	Forestry, Hunting, Fishing	Mining, Metal Works, and other Industries.	Commerce and Trade.	Domestic and other Service	Professions	Without Profession or Occupation	Total
Prussia . . . . .	11,678,883	226,024	9,393,750	2,725,344	690,892	1,305,657	1,267,810	27,287,860
Bavaria . . . . .	2,643,968	37,297	1,492,391	435,701	38,908	242,890	377,606	5,268,761
Saxony . . . . .	578,592	23,786	1,695,895	360,675	53,584	148,361	153,929	3,014,822
Württemberg . . . . .	927,282	15,642	674,080	143,258	11,254	95,714	90,239	1,957,469
Baden . . . . .	752,489	13,086	491,957	140,870	18,161	77,785	64,250	1,558,598
Hesse . . . . .	381,995	4,365	339,809	98,631	14,895	54,730	35,332	929,757
Meckl.-Schwerin . . . . .	293,348	10,723	137,189	47,783	20,808	32,135	35,007	574,993
Saxe-Weimar . . . . .	132,057	3,162	114,835	23,939	4,086	16,066	13,595	307,740
Meckl.-Strelitz . . . . .	49,244	1,886	25,142	8,432	3,643	5,653	5,167	99,167
Oldenburg . . . . .	174,526	1,816	94,609	33,631	3,909	15,776	13,160	337,427
Brunswick . . . . .	113,177	6,885	146,616	38,467	4,443	18,071	22,102	349,761
Saxe-Meiningen . . . . .	67,819	4,113	92,806	15,146	9,955	9,285	7,227	206,351
Saxe-Altenburg . . . . .	54,579	1,458	71,730	14,237	1,644	6,523	5,640	155,811
S.-Coburg-Gotha . . . . .	65,796	3,880	90,279	16,480	2,988	9,838	8,850	198,111
Anhalt . . . . .	75,937	2,481	104,956	24,129	3,451	12,332	13,456	236,792
Sch.-Rudolstadt . . . . .	28,701	1,302	38,239	5,654	1,459	3,536	2,200	81,091
Schw.-Sondersh. . . . .	27,959	1,673	29,108	5,320	834	3,747	2,859	71,500
Waldeck . . . . .	30,378	537	16,255	3,673	839	3,089	1,914	56,685
Reuss-Greiz . . . . .	10,734	492	32,298	3,990	1,043	1,664	1,136	51,357
Reuss-Schleiz . . . . .	26,287	1,758	56,415	8,755	1,290	4,491	3,688	102,684
Schaumb.-Lippe . . . . .	12,543	933	15,410	2,605	413	2,242	1,570	35,716
Lippe . . . . .	45,733	609	46,308	6,318	1,501	4,396	4,092	108,957
Lübeck . . . . .	8,976	879	23,305	18,580	2,234	4,549	5,868	64,391
Bremen . . . . .	11,985	99	75,935	47,114	2,968	11,478	10,637	160,216
Hamburg . . . . .	20,530	1,948	195,491	159,721	26,486	28,712	33,628	466,516
Alsace-Lorraine . . . . .	627,800	17,803	563,272	142,627	16,606	104,212	67,260	1,539,580
Total Empire . . . . .	18,840,818	334,637	16,058,080	4,531,080	938,294	2,222,982	2,246,222	45,222,113

The bulk of the German population is (on the basis of language) Teutonic; but in Prussia, chiefly in the eastern provinces, there were in December, 1890, 2,922,475 Slavs (Poles, Masurians, and Cassubians), 117,637 Lithuanians, 65,254 Wends, 74,069 Moravians and Czechs; while throughout Prussia were 138,134 Danes, 40,124 Dutch, 10,972 Walloons, and 34,725 English, French, Swedish, &c. The total non-Germanic population was 3,403,390, or nearly 7 per cent. of the whole population.

On December 1, 1890, Germany contained 508,595 persons born elsewhere, the birthplaces of whom were as follows:—

Austria and Hungary . . . . .	205,545	Great Britain and Ireland . . . . .	15,534
Russia . . . . .	52,640	Sweden and Norway . . . . .	14,404
Netherlands . . . . .	56,169	Luxemburg . . . . .	12,585
Switzerland . . . . .	41,105	Other European Lands . . . . .	26,315
France . . . . .	32,022	United States . . . . .	17,550
Denmark . . . . .	23,317	Elsewhere . . . . .	11,409

Besides 29 born at sea. In 1885 the number of foreign-born residents was 434,525; subjects of foreign powers were 372,792.

II. MOVEMENT OF THE POPULATION.

The following table shows the movement of the population of the Empire during five years :—

Year	Marriages	Total Births	Stillborn	Illegitimate	Total Deaths	Surplus of Births
1888	376,654	1,828,379	66,972	169,645	1,209,798	618,581
1889	389,339	1,838,439	65,869	170,572	1,218,956	619,483
1890	395,356	1,820,264	61,011	165,672	1,260,017	560,247
1891	399,398	1,903,160	62,988	172,456	1,227,409	675,751
1892	398,775	1,856,999	61,028	169,658	1,272,430	584,569

Of the children born in 1892, 954,743 were boys, and 900,253 girls.

Emigration, which in recent years assumed larger proportions in Germany than in any other country in Europe, after declining for some time received a new impetus in 1880 and 1881. The number of emigrants in 1881, viz., 220,902, is the highest total yet reached in any one year. The following table shows the annual number of German emigrants for five years :—

Years Average	Total	Destination					
		United States	Brazil	Other American Countries	Africa	Asia	Australia
1889	96,070	90,235	2,412	2,243	422	262	496
1890	97,103	89,962	4,117	1,914	471	165	474
1891	120,089	113,046	3,779	2,130	599	97	438
1892	116,339	111,806	796	2,765	476	120	376
1893	87,677	78,245	1,173	7,266	586	146	261

The great majority of the emigrants sail from German ports and Antwerp. In 1889-93, 16,408 embarked at Rotterdam or Amsterdam ; and in 1889-93, a yearly average of 4,607 at French ports, notably Havre and Bordeaux. The emigrants of 1893 by way of German ports, Antwerp, Rotterdam and Amsterdam, comprised 47,272 males, 36,706 females. The number of families was 11,647, including 40,118 persons. During the 74 years from 1820 to 1893 the total emigration to the United States, which absorbs the best classes of emigrants, numbered about 5,100,000 individuals, and during the last twenty-three years 2,292,496. It is calculated that each represented, on the average, a money value of 200 marks, or 10%, so that the total loss by this emigration amounted to nearly 51,000,000%. The number of emigrants to Brazil during the last twenty-three years (1871-93) has been 45,720.

Of the emigrants in 1893 (not including those who sailed from French ports) the principal States sent as follows :—

Prussia . . . 53,471	Saxony . . . 3,908	Oldenburg . . . 1,123
Bavaria . . . 8,541	Hesse . . . 1,422	Bremen . . . 963
Württemberg . . . 5,401	Meck.-Schwerin . . . 1,046	Alsace-Lorraine . . . 794
Baden . . . 3,148	Hamburg . . . 2,409	

In 1893, 98,288 emigrants other than Germans embarked at German ports.

### III. PRINCIPAL TOWNS.

German towns are officially distinguished as large towns (with 100,000 inhabitants and upwards); medium towns (20,000–100,000 inhabitants); small towns (5,000–20,000 inhabitants), and country towns (2,000–5,000 inhabitants). In 1890, only 1 town had over 1,000,000 inhabitants; 6 others over 250,000; 19 others over 100,000; 21 between 50,000 and 100,000; and 103 between 20,000 and 50,000. The 26 'large towns' with the States to which they belong, are:—

Town	State	Pop.	Town	State	Pop.
Berlin . . .	Prussia . . .	1,578,794	Stuttgart . . .	Württem- berg . . .	139,817
Munich <sup>1</sup> . . .	Bavaria . . .	349,024	Chemnitz . . .	Saxony . . .	138,954
Breslau . . .	Prussia . . .	335,186	Elberfeld . . .	Prussia . . .	125,899
Hamburg <sup>2</sup> . . .	Hamburg . . .	323,923	Bremen <sup>6</sup> . . .	Bremen . . .	125,684
Leipzig <sup>3</sup> . . .	Saxony . . .	295,025	Strassburg . . .	Alsace- Lorraine . . .	123,500
Cologne . . .	Prussia . . .	281,681	Danzig . . .	Prussia . . .	120,338
Dresden <sup>4</sup> . . .	Saxony . . .	276,522	Stettin . . .	„ . . .	116,228
Magdeburg . . .	Prussia . . .	202,234	Barmen . . .	„ . . .	116,144
Frankfurt-on- Main . . .	„ . . .	179,985	Crefeld . . .	„ . . .	105,376
Hanover <sup>5</sup> . . .	„ . . .	163,593	Aachen . . .	„ . . .	103,470
Königsberg . . .	„ . . .	161,666	Halle-a.-S. . .	„ . . .	101,401
Düsseldorf . . .	„ . . .	144,642	Brunswick . . .	Brunswick . . .	101,047
Altona . . .	„ . . .	143,249			
Nuremberg . . .	Bavaria . . .	142,590			

<sup>1</sup> With suburbs, incorporated January 1, 1892, 350,594.

<sup>2</sup> With out-lying suburbs (Vororte) 569,260.

<sup>3</sup> With suburbs, incorporated January 1, 1891, and January 1, 1892, Leipzig had in 1890, 357,122 inhabitants.

<sup>4</sup> With suburbs, incorporated January 1, and July 1, 1892, 289,844.

<sup>5</sup> With suburbs, incorporated July 1, 1891, 174,455.

<sup>6</sup> With suburbs, incorporated April 1, 1892, 130,867.

For further details see under the separate States.

### Religion.

The Constitution provides for entire liberty of conscience and for complete social equality among all religious confessions. The relation between Church and State varies in different parts of the Empire. The order of the Jesuits is interdicted in all parts of Germany, and all convents and religious orders, except those engaged in nursing the sick and purely contemplative orders, have been suppressed. There are five Roman Catholic archbishops, and twenty bishoprics. The 'Old Catholics' have a bishop at Bonn.

The following are the results of three complete religious censuses :—

Creed	1871	Per Ct. of Pop.	1880	Per Ct. of Pop.	1890	Per Ct. of Pop.
Protestants . . . . .	25,581,685	62·3	28,331,152	62·6	31,026,810	62·8
Roman Catholics	14,869,292	36·2	16,232,651	35·9	17,674,921	35·8
Other Christians	82,158	0·2	78,031	0·2	145,540	·29
Jews . . . . .	512,153	1·3	561,612	1·2	567,884	1·1
Others and unclassified . . . . .	13,504	0·03	30,615	·07	13,315	·03

Adherents of the Greek Church are included in 'Roman Catholics.'

Roman Catholics are (1890) in the majority in only three of the German States, and form more than 20 per cent. of the population in only four others, as follows :—

A. States with 20 per Cent. of Roman Catholics.					
States	Prot. p. Ct.	Rom. Cath. p. Ct.	Other Christians	Jews p. Ct.	Others p. Ct.
Oldenburg . . . . .	77·31	21·91	·34	·44	·006
Württemberg . . . . .	69·10	29·94	·33	·62	·009
Hesse . . . . .	67·09	29·58	·74	2·57	·019
Prussia . . . . .	64·20	34·22	·32	1·24	·016
B. Predominantly Roman Catholic.					
Alsace-Lorraine	21·05	76·53	·23	2·16	·025
Bavaria . . . . .	28·10	70·83	·10	·96	·009
Baden . . . . .	36·11	62·02	·24	1·61	·017

In all the other States the Roman Catholics form less than 3·8 per cent. of the population. (For further particulars, see the various States.)

## Instruction.

Education is general and compulsory throughout Germany. The laws of Prussia, which provide for the establishment of elementary schools (*Volksschulen*), supported from the local rates, in every town and village, and compel all parents to send their children to these or other schools, have been adopted, with slight modifications, in all the States of the Empire. The school age is from six to fourteen. The system of secondary education is also practically homogeneous. Above the elementary schools rank the middle schools of the towns, the *Bürgerschulen* and *Höhere Bürgerschulen*, which fit their pupils for business life. Children of the working classes may continue their education at the

*Fortbildungs-Schulen* or continuation schools, which are open in the evening or other convenient time. The *Gymnasia* are the most fully developed classical schools, preparing pupils in a nine years' course for the universities and the learned professions. The *Progymnasia* differ from these only in not having the highest classes. In the *Realgymnasia*, Latin, but not Greek, is taught, and what are usually termed 'modern subjects' have more time devoted to them. *Realprogymnasia* have a similar course, but have no class corresponding to the highest class in the preceding. In the *Oberrealschulen* and *Realschulen* Latin is wholly displaced in favour of modern languages. In 1894, 1,023 secondary schools, including 58 private schools, possessed the right of granting certificates to pupils, entitling them to serve in the army as one-year volunteers. The teachers in German schools are required to hold a Government certificate, and to have undergone a year's probation. Higher schools for girls are called *Höhere Töchterschulen*. Besides these there are numerous *Gewerbeschulen* or technical schools, *Polytechnica*, normal schools, seminaries, and the universities. The total number of children of school age in 1890 was 8,694,887.

No official statistics of the number of schools, pupils, teachers, &c., are issued for the entire Empire; but particulars on these heads will be found under some of the separate States. The number of elementary schools was estimated in 1891 at 56,560, of pupils attending them 7,925,000, and of teachers 120,030. The immediate expenditure on elementary schools was about 242,400,000 marks, of which 69,305,000 marks came from State funds. In 1891 the number of secondary schools was as follows [Brachelli, *Statistische Skizze des Deutschen Reichs*, 7th ed.] :—

Gymnasia . . . . .	427	Oberrealschulen . . . . .	14
Progymnasia . . . . .	185	Realschulen . . . . .	238
Realgymnasia . . . . .	126	Höhere Bürgerschulen . . . . .	95
Realprogymnasia . . . . .	107		

Among the more important special and technical schools in 1891 were 9 technical high-schools and polytechnics; 31 middle schools of agriculture; 15 schools of mining; 15 schools of architecture and building; 9 academies of forestry; 23 schools of art and art-industry (*Kunst* and *Kunstgewerbe-Schulen*); and 7 public music-schools. There are also numerous smaller as well as private agricultural, music, &c., schools, and a large number of artisans' or trade schools. There is a naval academy and school at Kiel, and military academies at Berlin and Munich; besides 47 schools of navigation, 9 military schools, and 9 cadet institutions.

It appears, from statistical returns relating to the formation of the united German army, that of all recruits of the year 1892-93 only 0·38 per cent. could neither read nor write. In East and West Prussia and in Posen the percentage ranged from 0·98 to 4·01; in all the other States the number was less than 1 per cent. In Alsace-Lorraine it was only 1·29 per cent. in 1882-83, and 0·30 in 1892-93.

There are 21 universities in the German Empire, besides the Lyceum



Hosianum at Braunsberg (10 teachers and about forty students), which has only faculties of theology (Roman Catholic) and philosophy.

The following table gives the number of teachers for the summer half year 1894, and the number of students for the winter half-year 1893-94.

Universities	Professors and Teachers	Students				
		Theology	Jurisprudence	Medicine	Philosophy	Total
Berlin . . .	372	531	1,625	1,279	1,544	4,979
Bonn . . .	140	289	335	247	512	1,383
Breslau . . .	150	324	328	287	299	1,238
Erlangen . . .	66	285	208	430	175	1,098
Freiburg . . .	107	228	207	412	193	1,040
Giessen . . .	66	71	152	152	142	517
Göttingen . . .	118	152	191	192	235	770
Greifswald . . .	88	202	89	380	76	747
Halle . . .	126	538	267	234	496	1,535
Heidelberg . . .	131	71	321	218	350	960
Jena . . .	90	74	154	196	219	643
Kiel . . .	89	82	67	257	101	507
Königsberg . . .	106	107	191	230	155	683
Leipzig . . .	198	424	1,065	815	823	3,067
Marburg . . .	99	110	196	241	321	868
Munich . . .	173	133	1,208	1,398	669	3,408
Münster . . .	49	261	—	—	138	399
Rostock . . .	44	46	82	120	172	420
Strassburg . . .	121	101	239	299	302	941
Tübingen . . .	88	429	398	235	89	1,151
Würzburg . . .	74	117	243	808	167	1,335

There were besides a certain number of non-matriculated students—the majority, 3,471, at the University of Berlin.

In four universities, namely, Freiburg, Munich, Münster, and Würzburg, the faculties of theology are Roman Catholic; three are mixed, both Protestant and Roman Catholic—Bonn, Breslau, and Tübingen; and the remaining fourteen are Protestant.

### Justice and Crime.

In terms of Judicature Acts in 1877 and 1879 a uniform system of law courts was adopted throughout the Empire not later than January 1, 1879, though, with the exception of the Reichsgericht, all courts are directly subject to the Government of the special State in which they exercise jurisdiction, and not to the Imperial Government. The appointment of the judges is also a State and not an Imperial function. The Empire enjoys uniform codes of commercial and criminal law, though no uniform code of civil law has yet been adopted.

The lowest courts of first instance are the *Amtsgerichte*, each with a single judge, competent to try petty civil and criminal cases. There was on January 1,

1893, 1,919 Amtsgerichte in the Empire, or one for every 25,785 inhabitants. The *Landgerichte* exercise a revising jurisdiction over the *Amtsgerichte*, and also a more extensive original jurisdiction in both civil and criminal cases, divorce cases, &c. In the criminal chamber five judges sit, and a majority of four votes is required for a conviction. Jury courts (*Schwurgerichte*) are also held periodically, in which three judges preside; the jury are twelve in number. There are 172 *Landgerichte* in the Empire, or one for every 287,374 of the population. The first court of second instance is the *Oberlandesgericht*. In its criminal senate, which also has an original jurisdiction in serious cases, the number of the judges is seven. There are twenty-eight such courts in the Empire. The total number of judges on the bench in all the courts above mentioned is 7,397. In Bavaria alone there is an *Oberste Landesgericht*, with eighteen judges, with a revising jurisdiction over the Bavarian *Oberlandesgerichte*. The supreme court is the *Reichsgericht*, which sits at Leipzig. The judges, eighty-one in number, are appointed by the Emperor on the advice of the Bundesrath. The court exercises an appellate jurisdiction over all inferior courts, and also an original jurisdiction in cases of treason. It has four criminal and six civil senates.

The following table shows the number of criminal cases tried before the courts of first instance, with the number and sex of convicted persons, and the number of the latter per 10,000 of the civil population over twelve years of age:—

Year	Cases tried		Persons convicted		Total	Conviction per 10,000 inhabitants
	Amtsger.	Landger.	Males	Females		
1888	1,002,601	70,044	288,481	62,184	350,665	105·5
1889	1,032,880	73,857	303,195	66,449	369,644	110·1
1890	1,023,453	76,702	314,192	67,258	381,450	112·0
1891	1,048,389	80,463	321,657	69,407	391,064	112·4
1892	1,131,165	88,418	347,051	75,276	422,327	119·9

Of the persons convicted in 1892, 46,496 were under eighteen years of age; and 146,691 had been previously convicted.

### Pauperism.

The relief of the poor is not an imperial function; but all the States except two have adopted the law of settlement passed by the Reichstag in June 1870. Bavaria and Alsace-Lorraine have independent poor-law legislation. According to the law of 1870 each commune (*Gemeinde*) or poor law-district (*Armenverband*) is bound to provide for its own poor, much as is the case in English parishes; and a settlement for purposes of poor-relief is generally obtained by a residence of two years in any one commune. Paupers who from any cause have no local settlement are looked after by the Government of the State to which they belong, and are called *Landarmen*, or national paupers. By an imperial law passed in 1874, any German entitled to poor-relief may apply for it to the commune in which he happens at the time to be, but that commune is empowered to recover expenses from the commune in which the pauper has a settlement. In 1885 the number of paupers receiving public relief was as follows:—

—	Heads of Families and Single Paupers	Dependants	Total	Per Cent. of Population
Bavaria . . .	86,098	65,452	151,550	2·80
Alsace-Lorraine . . .	39,047	34,442	73,489	4·70
Other states . . .	761,426	605,921	1,367,347	3·43
Total . . .	886,571	705,815	1,592,386	3·40

As preventive measures under this head must be mentioned the imperial laws introducing the compulsory insurance of workmen against sickness (1883 and 1892) and insurance against accidents by employers (1884-1887) and the compulsory insurance of workmen by the workmen themselves against old age and infirmity (1889).

### Finance.

The common expenditure of the Empire is defrayed from the revenues arising from customs, certain branches of the excise, and the profits of the posts, telegraphs, and State railways. The individual States are assessed to make up any deficit in proportion to population.

The following tables exhibit the revenue and expenditure (in thousands of marks) for five years, the figures for the last two years being taken from the budget estimates:—

REVENUE				EXPENDITURE		
Years	Ordinary	Extraord. (loans, &c.)	Total	Ordinary	Extraord. (military, &c.)	Total
	1,000 M.	1,000 M.	1,000 M.	1,000 M.	1,000 M.	1,000 M.
1890-91	1,066,483	186,734	1,253,217	1,018,498	335,123	1,353,621
1891-92	1,091,561	322,335	1,413,896	1,085,184	159,870	1,245,054
1892-93	1,068,699	67,938	1,136,637	1,088,671	155,560	1,244,231
1893-94	1,109,297	217,535	1,326,832	1,113,444	217,535	1,330,979
1894-95	1,154,899	130,275	1,285,174	1,156,271	130,275	1,286,546

The amounts raised by customs, excise, and stamps were as follows (in thousands of marks):—

—	1890-91	1891-92	1892-93	Estimated	
				1893-94	1894-95
Customs and excise . . .	625,224	641,244	620,004	602,920	621,936
Stamps . . . . .	35,384	33,782	31,303	36,514	34,045
Total . . . . .	660,608	675,026	651,307	639,434	655,981

The sums paid in lieu of customs and excise by the parts of the Empire not included in the Zollgebiet are included in the above figures. The share of this direct imperial taxation is about 10s. 6d. per head.

The distribution of the expenditure (in thousands of marks) is as follows:—

Years	Defence		Debt	General
	Ordinary	Extraordinary		
1890-91	487,845	303,397	48,274	—
1891-92	531,986	119,925	55,807	—
1892-93	548,666	118,395	58,711	—
1893-94	563,908	161,820	66,966	—
1894-95	588,047	96,960	71,740	—

The following table gives the estimated total revenue and expenditure, including supplements for the financial year ending March 31, 1895:—

Expenditure	1,000 Marks	Revenue	1,000 Marks
Reichstag . . .	423·0	Customs and Excise	
Chancellery . . .	153·5	Duties . . . . .	621,935·5
Foreign Office . . .	10,303·8	Stamps . . . . .	34,045·0
Home Office . . .	27,223·5	Posts and Telegraphs	28,404·0
Imperial Army . . .	480,021·9	Printing Office . . .	1,436·8
Navy . . . . .	50,696·1	Railways . . . . .	23,081·1
Ministry of Justice . . .	2,065·7	Imperial Bank . . .	7,244·8
Imperial Treasury . . .	360,528·4	Various departmental	
Railways . . . . .	334·8	receipts . . . . .	12,539·2
Debt of Empire . . .	71,739·8	Interest of Invalid	
Audit Office . . . . .	631·6	Fund . . . . .	27,258·5
Pension Fund . . . . .	48,245·4	Interest of Imperial	
Invalid Fund . . . . .	27,258·5	Funds . . . . .	46·0
Reform of Civil Ser-		Various . . . . .	1,400·3
vicesalarysystem } . . . . .	321·8	Extraordinary re-	
Total ordinary recur-		ceipts . . . . .	130,275·4
ring expenditure } . . . . .	1,079,947·8	Federal contribu-	
Total non-recur-		tions . . . . .	397,507·8
ring and extra-			
ordinary expen-			
diture . . . . .	206,598·6		
Grand total . . . . .	1,286,546·4	Grand total . . . . .	1,285,174·4

For 1894-95 the Federal contributions (*Matricular Beiträge*) amount to 356,842,300 marks, to which the principal States contribute as follows:—

Prussia . . . . .	1,000 M. 234,159	Baden . . . . .	1,000 M. 14,081	Saxe-Weimar . . . . .	1,000 M. 2,548
Bavaria . . . . .	50,333	Alsace-Lorr. . . . .	13,661	Oldenburg . . . . .	2,775
Württemberg . . . . .	18,217	Hesse . . . . .	7,761	Brunswick . . . . .	3,156
Saxony . . . . .	27,373	Meckl.-Schwer. . . . .	4,521	Hamburg . . . . .	4,866

At the end of March 1893 the total funded debt amounted to 1,740,842,500 marks. Of this amount 450,000,000 bears interest at 4 per cent., 760,842,500 at  $3\frac{1}{2}$  per cent., and 530,000,000 at 3 per cent. Besides the funded there exists an unfunded debt, represented by 'Reichs-Kassenscheine,' or imperial treasure bills, outstanding on March 31, 1893, to the amount of 120,000,000 marks.

As a set off against the debt of the Empire there exists a variety of invested funds. The fund for invalids (March, 1893) consisted of 464,914,600 marks. The war treasure fund, 120,000,000 marks, is not invested, but preserved in gold at Spandau.

## Defence.

### I. FRONTIER.

Germany has a total frontier length of 4,570 miles. On the north it is bounded by the North Sea (293 miles), Denmark (47 miles), and the Baltic (927 miles); on the south well-defined mountain-ranges and the Lake of Constance separate it from Austria (1,403 miles) and Switzerland (256 miles). On the remaining sides, however, the boundaries are chiefly conventional, except in the south-west, where the Vosges Mountains separate Germany and France. On the east Germany is bounded by Russia for 843 miles; on the west by France (242 miles), Luxemburg (111 miles), Belgium (70 miles), and Holland (377 miles).

Some of the coast defences and batteries have been placed under the jurisdiction of the admiralty. The Empire is at present divided into ten 'fortress districts' (Festungs-Inspectionen), each including a certain area with fortified places. The following is a list of these districts, and the names of the fortresses in each, the fortified places of the first class, serving as camps, being distinguished by italics, while those specially designed for railway protection or obstruction are marked by asterisks (\*), and coast fortresses by a dagger (†):—

1. KÖNIGSBERG: *Königsberg*, Danzig,† Pillau,† Memel,† Boyen. 2. POSEN: *Posen*, Glogau,\* *Neisse*, Glatz. 3. BERLIN: *Spandau*, *Magdeburg*, Torgau,\* *Küstrin*. 4. MAINZ: *Mainz*, *Ulm*, *Rastatt*. 5. METZ: *Metz*, Diedenhofen,\* *Bitsch*.\* 6. COLOGNE (Köln): *Cologne*, *Koblenz*, *Wesel*,\* *Saarlouis*.\* 7. KIEL: *Kiel*, Friedrichsort,† Cuxhaven,† Geestmünde,† Wilhelmshaven,† Swinemünde.† 8. THORN: Thorn, Graudenz, Vistula Passages (Weichselübergänge), Dirschau. 9. STRASSBURG: *Strassburg*; New Breisach. 10. MUNICH (München): *Ingolstadt*, *Germersheim*.\*

It will be seen that the Empire has 17 fortified places of the first class, serving as fortified camps, and 19 other fortresses.

These fortresses are all connected with each other by means of underground telegraphs, while strategical railway lines lead from the principal military centres towards the frontiers.

## II. ARMY.

The 63rd Article of the Constitution of 1871 enacts that 'the whole of the land forces of the Empire shall form a united army in war and peace, under the orders of the Kaiser.' The Prussian War Office discharges also the functions of an Imperial War Office, but Bavaria, Saxony, and Württemberg have War Ministers of their own. The military budgets of the two last named are, however, prepared in Berlin, and Bavaria is obliged to vote military supplies in a fixed proportion to the other budgets. The Sovereigns of these three Kingdoms have the right to select the lower grades of officers, and the King of Bavaria, by a convention signed November 23, 1870, reserved to himself the special privilege of superintending the general administration of the Bavarian contingent to the German army. But the approval of the Kaiser must be obtained to all appointments, and nothing affecting the superior direction of the troops of any State of the Empire can be done without his consent. All German troops are bound by the Constitution to obey unconditionally the orders of the Kaiser, and must swear accordingly the oath of fidelity. But this oath to the Kaiser is not imposed upon the Bavarian troops in time of peace. Art. 65 of the Constitution gives the Emperor the right of ordering the erection of fortresses in any part of the Empire; and Art. 68 invests him with the power, in case of threatened disturbance of order, to declare any country or district in a state of siege. The constitution of the army is regulated by various military laws passed between 1867 and 1888; the Prussian military legislation before 1871 being extended to the Empire.

By the Constitution of April 16, 1871, it is enacted that 'every German is liable to service—and no substitution is allowed.' Every German capable of bearing arms has to be in the standing army (or navy) for seven years, as a rule from the finished twentieth till the commencing twenty-eighth year of his age, though liability to service begins on the completion of the seventeenth year. Of the seven years, three must be spent in active service and the remaining four in the army of reserve. Conscripts, whose conduct or proficiency earns them the privilege, are sometimes discharged from active service at the end of two years, though liable to recall. They are familiarly known as 'Königs Urlauber.' After quitting the army of reserve, the conscript has to form part of the Landwehr for another five years in the first class or 'ban,' and up to his thirty-ninth year in the second 'ban.'

About 400,000 young men reach the age of twenty every year, and when the numbers of those morally or physically unfit to serve, of volunteers, and of emigrants, are deducted, about 300,000 are left liable for service. Of these, however, owing to the legal limitation of the peace strength, only a certain number (chosen by lot) join the army, the remainder are drafted into the

*Ersatztruppen*, a kind of reserve, where the period of service is twelve years. Men in the *Ersatztruppen* are liable to three periods of drill (of ten, six, and four weeks respectively); but as financial considerations allow of only a certain number being so drilled, many receive no military training at all. At the end of twelve years the trained members of the *Ersatz* pass into the first ban of the *Landsturm*, the untrained into the second ban. By the Army Act of July, 1893, the annual levies would be increased by about 60,000 men, and the period of service under arms of the infantry would be reduced from 3 to 2 years, that of the cavalry and horse artillery being 3 years as before.

One-year volunteers, of whom about 8,000 join annually, serve at their own charges, and are not reckoned in the legal peace strength. Non-commissioned officers are generally appointed from men desiring to make the army their profession.

All able-bodied men between the age of seventeen and forty-five, who are neither in the standing army nor the reserves, must belong to the *Landsturm*, which is only called out in the event of an invasion of Germany. The *Landsturm* is divided into two classes or 'bans;' to the first ban belong those between the ages of seventeen and thirty-nine; to the second those between thirty-nine and forty-five.

The following table shows the strength and organisation of the imperial army on the peace footing in 1894-95:—

Peace Footing.	Officers	Rank and File	Horses
Infantry, 173 regiments . . . . .	11,774	363,750	—
Rifles, 19 battalions . . . . .	410	12,036	—
Bezirkskommandos, 288 . . . . .	700	5,352	—
Surgeons, Instructors, &c. . . . .	—	2,716	—
<b>Total Infantry . . . . .</b>	<b>12,884</b>	<b>383,854</b>	
Cavalry, 93 regiments . . . . .	2,352	65,175	63,680
„ special services (in- cluding officers) . . . . .	—	828	—
Field Artillery, 43 regiments „ special ser- vices (including officers) . . . . .	2,671	58,424	29,044
Foot Artillery, 17 regiments and 1 battalion . . . . .	869	22,941	37
Foot Artillery special ser- vices (including officers) . . . . .	—	132	—
Pioneers, 23 battalions, 3 railway regiments, includ- ing 1 balloon detachment, 1 railway battalion, and 3 railway companies . . . . .	728	19,015	—
Special Pioneer services . . . . .	—	124	—
Train, 21 battalions . . . . .	305	7,527	4,083
Special train services . . . . .	—	69	—
Special formations . . . . .	461	2,879	—
Non-regimental officers, &c. . . . .	2,264	237	—
<b>Total . . . . .</b>	<b>22,534</b>	<b>562,014</b>	<b>96,844</b>

By the law of August 3, 1893, to continue in force to March 31, 1899, the peace strength of the imperial army is 479,229 men, besides officers, surgeons, paymasters, &c.

No official returns of the war-strength of the German army are published ; but it is estimated that in the last extremity Germany on her present organisation would have a war-strength of over 3,000,000 trained men.

The mass of soldiers thus raised is divided into companies, battalions, regiments, and corps d'armée. The strength of an ordinary battalion in peace is 544 men, raised in war to 1,002 by calling in part of the reserves ; it is divided into four companies, each of which in war consists of 250 men. Exceptions to this general rule are the battalions of the guards and the regiments in garrison in the Reichsland of Alsace-Lorraine, the strength of which on the peace footing is 686 men. During peace each regiment of infantry consists of three battalions, each brigade of two regiments ; each infantry division of two brigades, to which, under the command of the divisional general, four squadrons of cavalry, four batteries of artillery, each of six guns, and either a battalion of riflemen or a battalion of pioneers are attached. Each field-artillery regiment is divided into three detachments, each of two, three or four batteries. In all there are 434 field batteries, of which 47 are mounted. Each battery numbers, as a rule, in peace four, in war six, fully mounted guns. In war the strength can be raised to 455 batteries. The corps d'armée is considered a unit which is independent in itself, and includes not only troops of all three arms, but a portion of all the stores and appliances which are required by a whole army. Each corps d'armée consists of two divisions of infantry, a cavalry division of four regiments, with two horse-artillery batteries attached, besides the two cavalry regiments attached to the infantry divisions, and a reserve of artillery of six field batteries and one mounted battery. There is, moreover, attached to each corps d'armée one battalion of pioneers and one of train.

The corps d'armée, with the exception of the corps of the guards, are locally distributed through the Empire. There are (besides the Prussian corps of the guards) 19 army corps districts and one divisional district for the 25th (Grand Ducal Hessian) division, 12 of which are named after Prussian provinces, and the remaining seven after States of the Empire. They are :— 1, East Prussia ; 2, Pomerania ; 3, Brandenburg ; 4, Saxony ; 5, Posen ; 6, Silesia ; 7, Westphalia ; 8, Rhineland ; 9, Schleswig-Holstein ; 10, Hanover ; 16, Hesse-Nassau ; 12, Saxony ; 13, Württemberg ; 14, Baden ; 15, Alsace ; 16, Lorraine ; 17, West Prussia ; and the 1st and 2nd Royal Bavarian Army Corps. Two of these army corps were added in 1890 ; so that on the lines of the above-mentioned report the total war-forces would embrace 21 corps, the guards corps forming the twentieth, the Hessian division being strengthened to form the twenty-first.

### III. NAVY.

After the war of 1870-71 the German navy was re-organised, and a *Flottengründungsplan* laid down. By a cabinet order of March 30, 1889, the administration was wholly re-organised. The chief command was separated from the administration, and vested in a naval officer, while the administration was transferred to the *Reichsmarineamt*, having at its head, under the chancellor, the naval secretary of state. The first of these officials deals generally with the movements of the fleet, and with questions relating



to coast defence, training, the efficiency of the *personnel*, &c.; while the imperial arsenals and dockyards, matters more especially concerning the *matériel*, clothing, victualling, &c., fall to the department of the secretary of state. The ships of the German navy are divided between the Baltic and North Sea stations. The chief naval establishments are at Kiel on the Baltic and Wilhelmshaven on the North Sea, and the strategic canal across the Schleswig-Holstein neck from Kiel to the Elbe, which is approaching completion, will facilitate the transference of forces from one base to the other. For administrative purposes the German littoral has been divided into six inspectorates, viz.—(1) East and West Prussia, (2) Pomerania and Mecklenburg, (3) Lübeck and Eastern Schleswig-Holstein, (4) Western Schleswig-Holstein, (5) the district of the Elbe and the Weser, and (6) the Jade, the East Frisian Islands, and Heligoland. The chief torpedo stations are at Friedrichsort, Wilhelmshaven, Kiel, Cuxhaven, and Geestemünde. The manœuvring squadron consists of eight ships, and there are sixteen vessels on foreign stations.

In the year 1888-89 a programme was laid down for practically a new fleet, including 4 first-class barbette battle-ships of about 10,000 tons, 10 'coast-defence' armouredclads of 3,600 tons, 8 cruiser-corvettes of 6,052 tons, 5 cruisers of 1,580 tons, and smaller vessels, but provision has not been made for all of these, and some changes have been introduced into the programme. In addition there are cruisers of the *Bussard* class to replace the *Eber* and *Adler*, lost at Samoa, as well as other ships to replace vessels removed from the first list of the fleet. It is proposed to lay down in 1895-96 a powerful first-class cruiser as substitute for the old *Leipzig*, three second-class cruisers (including one to take the place of the old corvette *Freya*), and a torpedo division boat.

The *personnel* to be provided for is as follows:—927 officers, 116 surgeons, 77 accountant officers, 12 gunsmiths, 865 warrant and 3,947 petty officers, 14,934 men, and 600 boys; in all 21,487. The increase of the *personnel* sanctioned in 1892-93 is being carried out, and a total addition of 970, exclusive of an increase of the medical staff, is proposed for the new financial year.

In the following tabular statement of the strength of the German fleet, only those projected vessels have been included for which votes have already been made by the Reichstag. The system upon which the table has been constructed is explained in the Introductory Table. The German official classification has recently been changed. Non-effective vessels and transports are not included. The 'port defence ships' are old ironclads and armoured gun-vessels:—

Battleships, 1st class	5	}	. . .	15
"    2nd class	5			
"    3rd class	5			
Port defence ships				13
Cruisers, 1st class (a)	1	}	. . .	9
"    "    (b)	8			
"    2nd class				9
"    3rd class (a)	18	}	. . .	21
"    "    (b)	3			
Torpedo-craft, 1st class <sup>1</sup>	114	}	. . .	134
"    2nd class	20			
				201

<sup>1</sup> Including 'division boats.'

The table which follows of the German armour-clad fleet is arranged in a manner similar to that adopted in the case of the British and French navies. The ships named in italics are classed as port defence vessels in the foregoing statement of strength. The numbers following the names of the others indicate the several classes to which they have been assigned. Abbreviations:—*b.* broadside; *c.b.* central battery; *t.* turret; *bar.* barbette; Q.F. quick firing. Light and machine guns are not given. The armament consists of Krupp guns:—

Description	Name	Launched	Displacement	Extreme Armouring	Armament	Torpedo Ejectors	Indicated Horse Power	Nominal Speed	
<i>b.</i>	König Wilhelm.	3	1868	Tons 9,600	Inches 12	18 9·4 in.; 5 8·2 in. (13-ton); 6 5·9 in.	5	8,000	14·7
<i>t.</i>	Preussen . . .	3	1873	6,660	10½	4 10·2 in.; 2 6·6 in.; 4 3·4 in. Q.F.	4	5,400	13·9
<i>t.</i>	Friedrich der Grosse	3	1874	6,660	10½	do. do.	4	5,400	14·2
<i>c.b.</i>	Kaiser . . .	3	1874	7,550	10	8 10·2 in.; 1 8·2 in.; 7 5·9 in.	5	8,000	13·7
<i>c.b.</i>	Deutschland . .	3	1874	7,550	10	do. do.	5	8,000	13·7
<i>bar.</i>	Sachsen . . .	2	1877	7,280	16	6 10·2 in.; 4 4·1 in. Q.F.	4	5,600	14·0
<i>bar.</i>	Bayern . . .	2	1878	7 2 0	16	do. do.	4	5,600	13·5
<i>bar.</i>	Württemberg . .	2	1878	7,280	16	do. do.	4	5,600	13·5
<i>bar.</i>	Baden . . .	2	1880	7,280	16	do. do.	4	5,600	13·5
<i>bar.</i>	Oldenburg . . .	2	1884	5,120	12	8 9·4 in.; 3·4 in. Q.F.	4	3,900	13·5
<i>bar.</i>	Brandenburg . .	1	1891	9,840	15¾	6 11 in.; 16 4·1 Q.F.; 8 3·4 Q.F.	7	9,500	16·0
<i>bar.</i>	Kurfürst Friedrich Wilhelm . . .	1	1891	9,840	15¾	do. do.	7	9,500	16·0
<i>bar.</i>	Weissenburg . .	1	1891	9,840	15¾	do. do.	7	9,500	16·0
<i>bar.</i>	Wörth . . .	1	1892	9,840	15¾	do. do.	7	9,500	16·0
<i>bar.</i>	Ersatz Preussen	1	cons.	9,840					
<i>bar.</i>	<i>Basilisk, Biene, Camäleon, Crocodil, Hummel, Mücke, Natter, Salamander, Skorpion, Viper, Wespe</i> —11 armoured gunboats		1876 to 1881	1,090	8	1 11·8 in. (35-ton)	1	700	9·0

Germany has but one cruiser of the character of vessels accepted, for purposes of comparison, as first-class cruisers *a* in this book, viz. those of at least 5,000 tons displacement, with a sea-speed of fifteen knots or more. This is the triple-screw 'cruiser-corvette' *Kaiserin Augusta*, for the *Irene* and *Prinzess Wilhelm* are somewhat inferior both in displacement and speed. The other first-class cruisers *b* in the following list are the 'fourth class' armouredclads of the *Siegfried* type, which are often described as coast-defence vessels. In a sense they doubtless are so, but their general characteristics seem to lift them rather into the class of vessels described as first-class armoured cruisers in this book. The letters *a* and *b* in the first column have reference to the two sections of first-class cruisers:—

	Name	Launched	Displacement Tons	Armament	Torpedo Ejectors	Indicated Horse Power	Nominal Speed
a	Kaiserin Augusta . . . . .	1892	6,050	12 5·9 in. ; 8 3·4 Q. F.	5	12,000	22·0
b	Siegfried . . . . .	1889	3,600	3 9·4 in. ; 6 3·4 Q. F.	4	4,800	16·0
b	Beowulf . . . . .	1890	3,600	do. do.	4	4,800	16·0
b	Frithjof . . . . .	1891	3,600	do. do.	4	4,800	16·0
b	Hildebrand . . . . .	1892	3,600	do. do.	4	4,800	16·0
b	Heindal . . . . .	1892	3,600	do. do.	4	4,800	16·0
b	Hagen . . . . .	1893	3,600	do. do.	4	4,800	16·0
b	T. . . . .	—	3,600	do. do.	4	4,800	16·0
b	V. . . . .	—	3,600	do. do.	4	4,800	16·0

Germany also subsidises, as auxiliary merchant cruisers, seven vessels with a nominal speed of from 19½ to 20 knots or more, viz. the *Fürst Bismarck* and *Normannia* (10,500 tons), and the *Columbia* and *Augusta Victoria* (9,500 tons), belonging to the Hamburg-American Steam Ship Company, and the North-German Lloyd steamers *Spree*, *Havel*, and *Lahn* (7,700 to 8,900 tons). These are to be severally armed, in case of war, with 8 5·9 in., 4 4·9 in., 2 3·1 in. Q.F., and 2 2·2 in. Q.F. Krupp guns.

The early German battleships were built abroad; but the ships of the new programme are being constructed not only in German yards, but almost exclusively of German materials. Of these, the *Brandenburg* battleships are steel-built, with complete belt, double bottom, transverse and longitudinal bulk-heads, and about 120 water-tight compartments. Their heaviest plating (compound) is of 15¾ inches, and the three protected barbette gun emplacements have 11¾ inches plating. These are in the axis of the ship, and the heavy guns are placed in them in pairs. The forward gun is raised considerably, and behind it lies the battery. The dimensions of these ships are—length, 254 feet 4 inches; beam, 64 feet; draught, 24 feet 7 inches. A ship of this class, known as the *Ersatz Preussen* (to replace the older vessel of that name), has been laid down at Wilhelmshaven, but considerable modifications of the *Brandenburg* type are to be introduced. The *Siegfried* ships are provided with powerful rams, and, having their works raised very high amidships, present a somewhat singular appearance. They are protected by water-tight compartments and cofferdams filled with cellulose, and have an end-to-end belt with an extreme thickness of 9½ inches. The heavy guns are placed, two forward in an oval barbette, and one aft in a pear-shaped barbette, and the lighter pieces on the fore-castle and poop and at the corners of the superstructure. The 'cruiser-corvette' *Kaiserin Augusta*, is steel-built, planked, and coppered, has two fighting-masts, and has the special feature of being provided with three independent screws, like the French *Dupuy de Lôme*, a speed of ten knots being attainable with the middle one alone. Instead of other vessels of this class, a powerful cruiser, the largest in the German navy (about 8,500 tons), is proposed to be laid down in 1895-96. The *Bussard* cruisers have their offensive strength in their ram, and in their chief guns, which are disposed two forward, two aft, and two on each broadside (in sponsons).

The German navy is manned by the obligatory service of the maritime population (*seemännische Bevölkerung*)—sailors, fishermen, ships' carpenters, and others; and also of the semi-maritime population—that is, of those who have smaller experience of the sea. All these are freed on this account from service in the army. Great inducements are held out for able seamen to

volunteer in the navy, and the number of these in recent years has been very large. The total seafaring population of Germany is estimated at 80,000, of whom 48,000 are serving in the merchant navy at home, and about 6,000 in foreign navies.

## Production and Industry.

### I. AGRICULTURE.

In Prussia, by a series of ordinances from 1807 to 1850, complete free trade in land has been established, and all personal and material burdens removed that would stand in the way of this. With the exception of the Mecklenburgs, similar legislation has been applied to the land in other parts of Germany. Generally speaking, small estates and peasant proprietorship prevail in the West German States, while large estates prevail in the north-east. In Prussia, large estates, with an area of 250 acres and more, prevail in Pomerania, Posen, East and West Prussia; while the districts of Koblenz, Wiesbaden, Treves, Baden, and Württemberg are parcelled out into small estates.

Of the whole area of Germany, 94 per cent. is classed as productive, and only 6 unproductive. The subdivision of the soil, according to the latest official returns (1883), was as follows (in hectares; 1 hectare = 2.47 acres):—Arable land, vineyards, and other cultivated lands, 26,311,968; grass, meadows, permanent pasture and waste lands, 10,944,570; woods and forests, 13,908,398; all other, 2,860,149.

On June 5, 1882, the total number of agricultural enclosures (including arable land, meadows, cultivated pastures, orchards, and vineyards) each cultivated by one household, was as follows:—

Under 1 Hectare	Between 1 and 10 Hectares	Between 10 and 100 Hectares	Above 100 Hectares	Total
2,323,316	2,274,096	653,941	24,991	5,276,344

These farms supported 18,840,818 persons, of whom 8,120,518 were actually working upon them.

The areas under the principal crops, in hectares, were as follows:—

	1889-90	1890-91	1891-92	1892-93
Wheat . . .	1,956,441	1,960,181	1,885,284	1,975,652
Rye . . .	5,801,889	5,820,317	5,479,677	5,678,733
Barley . . .	1,685,000	1,664,188	1,806,695	1,690,096
Oats . . .	3,886,627	3,904,020	4,154,683	3,987,719
Buckwheat . . .	201,991	194,576	190,202	180,290
Potatoes . . .	2,917,720	2,905,870	2,922,766	2,929,808
Hay . . .	5,909,337	5,909,543	5,906,277	5,892,717
Beetroot (sugar) . . .	—	—	—	—
„ (fodder) . . .	396,779	398,896	408,317	417,467
Vines . . .	120,935	120,300	119,294	118,292
Tobacco . . .	17,397	20,114	18,533	—
Hops . . .	45,797	44,505	43,640	43,434

The total yield of their products in the years indicated, in metric tons (1 metric ton = 2,200 lbs. or .984 an English ton), or hectolitres (hectolitre = 22 gallons), and in tons or hectolitres per hectare, was as follows:—

	1889-90		1890-91		1891-92		1892-93	
	Tons	Per Hect.	Tons	Per Hect.	Tons	Per Hect.	Tons	Per Hect.
Wheat . . .	2,372,413	1.21	2,830,921	1.44	2,333,757	1.24	3,162,885	1.60
Rye . . .	5,363,426	0.92	5,868,078	1.01	4,782,804	0.87	6,327,712	1.20
Barley . . .	1,938,419	1.15	2,283,432	1.37	2,517,374	1.39	2,420,736	1.43
Oats . . .	4,197,124	1.08	4,913,544	1.26	5,279,340	1.27	4,743,036	1.19
Buckwheat . . .	123,097	0.61	109,702	0.56	104,652	0.55	89,641	0.50
Potatoes . . .	26,603,965	9.12	23,320,9.3	8.03	18,558,379	6.35	27,988,557	9.55
Hay . . .	18,423,230	3.12	18,859,888	3.19	18,715,112	3.17	16,833,897	2.86
Beetroot (sugar) . . .	9,825,039	—	10,623,319	—	9,488,002	—	9,789,515	—
„ (fodder) . . .	7,387,722	18.62	7,726,896	19.37	7,332,284	17.96	7,403,148	17.99
Tobacco . . .	39,012	2.24	42,372	2.11	34,774	1.68	—	—
Hops . . .	35,783	0.78	24,731	0.56	21,944	0.50	24,515	0.56
Wine . . .	Hectolitrs 2,021,569	16.7	2,974,593	24.7	743,462	6.3	1,673,626	14.1

The number of domestic animals in Germany on December 1, 1892, was:—

States	Horses	Cattle	Sheep	Swine	Goats
Prussia . . .	2,647,388	9,850,960	10,092,568	7,704,351	1,953,748
Bavaria . . .	368,636	3,333,953	965,772	1,356,674	268,992
Saxony . . .	148,417	664,077	104,882	433,435	128,482
Alsace-Lorraine . . .	137,342	486,951	97,293	370,277	62,055
Württemberg . . .	101,625	970,059	384,335	394,402	69,987
Baden . . .	64,089	635,015	98,369	390,761	102,574
Other States . . .	350,442	1,555,681	2,031,844	1,406,901	491,884
Total, 1892 . . .	3,817,939	17,496,696	13,775,063	12,056,804	3,077,722
Total, 1883 . . .	3,522,545	15,786,764	19,189,715	9,206,195	2,640,990

## II. FORESTRY.

Forestry in Germany is an industry of great importance, conducted under the care of the State on scientific methods. About 34,347,000 acres or 25·7 per cent. of the area of the empire, were estimated to be occupied by forests in 1889. In South and Central Germany from 30 to 38 per cent. of the surface is covered with forests: and in parts of Prussia 20 per cent. From forests and domains alone Prussia receives a revenue of about 4 millions sterling.

## III. MINING.

The great bulk of the minerals raised in Germany is produced in Prussia, where the chief mining districts are Westphalia, Rhenish Prussia, and Silesia, for coal and iron, the Harz for silver and copper, and Silesia for zinc. Saxony has coal, iron, and silver mines; and Lorraine rich coal-fields.

The annual quantities of the principal minerals raised in five years are shown in the following table, the returns for 1893 being provisional only:—

—	1889	1890	1891	1892	1893
	Tons	Tons	Tons	Tons	Tons
Coal . . . . .	67,342,200	70,237,800	73,715,700	71,372,200	73,909,000
Lignite . . . . .	17,631,100	19,053,000	20,536,600	21,171,900	21,567,200
Iron Ore . . . . .	11,002,200	11,406,100	10,657,500	11,539,100	11,457,600
Zinc ore . . . . .	708,800	759,400	793,500	800,200	788,400
Lead ore . . . . .	169,600	168,200	159,200	163,400	168,400
Copper ore . . . . .	573,300	596,100	587,600	567,700	584,900
Rock Salt . . . . .	544,600	557,100	666,800	662,600	669,000
Potassic salt . . . . .	1,185,700	1,274,900	1,371,300	1,351,100	1,526,100
Other products . . . . .	256,600	269,700	273,900	256,300	262,300

The total value of the minerals raised in Germany and Luxemburg in 1892 was 712 million marks, in 1893 670 million marks.

The following table shows particulars of the production of the foundries in Germany and Luxemburg in 1892 and the number of foundries engaged principally or partly with each metal in 1892:—

—	Quantity in metric tons 1892	Value in 1,000 marks 1892	Foundries engaged 1892		Average No. Hands 1892
			Chiefly	Partly	
Pig iron . . . . .	4,937,461	229,296	109	—	24,325
Zinc . . . . .	139,938	55,062	28	3	9,599
Lead . . . . .	97,742	20,547	13	9	2,844
Copper . . . . .	24,781	24,758	9	6	3,616
Silver . . . . .	489	57,229	8	15	2,499
Tin . . . . .	684	1,240	2	1	40
Sulphur and sulph. acid . . . . .	490,203	15,082	61	16	3,622

In addition to the above, about 3,859 kilograms of gold, valued at 10,735,775 marks were produced. Nickel, bismuth, vitriol, and other chemical manufactures were produced to a total weight of 28,073 tons, and to a total value of 10,413,547 marks.

The total value of the productions of the foundries of all kinds in 1892 was 424,363,697 marks. The total quantity of finished iron produced in Germany in 1892 was 5,130,891 metric tons, and its value 671,676,640 marks. In 1892 there were in Germany and Luxemburg 1,561 works producing finished iron, including steel-works. Over 192,699 men are employed in connection with the various stages of iron (including pig iron), besides 36,322 iron-miners. In connection with coal and lignite mining alone the average number of hands engaged was 326,895 in 1892.

#### IV. FISHERIES.

The German fisheries are not important. In 1875 the fishing population was 19,623; in 1882 it was 13,392. In 1892 (January 1) 446 boats (17,011 tons), with an aggregate crew of 1,868, were engaged in deep-sea fishing in the North Sea for cod and herrings. The Baltic fisheries are more developed. In 1893 fresh fish to the value of 5,224,000 marks were exported, while the imports of fresh fish were valued at 13,102,000 marks, of salted herrings at 28,363,000 marks, of other salted, preserved, and dried fish at 3,629,000 marks, and of oysters, lobsters, and all other marine shell-fish at 2,394,000 marks.

#### V. MANUFACTURES.

The chief seats of the German iron manufacture are in Prussia, Alsace-Lorraine, Bavaria, and Saxony. Steel is made in Rhenish Prussia. Saxony is the leading State in the production of textiles, but Westphalia and Silesia also produce linen; Alsace-Lorraine Württemberg, and Baden produce cotton goods. Woollens are manufactured in several Prussian provinces; silk in Rhenish Prussia, Alsace, and Baden. Beetroot sugar is an important manufacture in Prussia, Brunswick, and Anhalt; glass, porcelain, and earthenware in Silesia, Thuringia, and Saxony; cloaks and wooden ware in Württemberg and Bavaria; and beer in Bavaria and Prussia.

The following table shows the number per 10,000 inhabitants of some of the leading German States engaged in the principal manufactures according to the census of occupation in 1882. Additional information should be looked for under the various States:—

—	Iron Manufacture	Machinery, Instruments	Textile	Paper	Leather and India-rubber	Wooden ware
Prussia . . .	89·3	71·8	156·9	17·9	24·6	91·0
Bavaria . . .	69·4	55·5	114·7	16·6	20·5	107·0
Württemberg . .	88·9	87·2	171·6	27·8	32·6	128·2
Saxony . . .	91·1	138·9	781·8	61·0	31·9	137·7
Baden . . .	68·5	94·4	152·2	25·8	30·7	119·6
Alsace-Lorraine	83·5	100·5	463·6	20·4	20·3	110·1
German Empire	85·4	78·7	201·3	22·2	26·9	103·9

The following are the statistics of the beetroot sugar manufacture in the Zollgebiet :—

Years	Number of Factories	Beetroot used in Metric Tons	Production in Metric Tons		No. of Kgs. Beetroot to produce 1 Kg. of Sugar
			Raw Sugar	Molasses	
1888-89	396	7,896,183	944,505	201,189	8·36
1889-90	401	9,822,635	1,213,689	240,797	8·09
1890-91	406	10,623,319	1,284,485	263,094	8·27
1891-92	403	9,488,002	1,144,368	244,969	8·29
1892-93	401	9,811,940	1,175,137	241,805	8·35

The total amount of refined sugar produced in 1892-93 was 768,420 tons, in 1891-92 721,053 tons ; in 1889-90, 679,213 tons ; in 1888-89, 560,148 tons.

In 1892-93 there were 31 manufactories of sugar from starch which yielded 8,687 tons of dry sugar, 28,129 tons of syrup, and 3,062 tons of colour.

The following table shows the quantity of beer brewed within the customs district at various periods. The Beer-excise district (*Brausteuergelbiet*) includes all the States of the Zollgebiet, with the exception of Bavaria, Württemberg, Baden, and Alsace-Lorraine, in each of which the excise is separately collected. The amounts are given in thousands of hectolitres (1 hectolitre = 22 gallons) :—

Years	Beer Excise Dist.	Bavaria	Württem-berg	Baden	Alsace-Lorraine	Total
1888-89	28,656	13,526	3,153	1,509	759	47,603
1889-90	32,189	14,284	3,419	1,631	798	52,321
1890-91	32,280	14,427	3,508	1,679	837	52,731
1891-92	32,632	14,490	3,454	1,643	875	53,094
1892-93	33,171	15,104	3,750	1,714	912	54,651

The total number of active breweries in the Beer-excise district was in 1892-93, 8,460 ; 1891-92, 8,672 ; 1890-91, 8,969 ; 1889-90, 9,275 ; in 1888-89, 9,556 ; on the annual average of 1881 to 1885, 10,755. The amount brewed per head of the population in 1892-93 was in litres (1 litre = 1·76 imperial pint) :—the Excise district 84, Bavaria 267, Württemberg 183, Baden 102, Alsace-Lorraine 56. The average annual consumption per head of the population of the entire Zollgebiet for the twenty years 1873-93, was 93 litres or 20·5 gallons. In 1892-93, there were 60,025 distilleries in operation, which produced 3,029,000 hectolitres of alcohol.

### Commerce.

The commerce of the Empire is under the administration and guidance of special laws and rules, emanating from the Zollverein, or Customs League, which, since October 15, 1888, embraces practically the whole of the states of Germany, the two free ports of Hamburg and Bremen, with one or two other small places, having been then incorporated. A few districts in Baden, with a population of 3,867, and a small part of the port of



Hamburg (190 inhabitants) remain still unincorporated. Included in the Zollverein is the Grand Duchy of Luxemburg, and also the Austrian communes of Jungholz and Mittelberg.

The following table shows (in thousands of marks) the special trade for six years:—

Years	Imports	Exports	Years	Imports	Exports
1888	3,435,877	3,352,602	1891	4,403,404	3,339,755
1889	4,087,060	3,259,421	1892	4,227,004	3,150,104
1890	4,272,910	3,409,584	1893	4,134,070	3,244,562

Germany had besides a direct transit-trade, valued in 1890 at 1,312,184,000 marks.

The following are the principal details of the special commerce for 1892 and 1893:—

	1892		1893	
	Imports in 1,000 marks	Exports in 1,000 marks	Imports in 1,000 marks	Exports in 1,000 marks
Living animals . . . . .	261,113	25,125	221,958	25,986
Animal products . . . . .	119,838	24,799	137,066	29,692
Articles of consumption . . . . .	1,242,990	344,704	1,094,723	400,116
Seeds and plants . . . . .	48,925	29,855	64,020	39,256
Fuel . . . . .	98,251	134,705	96,943	140,459
Fats and oils . . . . .	221,502	25,654	244,883	32,545
Raw and manufactured materials:—				
Chemicals, drugs, &c. . . . .	266,365	286,043	273,078	299,101
Stone, clay, and glass . . . . .	59,028	110,254	56,614	111,408
Metals and metal wares . . . . .	388,160	512,105	346,639	477,683
Wooden wares . . . . .	224,309	101,200	226,254	100,941
Paper goods . . . . .	16,781	92,194	21,680	91,625
Leather, &c. . . . .	172,923	206,870	187,468	204,802
Textiles . . . . .	962,323	903,953	1,024,581	916,916
Caoutchouc, &c. . . . .	34,105	26,406	31,708	24,976
Machinery, instruments, &c. . . . .	54,401	155,332	54,330	164,133
Hardware, &c. . . . .	24,919	77,600	23,099	79,783
Literature, art, &c. . . . .	31,071	92,773	29,026	104,289
Various . . . . .	—	532	—	851
<b>Total . . . . .</b>	<b>4,227,004</b>	<b>3,150,104</b>	<b>4,134,070</b>	<b>3,244,562</b>

In Germany, the average value of each article is fixed annually, under the direction of the Imperial Statistical Office, by a commission of experts, who receive information from Chambers of Commerce and other sources. There are separate valuations for imports and exports. The price fixed is that of the goods at the moment of crossing the frontier. For imports the price does not include Customs duties, cost of transport, insurance, warehousing, &c., incurred after the frontier is passed. For exports, the price includes all charges within the territory, but does not include export duties, nor are drawbacks or bounties taken into account. The quantities are determined according to obligatory declarations, and, for imports, the fiscal authorities may actually weigh the goods. For packages, an official tare is deducted.

All the receipts from customs duties and excise of the Deutsche Zollgebiet are paid into the Imperial Exchequer, and the excess over 130,000,000 marks is distributed, *pro rata* of population, among the States of the Empire and Luxemburg. The chief sources of revenue are customs duties, only on imports, and taxes upon spirits, beer (malt), salt, sugar manufactured from beet-root, and tobacco, &c. Since 1879 Germany has been protectionist in her commercial policy. Of the total imports in 1893, the value of 2,117,900,000 marks was subject to duty, and 2,016,170,000 duty-free. The duties levied amounted to 356,327,000 marks, or 16·8 per cent. of the value of the imports subject to duty.

The combined imports of gold and silver (included in the above) amount to 233,539,000 marks, and exports 163,650,000 marks for 1891, and 189,082,000 marks for 1892; and 150,395,000 and 151,552,000 marks for 1893.

Some of the leading imports and exports under the above heads were, in thousands of marks value, as follows in 1893:—

—		1,000 Marks	—		1,000 Marks	—		1,000 Marks
IMPORTS	Horses . . .	49,298	Barley . . .	96,332	Cotton (raw) . .	221,254	Wool . . .	229,937
	Swine . . .	95,031	Coffee (raw) . .	213,833	Woolen yarn . . .	117,322	Raw silk . . .	98,945
	Wheat . . .	88,897	Petroleum . . .	47,283	Raw hides . . .			
	Rye . . .	23,624						
EXPORTS	Hops . . .	33,071	Paper . . .	55,897	Woollen fabrics (unprinted) . .	140,441	Hosiery . . .	84,402
	Sugar . . .	221,152	Leather goods	77,156			Haberdashery . .	89,594
	Coal and coke.	133,857	Cotton cloth (coarse)	69,207				
	Aniline dyes . .	53,176	Mixed silk and cotton cloth . .	124,580				
	Wooden goods.	44,873						

The special commerce of the Deutsche Zollgebiet (all but a fractional area of Hamburg and Bremen were included October 1888) was divided as follows in 1892 and 1893:—

Countries	1892		1893	
	Imports from	Exports to	Imports from	Exports to
	1,000 Marks	1,000 Marks	1000 Marks	1000 Marks
German Free Ports . . .	16,861	38,167	15,306	31,788
Great Britain . . .	620,971	639,995	656,635	674,013
Austria-Hungary . . .	575,407	376,561	580,244	420,545
Russia . . .	383,386	239,485	353,441	184,595
Switzerland . . .	141,592	173,757	143,691	187,367
Belgium . . .	208,221	140,728	189,869	147,757
Netherlands . . .	212,066	233,806	214,176	240,688
France and Algeria . .	262,297	202,868	241,417	203,119
Italy . . .	134,572	91,231	149,680	85,413
Norway and Sweden . .	75,434	105,315	80,674	109,622
Denmark . . .	76,166	75,641	50,254	80,829
Spain . . .	40,743	40,558	35,935	33,051

Countries	1892		1893	
	Imports from	Exports to	Imports from	Exports to
	1,000 Marks	1,000 Marks	1,000 Marks	1,000 Marks
Balkan Peninsula (including Greece, Montenegro, and Turkey in Asia) . . . . .	98,581	92,512	122,573	97,074
Portugal . . . . .	13,298	7,412	13,741	12,038
British India . . . . .	149,861	32,278	178,809	46,936
Rest of Asia . . . . .	45,813	61,164	56,528	69,913
Africa (except Algeria) . . . . .	64,320	28,682	71,867	34,867
North and Central America . . . . .	649,494	379,158	497,112	389,863
South America and West Indies . . . . .	365,577	158,461	384,153	175,600
Australia . . . . .	85,494	20,754	96,993	18,510
Other countries . . . . .	6,850	11,571	972	974
Total . . . . .	4,227,004	3,150,104	4,134,070	3,244,562

The following table shows the amount of the commercial intercourse between Germany and the United Kingdom in five years, according to the Board of Trade Returns :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Germany into U.K. . . . .	27,104,832	26,073,331	27,031,743	25,726,738	26,364,849
Exports of British produce to Germany . . . . .	18,343,243	19,293,626	18,804,329	17,583,412	17,698,457

Including foreign and colonial produce, the total exports from the United Kingdom to Germany in 1893 amounted to 27,954,494*l.*

The following tables give the declared value of the principal articles imported into the United Kingdom from, and exported from the United Kingdom to Germany in five years :—

Staple Imports into U.K. from Germany	1889	1890	1891	1892	1893
	£	£	£	£	£
Cereals and flour . . . . .	2,445,758	1,319,727	835,676	636,663	589,964
Sugar . . . . .	8,773,220	8,503,237	9,517,563	9,546,819	10,562,655
Animals, live . . . . .	396,835	136,899	135,169	136,996	62,425
Bacon and hams . . . . .	186,552	4,937	13,026	13,655	34,734
Eggs and butter . . . . .	1,484,620	1,412,930	1,397,885	1,541,054	1,449,337
Timber . . . . .	1,387,824	1,309,243	1,223,644	1,212,676	957,607
Zinc . . . . .	613,661	562,213	623,524	407,307	445,734
Woollen manufactures . . . . .	574,472	670,444	767,284	774,483	741,776

Principal articles of British Produce exported to Germany	1889	1890	1891	1892	1893
	£	£	£	£	£
Cotton manufactures and yarn . . .	2,874,967	2,808,715	2,692,490	2,455,169	2,523,736
Woollen manufactures and yarn . . .	3,012,764	2,769,392	2,721,630	2,911,962	3,065,212
Iron, wrought and unwrought . . .	1,291,520	1,532,169	1,038,861	931,091	965,218
Herrings . . .	822,230	906,342	913,221	807,771	837,598
Machinery . . .	1,731,774	1,851,890	1,578,761	1,427,514	1,432,711
Coals, cinders, &c. . .	1,403,855	1,888,320	2,247,948	1,825,407	1,559,233

Other exports of British produce to Germany in 1893 are alkali, 49,133*l.*; chemicals, 282,075*l.*; hardwares, 110,519*l.*; leather, 293,294*l.*; linen and linen goods, 585,322*l.*; oils, 434,184*l.*; wool, 1,065,645*l.*

Great Britain exported to Germany foreign and colonial cotton valued at 673,588*l.*; wool at 3,575,577*l.* in 1893. Tea exported to Germany from Great Britain declined from 1,082,950*l.* in 1884 to 305,828*l.* in 1893.

The ports of Hamburg and Bremen are the chief gates of commercial intercourse of Germany with the United Kingdom.

### Shipping and Navigation.

The following was the distribution of the mercantile navy of Germany on January 1, 1892, 1893, and 1894.

	Baltic Ports		North Sea Ports		Total Shipping	
	Number	Tonnage	Number	Tonnage	Number	Tonnage
1892 :—						
Sailing vessels	809	172,524	1,889	531,750	2,698	704,274
Steamers . . .	387	154,605	554	610,106	941	764,711
Totals . . .	1,196	327,129	2,443	1,141,856	3,639	1,468,985
1893 :—						
Sailing vessels	760	160,950	1,982	564,232	2,742	725,182
Steamers . . .	392	156,658	594	629,739	986	786,397
Totals . . .	1,152	317,608	2,576	1,193,971	3,728	1,511,579
1894 :—						
Sailing vessels	696	140,217	2,017	558,139	2,713	698,356
Steamers . . .	388	158,000	628	665,702	1,016	823,702
Totals . . .	1,084	298,217	2,645	1,223,841	3,729	1,522,058

Of the total shipping in 1892, 2,189 of 342,626 tons; in 1893, 2,132 of 328,771 tons; in 1894, 2,086 of 312,439 tons belonged to Prussian ports. The total number of sailors in the merchant navy in 1894 was 41,387.

The size of the various ships in 1894 was as follows:—

—	Under 100 Tons	100-500 Tons	500-1,000 Tons	1,000-2,000 Tons	2,000 Tons and over
Sailing vessels	1,707	591	167	229	19
Steamers	241	238	226	201	110

Of the sailing vessels 432 were totally of iron or steel; of the steamers 1,007 were of iron or steel.

The following table shows the shipping of the German Empire, in which each vessel, if it entered *several* ports on a single voyage, is counted only once:—

—	With Cargoes		In Ballast		Total	
	Number	Tonnage	Number	Tonnage	Number	Tonnage
1890:—						
Entered .	54,834	12,015,880	10,041	1,065,027	64,875	13,080,907
Cleared .	46,512	9,092,935	18,406	4,017,764	64,918	13,110,699
1891:—						
Entered .	56,564	13,290,531	10,172	1,188,089	66,736	14,478,620
Cleared .	47,580	9,724,023	19,172	4,766,299	66,752	14,490,322
1892:—						
Entered .	56,263	13,101,500	9,664	1,085,907	65,927	14,187,407
Cleared .	47,756	9,549,567	17,825	4,559,383	65,581	14,108,950

The number and tonnage of foreign shipping of the German Empire entered and cleared as compared with national shipping were as follows in 1892:—

Foreign ships	Entered				Cleared			
	With Cargoes		In Ballast		With Cargoes		In Ballast	
	No.	Tonnage	No.	Tonnage	No.	Tonnage	No.	Tonnage
British .	4,868	3,945,963	251	262,168	2,900	2,044,305	2,192	2,146,123
Danish .	4,675	772,315	1,286	96,832	3,831	639,769	2,149	224,856
Swedish .	2,809	596,031	133	34,748	1,379	361,780	1,560	270,652
Dutch .	1,105	194,143	192	19,458	941	182,565	303	28,434
Norwegian .	1,047	433,030	61	26,987	677	262,654	412	185,348
Russian .	567	167,785	10	2,785	237	74,067	327	87,789
Total, including other foreign								
German ships	15,309	6,289,175	1,938	446,318	10,139	3,683,810	7,023	3,013,404
	40,954	6,812,325	7,726	639,589	37,617	5,865,757	10,802	1,545,979

The shipping at the seven principal ports of Germany was as follows in 1892:—

	With Cargoes		In Ballast		Total	
	Number	Tonnage	Number	Tonnage	Number	Tonnage
Hamburg : <sup>1</sup> —						
Entered	8,137	5,343,485	692	339,868	8,829	5,683,353
Cleared	6,928	4,074,332	2,129	1,668,489	9,057	5,742,821
Stettin :—						
Entered	3,659	1,206,370	103	271,171	3,762	1,233,541
Cleared	2,831	871,566	869	358,920	3,700	1,230,486
Bremen : <sup>2</sup> —						
Entered	2,772	1,260,157	323	98,034	3,095	1,358,191
Cleared	1,973	1,046,197	1,087	304,658	3,060	1,350,855
Kiel :—						
Entered	3,491	580,137	120	11,543	3,611	591,680
Cleared	2,184	329,186	1,450	251,540	3,634	580,726
Lübeck : <sup>3</sup> —						
Entered	2,349	505,335	76	11,628	2,425	516,963
Cleared	1,708	343,149	719	181,087	2,427	524,236
Neufahrwasser (Dantzig) :—						
Entered	1,349	497,956	233	86,522	1,582	584,478
Cleared	1,382	457,745	194	119,353	1,576	577,098
Königsberg :—						
Entered	1,141	316,000	189	81,556	1,330	397,556
Cleared	1,331	404,448	66	22,000	1,397	426,448

<sup>1</sup> Including Cuxhaven.<sup>2</sup> Including Bremerhaven and Vegesack.<sup>3</sup> Including Travemünde.

The vessels engaged in the coasting trade and inland navigation (not included in the above tables) on January 1, 1893, numbered 22,848, of which 22,378 had an aggregate burden of 2,760,553 tons.

## Internal Communications.

### I. RAILWAYS.

The great majority of the German railways are now owned by the Imperial or State Governments. Out of 27,439 miles of railway completed and open for traffic, only 3,206 miles belonged to private companies, and of these 296 were worked by Government. Narrow-gauge lines measured 788 miles (Government lines 334 miles) in 1892-93.

The mileage and financial condition of German railways (including narrow-gauge lines) are shown as follows, for five years ending 1892-93 :—

Years	Total Length, in English miles	Total Capital, in 1,000 marks	Expenditure (1,000 marks)	Receipts (1,000 marks)	Percentage on Capital of Surplus
1888-89	25,358	10,116,246	635,813	1,172,188	5.30
1889-90	25,958	10,304,442	703,916	1,271,086	5.50
1890-91	26,627	10,510,359	805,339	1,307,416	4.78
1891-92	26,971	10,726,246	876,054	1,348,864	4.41
1892-93	27,439	10,917,237	862,267	1,353,083	4.50

Certain lines not open to public traffic, which in 1892-93 measured 1,803 miles, are not included in the above figures. In 1892-93 230,864,000 metric tons of goods, including live cattle, were carried by German railways, and paid 888,577,000 marks. The number of passengers conveyed in 1892-93 was 488,171,000, yielding 354,793,000 marks. In these numbers narrow-gauge lines are not included.

## II. POSTS AND TELEGRAPHS.

The postal and telegraphic services in Bavaria and Württemberg are retained in the hands of their respective Governments; but all other parts of the Empire are united to form an imperial postal district (*Reichspostgebiet*). The following table shows the number of employés and offices of the post and telegraph services for the year 1893:—

—	Employés	No. of Post Offices	No. of Boxes	No. of Telegraph Offices
Reichspostgebiet . . .	142,468	25,985 <sup>1</sup>	80,437	16,902 <sup>2</sup>
Bavaria . . . . .	13,043	1,974	10,391	1,845
Württemberg . . . . .	5,945	653	4,321	637
Total in Empire . . .	161,456	28,612 <sup>1</sup>	95,149	19,384 <sup>2</sup>

<sup>1</sup> Including 21 post-offices in the German Dependencies and abroad.

<sup>2</sup> Including 5 telegraph offices in the German Dependencies.

The amount of business transacted by the post-offices is illustrated by the following statistics of articles transmitted by post, and the value of post-office orders, in marks, for the year 1893:—

—	Reichspostgebiet	Bavaria	Württemberg	Total
Letters . . . . .	1,094,333,514	114,913,270	42,943,446	1,252,190,230
Post Cards . . . . .	385,934,976	25,394,940	14,032,944	425,362,860
Printed matter . . . . .	471,295,176	37,241,770	22,348,371	530,885,320
Samples . . . . .	30,677,658	2,480,050	1,124,292	34,282,000
Journals . . . . .	808,257,036	114,249,404	44,965,618	967,472,058
Total, including other despatches . . . . .	2,878,996,588	302,872,489	129,653,212	3,311,522,289
Money sent (marks) . . . . .	18,016,532,164	1,806,662,915	815,378,240	20,638,573,319

The financial condition of the united postal and telegraphic services in 1893-94 was as follows:—

—	Reichspostgebiet	Bavaria	Württemberg	Empire
Receipts . . . . .	256,466,749	22,802,840	11,345,829	290,615,418
Expenditure . . . . .	239,776,366	20,961,592	10,149,785	270,887,743
Surplus . . . . .	16,690,383	1,841,248	1,196,044	19,727,675

The following are the telegraph statistics for the year 1893 :—

—	Telegraph Lines, English miles	Telegraph Wires, English miles	Inland Telegrams	Foreign Telegrams
Reichspostgebiet .	66,045	245,017	19,592,554	8,775,932
Bavaria . . .	7,559	23,404	1,719,669	498,471
Württemberg .	2,955	7,551	610,518	167,072
Total in Empire	76,559	275,972	21,922,741	9,441,475

### Money and Credit.

The following table shows the value (in thousands of marks) of the money coined since the foundation of the present Empire :—

Year	Gold	Silver	Nickel	Copper	Total
1889	202,379·2	744·0	3,115·5	452·6	206,691·3
1890	99,349·2	—	2,595·5	372·8	102,317·5
1891	59,988·3	4,786·8	1,436·7	171·6	66,383·4
1892	37,243·2	5,201·1	1,951·6	433·6	44,829·5
1893	110,420·9	8,797·1	2,026·1	312·0	121,556·1
Total (since 1872) .	2,737,790·9	484,048·6	51,587·4	12,287·4	3,285,714·3
Withdrawn	3,328·2	13,038·5	2·1	0·1	16,368·9
Surplus .	2,734,462·7	471,010·1	51,585·3	12,287·3	3,269,345·4

The amount of the above total removed from circulation through export, melting, or loss cannot be estimated. Certain coins ('Thaler') previously in circulation are still legal tender, though they are gradually being withdrawn from circulation. Their total value is estimated (1894) at about 400,000,000 marks in 'Vereinsthaler,' of which 51,500,000 marks were coined in Austria before the end of 1867.

The following table shows the average financial condition of the note-issuing banks (*Notenbanken*), in thousands of marks :—

Year	Bks.	LIABILITIES				ASSETS			
		Capital	Reserve Fund	Notes in Circulation	Total including other Liabilities	Coin & Bullion	Notes of State & other Banks	Bills	Total including other Assets
1889	16	263,144	43,488	1,206,312	1,988,087	948,301	48,964	773,757	1,996,725
1890	13	231,325	42,701	1,196,976	1,902,470	871,960	48,253	771,243	1,917,404
1891	9	221,815	43,547	1,179,387	1,959,899	965,025	48,161	745,264	1,974,593
1892	9	222,494	45,590	1,194,019	2,037,806	1,017,482	51,521	769,451	2,047,521
1893	9	222,672	46,026	1,158,320	1,952,739	921,735	49,930	790,370	1,962,984



'Reichskassenscheine,' small paper notes for 5, 20, and 50 marks, were in circulation at the end of March 1892 to the value of 120,000,000 marks. These are not legal tender. Owing to the establishment of a tax upon bank-notes issued in excess of a certain proportion to the reserve fund, the number of note-issuing banks is only 9 (1893).

## Money, Weights, and Measures.

### MONEY.

The *Mark*, of 100 *Pfennige* is of the value of  $11\frac{1}{3}d.$ , or 20·43 marks to the pound sterling. The *Thaler* is 3 marks.

Gold coins are 20, 10, and 5-mark pieces, called respectively *doppel-krone*, *krone*, and *halb-krone*. The 20-mark piece weighs 7·96495 grammes ·900 fine, and consequently contains 7·16846 grammes of fine gold.

Silver coins are 5, 2, and 1-mark pieces, and 50 and 20-pfennige. The mark weighs 5·5 grammes ·900 fine, and thus contains 5 grammes of fine silver.

Nickel coins are 10 and 5-pfennige pieces. There are bronze coins of smaller denominations.

The standard of value is gold, but old thalers are still legal tender. Other silver is legal tender only up to 20 marks.

### WEIGHTS AND MEASURES.

The metrical system of weights and measures came into force in Germany on January 1, 1872. The names of the metrical weights and measures and the British equivalents are:—

The <i>Gram</i> . . . . .	= 15·43 grains troy.
„ <i>Kilogram</i> . . . . .	= 2·205 lbs. avoirdupois.
„ <i>Tonne</i> , 1,000 <i>Kg.</i> . . . .	= 2,200 lbs. = 19·7 cwt.
„ <i>Liter</i> , <i>Mass</i> . . . . .	= 1·76 imperial pint.
„ <i>Meter</i> , <i>Stab</i> . . . . .	= 3·28 feet or 39·37 inches.
„ <i>Kilometer</i> . . . . .	= 1,094 yards (·621 mile), or nearly 5 furlongs.
„ <i>Hektar</i> . . . . .	= 2·47 acres.
„ <i>Quadrat</i> , or <i>Square</i> , <i>Kilometer</i>	= 247 acres, or $2\frac{3}{8}$ sq. kil. to 1 sq. mile.

## Diplomatic Representatives.

### 1. OF GERMANY IN GREAT BRITAIN.

*Ambassador*.—Count Paul v. Hatzfeldt-Wildenburg, accredited Nov. 23, 1885.

*Secretary and Counsellor*.—Count Paul Metternich.

*Attachés*.—Baron von Eckhardtstein, Herr W. von Stumm, and Prince H. of Stolberg-Wernigerode.

*Director of Chancery*.—Wilhelm Adolph Schmettau.

*Consul-General*.—W. Jordan.

Germany has also Consular representatives at the following among other places in the British Empire:—

Aberdeen	Peter head	Gibraltar
Belfast	Plymouth	Hong Kong
Bradford	Southampton	Halifax (N.S.)
Cardiff	Sunderland	Kingston (Jamaica)
Dublin	Aden	Madras
Dundee	Adelaide	Melbourne
Glasgow	Auckland	Montreal
Hull	Bombay	Quebec
Leith	Brisbane	Rangoon
Liverpool	Calcutta	Singapore
London	Cape Town	Sydney
Manchester	Ceylon	Wellington (N.Z.)
Newcastle	D'Urban	

## 2. OF GREAT BRITAIN IN GERMANY.

*Ambassador*.—Right Hon. Sir Edward Baldwin Malet, G.C.B., G.C.M.G., Secretary of Legation at Peking, 1871-73; Athens, 1873-75; Rome, 1875-78; Constantinople, 1878-79; Agent and Consul-General in Egypt, 1879-83; appointed Minister Plenipotentiary in the Diplomatic Service, October 10, 1879; Envoy and Minister to Belgium, August 29, 1883; appointed to Berlin, September 20, 1884.

*Secretary*.—M. le M. H. Gosselin, C.B.

*Military Attaché*.—Col. L. V. Swaine, C.B.

*Naval Attaché*.—Captain G. le Clerc Egerton, R.N.

*Consul-General*.—Julius L. Schwabach.

There are also British Consular representatives of the United Kingdom at the following places:—

Cologne	Mannheim	Breslau
Danzig	Bremen	Harburg
Düsseldorf	Bremerhaven	Wismar
Frankfort-on-Main (C.G.)	Kiel	Husum
Hamburg (C.G.)	Leipsic (C.G.)	Swinemünde
Stettin	Lubeck	

## Statistical and other Books of Reference concerning the German Empire.

### 1. OFFICIAL PUBLICATIONS.

Amtliche Liste der Schiffe der Deutschen Kriegs- und Handelsmarine, mit ihren Unterscheidungs-Signalen. Abgeschlossen am 1. Januar 1894. Herausgegeben im Reichsamt des Innern. Berlin, 1894.

Denkschrift über die Deutschen Schutzgebiete. Reichstagsdrucksache. 6. Legislatur-Periode, II. Session, 1884-86, Nr. 44. Berlin.

Deutscher Reichs- und Königl. Preussischer Staats-Anzeiger. Berlin, 1894.

Deutsches Handelsarchiv. Zeitschrift für Handel und Gewerbe. Herausgegeben vom Reichsamt des Innern. Berlin (monthly).

- Die Deutsche Armee und die Kaiserliche Marine. Eintheilung, Truppen, &c. Bearbeitet in der kartographischen Abtheilung der Königl. Landesaufnahme. Berlin, 1889.
- Genealogie der Europäischen Regentenhäuser für 1894. 8. Berlin, 1894.
- Handbuch für das Deutsche Reich auf das Jahr 1894. Bearbeitet im Reichsamt des Innern. Berlin, 1894.
- Handbuch für die Deutsche Handelsmarine auf das Jahr 1893. Herausgegeben im Reichsamt des Innern. Berlin, 1894.
- Hertslet (Sir Edward, C.B.), Foreign Office List. Published annually. London, 1893.
- Monatliche Nachweise über den auswärtigen Handel des deutschen Zollgebiets, &c. 8. Berlin, 1894.
- Statistik der Deutschen Reichs-Post und Telegraphen-Verwaltung für das Kalenderjahr 1893. 4. Berlin, 1894.
- Statistik der im Betriebe befindlichen Eisenbahnen Deutschlands. Bearbeitet im Reichs-Eisenbahn Amt. Betriebsjahr 1892-93. Berlin, 1894.
- Statistik des Deutschen Reichs. Herausgegeben vom Kaiserlichen Statist. Amt. Neue Folge. Band 1-76 to end of 1894.
- Statistisches Jahrbuch für das Deutsche Reich. Herausgegeben vom Kaiserlichen Statistischen Amt. Jahrgang, 1894. Berlin, 1894.
- Vierteljahrhefte zur Statistik des Deutschen Reichs. Herausgegeben vom Kaiserlichen Statistischen Amt. Jahrgang 1894. Berlin, 1894.
- Vorläufige Ergebnisse der Volkszählung vom 1. December 1885 im Königreiche Preussen, Berlin, 1886.
- Weissbuch. Official Correspondence relating to German Possessions in Africa and the Pacific, and to the Congo, Egypt, and East Asia. 11 vols. Berlin, 1884-1891.
- Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

- Baedeker's* Northern Germany, 11th ed. London, 1893. Southern Germany, 7th ed. London, 1891.
- Baring-Gould* (S.), Germany, Past and Present. 2 vols. 8. London, 1881.
- Brachelli* (Ritter von), Statistische Skizze des Deutschen Reichs. 7th edition. Leipzig, 1892.
- Brückner*, Jahrbuch der Deutschen Kolonialpolitik und des Export. Berlin, 1887-91.
- Brunkow* (Osk.), Die Wohnplätze des Deutschen Reiches. Auf Grund der amtlichen Materialien bearbeitet. Neue . . . Ausgabe. Band 1-3. 8. Berlin, 1889.
- Carlyle* (T.), History of Frederick the Great. 10 vols. London.
- Darwin* (W. H.), Germany and the Germans. 2 vols. 8. London, 1894.
- Doughty* (H. M.), Our Wherry in Wendish Lands. 2nd ed. 8. London, 1892.
- Ernst* II., Herzog von Sachsen-Coburg-Gotha. Aus meinem Leben und aus meiner Zeit. 3 Bände. 8. Berlin, 1888.
- Export, Organ des Centralvereins für Handelsgeographie und Förderung Deutscher Interessen im Auslande. Berlin (weekly).
- Gothaischer genealogischer Hof-Kalender auf das Jahr 1894. Gotha, 1894.
- James* (E. J.), The Federal Constitution of Germany. [Translation.] 8. Philadelphia, 1890.
- Love* (Charles), Life of Prince Bismarck. 2 vols. London, 1888.
- Mittheilungen aus den Deutschen Schutzgebieten. Berlin, 1891-94.
- Morhain*, De l'Empire Allemand: sa Constitution et son Administration. Paris, 1886.
- Neumann* (G.), Geographisches Lexicon des Deutschen Reichs. 2 vols. 8.
- Reclus* (Elisée), Nouvelle Géographie universelle. Vol. III. Paris, 1878.
- Staats-, Hof- und Kommunal-Handbuch des Reichs und der Einzelstaaten. 8. Eisenach, 1894.
- Sybel* (H. von), Die Begründung des Deutschen Reichs. 7 vols. Munich, 1890-94.
- Trevischke* (H. von), Deutsche Geschichte im 19 ten Jahrhundert. Leipzig.
- Wenzel* (John), Comparative View of the Executive and Legislative Departments of the Governments of the United States, France, England, and Germany. 8. Boston, 1891.
- Whitman* (Sidney), Imperial Germany. London, 1889.
- Wilkinson* (S.), The Brain of an Army. 8. London.

### Foreign Dependencies.

In 1884 Germany began to extend her empire beyond the bounds of Europe. Of colonies in the proper sense of the term she has none ; but she has declared her protection over various areas or spheres of influence in Africa and in the Western Pacific, within which a few factories and trading posts, and in some cases some plantations, have been established by Germans and other Europeans. The following is a list of the various foreign regions at present (1894) under the protection or influence of Germany, the estimates given being necessarily vague :—

	Date of Acquisition	Method of Government	Estimated Area	Estimated Population
<i>In Africa :—</i>				
Togoland . . . . .	1884	Imperial Commissioner	19,900	800,000
Cameroons . . . . .	1884	Imperial Governor . . .	193,570	4,570,000
German South-West Africa . . . . .	1884-90	Imperial Commissioner	320,540	200,000
German East Africa . . . . .	1885-90	Imperial Governor . . .	351,040	2,800,000
Total African Possessions	1884-90		884,810	8,370,000
<i>In the Pacific :—</i>				
Kaiser Wilhelm's Land	1885-86	} Imperial Commis- sioners. . . . . {	72,000	110,000
Bismarek Archipelago	1885		21,000	190,000
Solomon Islands. . . . .	1886		9,000	90,000
Marshall Islands, etc.	1886		150	10,000
Total Pacific Possessions	1884-86		102,150	400,000
Total Foreign Depen- dencies . . . . .	1884-90		986,960	8,770,000

### Togoland.

Togoland, with Little Popo and Porto Seguro, situated on the Slave Coast, in Upper Guinea, has an estimated area of 19,660 square miles, and an estimated population of 800,000. It extends from long. 1° 14' E. to long. 1° 38' E. and from the Atlantic coast to about lat. 7° 20' N., though the boundary towards the interior is by no means definitely fixed. Declared a German protectorate in 1884, it is placed under an imperial commissioner, assisted by a secretary, an inspector of customs, and a local council of representatives of the merchants. Sebbe is regarded as the capital ; Lome is the chief port, and Little Popo, Porto Seguro, and Bagida are also on the coast. Togo, the principal native town, which has given name to the region, is situated on Lake Togo, and is said to have 8,000 inhabitants. An armed police force of negroes has been organised. Maize, yams, tapioca, ginger, and bananas are cultivated to some extent by the natives, most of whom are Eve negroes ; and cocoa, oil-palms, caoutchouc, and dye-woods grow in the forests ; but the country is still entirely unexploited, and the main

commerce is the barter trade for palm-oil and ivory, carried on by a few factories on the coast. There are now considerable plantations of cocoanuts. On August 1, 1887, an import tax was imposed upon European goods. In 1893-94 the revenue, chiefly from customs, amounted to 225,109 marks, and expenditure, 185,224 marks. Budget revenue for 1894-95, 186,000 marks. The imports for the year 1894 (ending June 30) were of the value of 2,558,746 marks, the exports 3,211,435 marks, mainly palm kernels and palm oil; for 1893, imports, 2,414,890 marks; exports, 3,413,920 marks. The chief exports were palm oil, 1,845,000 marks; palm kernels, 1,465,000 marks; gum, 99,000 marks. In 1894, 252 vessels of 246,243 tons (122 German, 76 British) entered and cleared the port of Little Popo.

### Cameroons.

The Cameroons region, with a coast line of 120 miles on the Bight of Biafra, between the Campo River and the Rio del Rey, is bounded on the north-east by a treaty-line running north-east to about 30 miles east of Yola on the Upper Benue, whence a further line of demarcation has been drawn to the southern shore of Lake Chad (see under Niger Territories, p. 190). On the south the boundary line runs inland due east from the mouth of the Campo River to about the meridian of long. 15° E., which may be regarded as the eastern or inland limit of the protectorate. The area is estimated at 200,000 square miles; the population at 2,600,000. In 1894 there were 231 whites, of whom 153 German, 37 English. It became a German protectorate in 1884, and is placed under an imperial governor, assisted by a chancellor, two secretaries, and a local council of three representative merchants. The country is fertile, and numerous valuable African vegetable productions grow in profusion. Plantations of cacao and tobacco have been formed by the Deutsche Plantagen-Gesellschaft (1886), and numerous factories carry on an active trade in ivory and palm-oil. On January 1, 1888, an import duty was imposed on European goods, and from this the revenue is mainly derived. The revenue in 1892-93 was 500,485 marks. Budget revenue for 1894-95, 610,000 marks. The chief town is Cameroons, and in the south Batanga. Bimbia and Bakundu-town are other important trading stations, and Aqua-town and Bell-town are the principal native settlements. In 1893, 77 vessels of 109,310 tons (29 of 40,005 tons German) entered the ports of Cameroons. In 1894, 29 German vessels of 38,039 tons and 65 British vessels of 92,343 tons entered the ports of Cameroons; total tonnage entered, 131,342.

In 1893 the imports into the Cameroons region amounted to 4,161,627 marks; and exports to 4,633,363 marks. The chief exports were caoutchouc (1,437,000 marks), palm oil, palm kernels, ivory, cacao, and ebony. In the year ending June 30, 1894, the imports amounted to 4,642,627 marks, and the exports to 4,777,154 marks. The chief exports were palm oil and kernels. The chief imports were cottons, spirits, gunpowder, fire-arms, salt, tobacco, rice, iron wares, and colonial produce.

### German South-West Africa.

This region extends along the coast for about 930 miles, exclusive of Walfisch Bay, which is British. The Orange River forms the south boundary to long. 20° E.; the east boundary goes north along the 20° till it meets the 22nd parallel of S. lat.; it then turns east till it meets long. 21° E., which it follows north to the 18th parallel; it then goes east to the Chobe River, which it follows to the Zambesi. The northern boundary is formed by the Cunene River as far as the Humbé cataracts; then east to the Cubango

and the Katima rapids of the Zambesi. The total area is estimated at 340,000 square miles and the population at 200,000. The white population is estimated at 1,200 (1894). Budget revenue for 1894-95, 1,027,000 marks, mostly from Imperial funds. The whole southern part and much of the east is barren and desert. The coast lands are held by the 'Deutsche Kolonial Gesellschaft für Südwest Africa,' which has given the special names of Deutsch-Namaland to the southern part of its territories, and Deutsch-Damaraland to the northern. An Anglo-German company has obtained from the German Government (1892) a concession of the northern part of the territory. The two chief harbours in German possession are Sandwich Harbour and Angra Pequena, or Lüderitz Bay. A new harbour is being constructed at Swakopmund, just north of Walfisch Bay. Damaraland is well adapted for cattle-rearing. Copper has been found, though the expense of working it has hitherto rendered the discovery almost useless. Rumours of the discovery of gold attracted numerous immigrants, and traces of other minerals have been observed. But the mineral, agricultural, and commercial development of this region lies still in the future. An imperial commissioner exercises a nominal authority in the protectorate. Imports by Walfisch Bay (1894), 915,575 marks; exports, 131,360 marks; but there is stated to be a much larger trade overland.

### German East Africa.

The German sphere of influence in East Africa, with an estimated area of 400,000 square miles, and an estimated population of 2,900,000, is bounded on the north by a treaty line, defined in 1886 and 1890, running north-west from the Umbe River, by the north of Kilima-Njaro, to the east shore of the Victoria Nyanza, and to the W. of this lake, following the parallel of 1° S. lat., to the boundary of the Congo State, making a loop, however, so as to pass S. of Mount Mfumbiro. On the West it is bounded by Lake Tanganyika, and on the S. by a line (defined 1890) joining the S. end of that lake with the N. end of Lake Nyassa and running to the N. of the Stevenson Road, and by the Rovuma River. The narrow strip of territory on the coast was leased by the Sultan of Zanzibar to the Germans for fifty years, from April 1888, with its harbours and customs, but the Sultan's rights were acquired by Germany in 1890 for a payment of 4,000,000 marks. Most of the interior of this vast region is quite unexploited except by Arab dealers in slaves and ivory. The German East Africa Company, founded in 1885, had established fifteen stations, but most of them were ruined and abandoned on the outbreak of the natives in 1889; peace being restored in 1890, commercial enterprise has again begun, the German Government granting subsidies for railways and steamers, and in other ways supporting the operations of the company. The German Empire is represented in this region by an Imperial Governor. The chief seaports are Dar-es-Salaam, Bagamoyo, Saadani, Pangani, Kiloa, Lindi, Mikindani, and Tanga. Budget revenue for 1894-95, 5,520,000 marks. In 1893 the value of the imports was 7,714,822 marks, and imports, 5,580,740 marks. Of the imports, 2,100,000 marks came from Germany, and of the exports 558,000 marks went to Germany. The chief exports are cocoanuts, copra, sesame, grain, caoutchouc, ivory. The chief imports are cottons, colonial wares, rice, oil, spirits, wine and beer. The exports from Bagamoyo amounted to 825,553 dollars.

Karagwe, one of the large Central African States formed after the dissolution of the former Empire of Kitwara, lies mainly within the German Spher

of Influence as delimited northwards by the Anglo-German Agreement of July 1, 1890. Near the capital the Arabs have founded the trading station of Kufro (Kafuro), where they take ivory, coffee, and other produce in exchange for salt, textiles, and European wares.

### In the Western Pacific.

1. *Kaiser Wilhelm's Land*.—Kaiser Wilhelm's Land, the northern section of south-east New Guinea, was declared a German protectorate in 1884. Including Long Island, Dampier Island, and some other small islands, it has an estimated area of 72,000 square miles, and a population of about 110,000. Its development has been entrusted to the German New Guinea Company, which has extended its operations also to other German possessions in this ocean. The chief executive official is the Imperial Commissioner, under whom are several magistrates. Areca and sago palms, bamboos, ebony, and other woods are among the natural riches of the protectorate. Tobacco has hitherto been the most successful cultivated crop. Horses, cattle, and goats flourish on the island, which seems less adapted for sheep. Three steamers and several sailing ships are engaged in the trade of the New Guinea Company. The chief harbours are Finschhafen, Konstantinhafen, and Hatzfeldhafen. In 1891 the imports of the New Guinea Company from European ports amounted to 327,282 marks.

2. *Bismarck Archipelago*.—In November 1884 a German Protectorate was declared over the New Britain Archipelago and several adjacent groups of islands, which were then renamed together the Bismarck Archipelago. The aggregate area is estimated at 21,000 square miles, and the population at 190,000. The chief islands of this archipelago are Neu Pommern (formerly New Britain), Neu Mecklenburg (New Ireland), Neu Lauenburg (Duke of York Islands), and Vischer, Gerrit Denys, Admiralty, Anchorite, Commerson, Hermit, and other islands. The New Guinea Company has a trading station at Mioko in New Lauenburg. The chief exports are copra and cocoa-nut fibre. In 1891 the imports of the New Guinea Company amounted to 1,017,022 marks.

3. *Solomon Islands*.—Germany owns the more northerly part of this group, including the islands of Bougainville, Choiseul, Isabel or Mahaga, and various smaller islands. The aggregate area under the German flag is estimated at 9,000 square miles, and the population at 90,000. Sandal wood and tortoiseshell are the chief commercial products. The islands are placed under the officials of Kaiser Wilhelm's Land.

4. *Marshall Islands*.—The Marshall Islands, consisting of two chains or rows of lagoon islands, known respectively as Ratak (with thirteen islands) and Ralick (with eleven islands), have belonged to Germany since 1885. The aggregate area is estimated at 150 square miles, and the population at 10,000. In 1894 there were 72 whites (of whom 32 Germans, 13 English, 11 Americans), 21 half-breeds, 15 Chinese. The chief island and seat of the German Imperial Commissioner is Jaluit. Copra is the chief article of trade. The total production in 1894 was 2,000 tons. In 1894, 21 vessels of 9,910 tons entered the port of Jaluit.

#### BOOKS OF REFERENCE ON GERMAN DEPENDENCIES.

- Allan (G.)*, The Land of the Duallas; Life in the Cameroons. 12. Newcastle, 1885.  
*Angra Pequena*. Copy of Despatch from the Earl of Derby to H.M.'s High Commission in S. Africa relative to the Establishment of a German Protectorate at Angra Pequena and along the Coast. London, 1884.

Arrangement between Great Britain and Germany relative to their respective Spheres in Africa. London, 1885. The same with reference to New Guinea. London, 1885.

*Baumann* (Oscar), In Deutsch Ostafrika während des Aufstandes. 8. Vienna, 1890. Usambara und seine Nachbargebiete. 8. Berlin, 1891.

*Büttner* (C. G.), Das Hinterland von Walfischbai und Angra Pequena. Heidelberg, 1884. Correspondence relating to Zanzibar. London, 1885.

Correspondence respecting Affairs in the Cameroons. London, 1885.

*Demay* (Charles), Histoire de la Colonisation Allemande. Paris, 1890.

Deutsche Kolonialzeitung, Organ der Deutschen Kolonialgesellschaft. Berlin (fortnightly).

Deutscher Kolonial-Kalender 1894. 16. Berlin.

Deutsches Kolonialblatt. Berlin 1894 (fortnightly).

*Dilthey* (R.), Der Wirthschaftliche Werth von Deutsch. Ost-Afrika. Düsseldorf, 1889.

*Förster* (B.), Deutsch-Ostafrik. 8. Leipzig, 1890.

*Frenzel* und *Neude*, Deutschlands Kolonien. Hannover, 1889.

*Hessler* (C.), Die deutschen Kolonien. 3rd ed. Leipzig, 1894.

*Höhnel* (L. von), Discovery of Lakes Rudolf and Stephanie. [Translated by N. Bell.] 2 vols. 8. London, 1894.

*Kellie* (J. S.), The Partition of Africa. London, 1895.

*Koschitzky* (Max von), Deutsche Kolonialgeschichte. Leipzig, 1887 and 1888.

*Lewis* (R.), The Germans in Damaraland. 8. Cape Town, 1889.

*Meinecke* (G.), Koloniales Jahrbuch. Berlin, 1893-94.

*Morgen* (C.), Durch Kamerun. 8. Leipzig, 1893.

Nachrichten über Kaiser Wilhelm's Land und den Bismarck-Archipel. Herausgegeben von der Neu-Guinea Kompagnie. Berlin (at intervals).

*Reichard* (P.), Deutsch-Ostafrika. 8. Leipzig, 1892.

*Schinz* (H.), Deutsch-Sudwest-Afrika. 8. Oldenburg and Leipzig, 1891.

*Wagner*, Deutsch-Ostafrika. 2. Auflage. Berlin, 1888.

## STATES OF GERMANY.

### ALSACE-LORRAINE.

(REICHSLAND ELSASS-LOTHRINGEN.)

#### Constitution.

The fundamental laws under which the Reichsland, or Imperial Land, of Alsace-Lorraine is governed were voted by the German Reichstag June 9, 1871, June 20, 1872, June 25, 1873, May 2, 1877, July 4, 1879, September 28, 1885, and December 11, 1889. By the law of June 9, 1871, it is enacted, 'The provinces of Alsace and Lorraine, ceded by France in the peace preliminaries of February 26, 1871, under limits definitely fixed in the Treaty of Peace of May 10, 1871, shall be for ever united with the German Empire.' The Constitution of the German Empire was introduced in Alsace-Lorraine on January 1, 1874.

The administration of Alsace-Lorraine is under a Governor-General, bearing the title of 'Statthalter.'

*Statthalter of Alsace-Lorraine.*—Prince *Hohenlohe-Langenburg*, appointed October 30, 1894.

According to the constitutional law of July 4, 1879, the Emperor appoints the Statthalter, who exercises power as the representative of the Imperial Government, having his residence at Strassburg. A Ministry composed of three departments, with a responsible Secretary of State at its head, acts under the Statthalter, who also is assisted by a Council of State, comprising



the Statthalter as President, the Secretary of State at the head of the Ministry, the chief provincial officials, and eight to twelve other members appointed by the Emperor, of whom three are presented by the Landesausschuss, or Provincial Committee. This Committee, which attends to local legislation, consists of 58 members.

### Area and Population.

The Reichsland has an area of 14,507 square kilometers or 5,600 English square miles. It is administratively divided into three Bezirke, or districts, called Ober-Elsass, Unter-Elsass, and Lothringen, the first of which is subdivided into six, and the other two each into eight Kreise, or circles. The following table shows the area, population, and the inhabitants per square mile of each of the districts and of the whole:—

Districts	Area, English square miles	Population		Density per sq. mile 1890
		1885	1890	
Ober-Elsass	1,354	462,549	471,609	348·5
Unter-Elsass	1,850	612,077	621,505	336·6
Lothringen	2,394	489,729	510,392	213·1
Total	5,600	1,564,355	1,603,506	286·3

The annual increase of population from 1875 to 1880 amounted to 0·45 per cent., while from 1880 to 1885 there was a yearly decrease of 0·03 per cent., and from 1885 to 1890 an annual increase of 0·5 per cent. Of the population in 1890, 805,986 were males and 797,520 (or 98·9 per 100 males) were females. According to an official estimate (1890), 210,000 are of French origin (Sprachstamme), and 1,393,000 of German origin. Foreigners numbered 46,463 in 1890, a larger number in proportion to population than any of the other States of the Empire. The garrison consisted of 67,354 men. In 1890, 43·1 per cent. of the population resided in towns of 2,000 inhabitants and upwards; 56·9 per cent. in rural communes. The three largest towns are Strassburg (123,500 inhabitants in 1890), the capital of Alsace-Lorraine; Mülhausen (76,892 inhabitants), in Ober-Elsass; and Metz (60,186 inhabitants), in Lothringen. Marriages, 1893, 11,344; births, 50,455; deaths, 39,810; surplus of births, 10,645. Of the births, 1,638 (3·2 per cent.) were still-born, and 4,178 (8·3 per cent.) were illegitimate. The emigration viâ German and Dutch ports to extra-European countries was as follows in 1886-93:—

1886	1887	1888	1889	1890	1891	1892	1893
602	883	937	934	923	1,138	922	794

### Religion, Instruction, Justice and Crime, Poor-relief.

At the census of December 1, 1890, there were in the Reichsland 1,227,225 Catholics, 337,476 Protestants, 3,757 members of other Christian sects, 34,645 Jews; other religions, 7, and 396 unclassified. (See also *German Empire*, pp. 538-42.)

In 1894 the Reichsland contained a university (at Strassburg, see *German Empire*, p. 541), 17 Gymnasien, 3 Progymnasien, 3 higher Realschulen, 9 Realschulen, 1 agricultural school, 9 seminaries, 4 preparatory schools for teachers,

60 higher girls' schools, 2,867 elementary schools, 431 infant schools, 102 finishing schools, 23 intermediate schools, 4 institutions for the deaf and dumb, 1 for the blind.

Alsace-Lorraine has an Oberlandesgericht at Colmar, and six Landgerichte. In 1891, 10,079 persons, i.e. 89 per 10,000 inhabitants above the age of 12 years, were convicted of crime.

In 1885, 39,047 persons, with 34,442 dependents (in all 4·7 per cent. of the population), received public poor-relief.

### Finance.

The budget estimates of public revenue of Alsace-Lorraine in the year ending March 31, 1895, amounted to 53,139,649 marks, and the estimates of expenditure to 51,200,729 marks. There was also an extraordinary revenue of 3,612,295 marks, and an expenditure of 5,551,215 marks. More than half of the total revenue is derived from customs and indirect taxes, while one of the largest branches of expenditure is for public instruction.

Alsace-Lorraine has a debt consisting of 3 per cent. rentes in circulation to the amount of 750,048 marks, equivalent, if capitalised, to a debt of 25,001,600 marks.

### Production and Industry.

On June 5, 1882, the number of separate farms was as follows:—

Under 1 Hectare	1-10 Hectares	10-100 Hectares	Above 100 Hectares	Total
98,310	122,488	12,674	394	233,866

These farms supported a population of 627,800, of whom 302,593 were actively engaged in agriculture. Alsace-Lorraine yields the usual cereals, and it is also a great wine-producing country. Of the 1,700 communes, 1,028 have vineyards. In 1892-93, 1,243 hectares were planted with tobacco, and yielded 2,838 metric tons of dried tobacco.

The cotton manufacture in Alsace-Lorraine is the most important in Germany; woollens are produced on a smaller scale. In 1893 minerals to the value of 15,732,370 marks (provisional figures) were raised in the Reichsland.

There were 977 miles of railway in Alsace-Lorraine in 1893, of which 894 belonged to the State.

### Books of Reference.

Beiträge zur Landes- und Volkeskunde von Elsass-Lothringen. By various writers. In progress. 1. Strassburg, 1887-1893.

Statistisches Handbuch für Elsass-Lothringen. Strassburg, 1894.

## ANHALT.

(HERZOGTHUM ANHALT.)

### Reigning Duke.

**Friedrich**, born April 29, 1831, the son of Duke Leopold of Anhalt and of Princess Friederike of Prussia. Succeeded to the throne at the death of his father, May 22, 1871; married, April 22, 1854, to Princess *Antoinette* of Saxe-Altenburg, born April 17, 1838. *Children of the Duke*:—

I. Prince *Friedrich*, born August 19, 1856; married, July 2, 1889, to Princess Mary of Baden, born July 26, 1865. II. Princess *Elisabeth*, born September 7, 1857; married, April 17, 1877, to the Hereditary Grand-duke of Mecklenburg-Strelitz. III. Prince *Edward*, born April 18, 1861. IV. Prince *Aribert*, born June 18, 1864; married, July 6, 1891, to Princess Louise of Schleswig-Holstein-Sonderburg-Augustenburg, born August 12, 1872. V. Princess *Alexandra*, born April 4, 1868. *Grandchild of the Duke*:—Princess *Antoinette*, born March 3, 1885, daughter of the late Prince *Leopold*, the Duke's eldest son, and Elizabeth, daughter of the Landgrave of Hesse.

The Dukes of Anhalt trace their origin to Bernhard, son of the celebrated Albert the Bear, Margrave of Brandenburg, who died in 1211. The family, in the course of time, split into numerous branches, now reduced to the present line. At the establishment of the Germanic Confederation, in 1815, there were three reigning Dukes of Anhalt—namely, of Anhalt-Cöthen, Anhalt-Bernburg, and Anhalt-Dessau. The first of these lines became extinct in 1847, and the second on August 19, 1863, leaving the former house of Anhalt-Dessau the sole heir of the family territory. In 1806 the Princes of Anhalt took the title of Dukes, on joining the Confederation of the Rhine. The Duke of Anhalt separated his property from that of the State by decree of June 28, 1869. The entailed property belonging to the ducal family is the sole resource of the Duke. Part of it, called 'the select entail,' yielding about 600,000 marks, cannot be sold by the Duke without the approbation of the Diet. To the entailed property belong very large private estates in Prussia and Hungary, embracing an area of 280 square miles.

### Constitution.

The Duchy has a Constitution, proclaimed September 17, 1859, and modified by decrees of September 17, 1863, and February 13, 1872, which give legislative power to a Diet composed of 36 members, of whom two are appointed by the Duke, eight are representatives of landowners who pay the highest taxes, two of the highest taxed inhabitants belonging to the mercantile and industrial classes, fourteen of the other inhabitants of towns, and ten of the rural districts. The executive power is entirely in the hands of the Duke, who governs through a Minister of State.

### Area and Population.

The Duchy comprises an area of 906 English square miles, with a population of 271,963 at the census of December 1890. In 1880 the population was 232,592, and in 1885 it was 248,166. From 1880 to 1885 the increase was at the rate of 1.34 per cent. per annum, and from 1885 to 1890 at the rate of 1.92 per cent. per annum. Of the population in 1890, 134,071 were males, and 137,892 (or 102.8 per 100 males) were females. Marriages (1892) 2,332; births, 10,619; deaths, 6,563; surplus of births, 4,056. Among the births are 320 (3.01 per cent.) still-born, and 1,025 (9.7 per cent.) illegitimate.

The following are the emigration statistics:—

1885	1886	1887	1888	1889	1890	1891	1892
113	82	92	101	67	96	162	211

The capital, Dessau, had 34,658 inhabitants in 1890. Nearly the whole of the inhabitants belong to the Reformed Protestant Church, there being (1890) 8,875 Catholics and 1,580 Jews.

The number of separate farms in 1882 was as follows:—

Under 1 Hectare	1-10 Hectares	10-100 Hectares	Over 100 Hectares	Total
19,489	7,817	2,320	174	29,800

These farms supported a population of 75,937, of whom 32,932 were actively engaged in agriculture.

There are 185 miles of railway.

### Finance.

The budget estimates for the financial year 1894-95 stated the income of the State at 21,754,000 marks, of which 7,400,000 marks are derived from State property, and the rest chiefly from indirect taxes. The amount of the direct taxes is about 566,500 marks. The expenditure of the State is 21,754,000 marks. The income for the German Empire is 5,062,000 marks, the expenditure the same. The public debt amounted, on June 30, 1893, to 1,388,313 marks, and the State property to 6,746,528 marks.

*British Minister Plenipotentiary.*—Right Hon. Sir Edward Malet, G.C.B., G.C.M.G.

## BADEN.

(GROSSHERZOGTHUM BADEN.)

### Reigning Grand-duke.

**Friedrich I.**, born September 9, 1826, second son of Grand-duke Leopold I. and of Grand-duchess Sophie Princess of Sweden. Regent, April 24, 1852; took the title of Grand-duke September 5, 1856. Married, September 20, 1856, to Grand-duchess *Luise*, born December 3, 1838, the daughter of Wilhelm I., Emperor of Germany and King of Prussia. *Offspring*:—I. *Friedrich*, born July 9, 1857; married, September 20, 1885, to Hilda, daughter of the Grand-duke of Luxemburg, Duke of Nassau. II. *Victoria*, born August 7, 1862; married, September 20, 1881, to Crown Prince Gustaf of Sweden.

#### *Brothers and Sisters of the Grand-duke.*

I. Princess *Alexandrine*, born December 6, 1820; married, May 3, 1842, to the late Duke Ernst of Saxe-Coburg-Gotha. II. Prince *Wilhelm*, born December 18, 1829; married, February 11, 1863, to Princess Maria Romanovska, born October 16, 1841, daughter of the late Duke Maximilian of Leuchtenberg. Offspring of the union are two children:—I. Princess Marie, born July 26, 1865; married, July 2, 1889, to Friedrich, Hereditary Prince of Anhalt. II. Prince Maximilian, born July 10, 1867. III. Prince *Karl*, born March 9, 1832; married, May 17, 1871, to Rosalie von Beust, elevated Countess von Rhena, born June 10, 1845. IV. Princess *Marie*, born Nov. 20, 1834; married, Sept. 11, 1858, to Prince Ernst of Leiningen.

The Grand-dukes of Baden are descendants of the Dukes of Zaehringen, who flourished in the 11th and 12th centuries. Till the end of last century, Baden was a Margraviate divided into two or more lines; since then it has been united, and in the changes which preceded and followed the dissolution of the former German Empire its territory received various additions, and its ruler took the title of Elector in 1803, and of Grand-duke in 1806. Baden was a member of the Confederation of the Rhine, and, from 1815 to 1866, of the German Confederation. In 1866 Baden sided with Austria, but soon made peace with Prussia. The predecessors of the present Grand-duke during the last two centuries are as follows:—

Karl Wilhelm . 1709–1738 | Karl . 1811–1818 | Leopold . 1830–1852  
 Karl Friedrich . 1738–1811 | Ludwig 1818–1830 | Ludwig II.<sup>1</sup> 1852–1856

The Grand-duke is in the receipt of a civil list of 1,876,269 marks, which includes the allowances made to the princes and princesses.

### Constitution.

The Constitution of Baden vests the executive power in the Grand-duke, the legislative authority is shared by him with a representative assembly (Landtag), composed of two Chambers. The Upper Chamber comprises the princes of the reigning family who are of age; the heads of the mediatised families; eight members elected by the territorial nobility; the Roman Catholic Archbishop; the prelate of the Protestant Church; two deputies of Universities; and eight members nominated by the Grand-duke. The Second Chamber is composed of 63 representatives of the people, 22 of whom are elected by towns, and 41 by rural districts. Every citizen not convicted of crime, nor receiving parish relief, has a vote in the elections. The elections are indirect: the citizens nominating the Wahlmänner, or deputy-electors, and the latter the representatives. The members of the Second Chamber are elected for four years, one-half of the number retiring at the end of every two years. The Chambers must be called together at least once every two years. Members of both Chambers whose seats are not hereditary, receive an allowance of 12 marks a day and travelling expenses.

The executive is composed of four departments—the Ministers of the Interior, of Foreign Affairs, of Finance, and of Justice, Ecclesiastical Affairs and Instruction. The ministers are individually and collectively responsible for their actions.

For general administrative purposes the Grand-duchy contains 52 'Amtsbezirke,' superintended by four general commissioners (Landes-Kommissäre). For purposes of local government it is divided into 11 circles (Kreise), and 1,578 communes (Gemeinden), 115 communal cities, and 1,463 parishioners.

### Area and Population.

The following table shows the area and population of the whole, and of the four commissioners' districts:—

District	Area : Square miles	Population		Pop. per square mile 1890
		1885	1890	
Konstanz . . . . .	1,609	281,036	281,770	175·1
Freiburg . . . . .	1,830	460,384	469,515	256·6
Karlsruhe . . . . .	993	421,784	445,156	448·3
Mannheim . . . . .	1,390	438,051	461,426	332·2
Total . . . . .	5,822	1,601,255	1,657,867	284·8

Adding the part of the Lake of Constance next to Baden the area is 5,892 square miles.

Between 1880 and 1885 the annual rate of increase was 0·39 per cent.; between 1885 and 1890 the increase was 56,612, or at the rate of 0·71 per cent. per annum. Of the population in 1890, 42·59 per cent. lived in communities with 2,000 inhabitants and upwards, 57·41 per cent. in smaller communities; 810,582 were males, and 847,285 females—i.e. 104·53 females per 100 males.

<sup>1</sup> Under the regency of his brother, the reigning Grand-duke.

There were ten towns with a population of over 10,000 at the census of 1890 :—

Mannheim . . . . .	79,058	Heidelberg . . . . .	31,739	Baden . . . . .	13,884
Karlsruhe . . . . .	73,684	Pforzheim . . . . .	29,988	Bruchsal . . . . .	11,909
Freiburg . . . . .	48,909	Konstanz . . . . .	16,235	Rastatt . . . . .	11,557
		Lahr . . . . .	10,805		

The number of marriages in Baden in 1893 was 12,288, births, 57,113, deaths (besides 2 at sea), 42,928, excess of births over deaths, 14,185. Included in the births were 1,491, or 2·61 per cent., still-born, and 4,724, or 8·28 per cent., illegitimate children.

Emigration from Baden to extra-European countries is estimated as follows :—

1887	1888	1889	1890	1891	1892	1893
5,400	6,000	6,000	5,500	6,000	4,054 <sup>1</sup>	3,148 <sup>1</sup>

<sup>1</sup> Through German, Belgian, and Dutch ports.

### Religion and Instruction.

Nearly two-thirds of the population are Catholic, somewhat more than one-third Protestant. At the census of 1890 there were 1,028,119 Catholics, 597,518 Protestants, 5,217 of other Christian sects, 26,735 Jews, and 278 others.

The Grand-duke is Protestant, and head of the Evangelical or Protestant Church, which is governed by a synod (with 56 members), and whose affairs are administered by a board (Oberkirchenrath). The Roman Catholic Church has an Archbishop (at Freiburg). The Protestant Church has 355 parishes, the Roman Catholic Church 773 ; the former are divided among 24 deaneries, the latter among 35. The State maintains the Archbishop and his chapter (96,292 marks yearly), and contributes 450,000 marks yearly to the income of the Catholic and Protestant parochial clergy. There are a certain number of 'Old Catholic' parishes, to which the State contributes yearly 24,000 marks. The Jews have 15 rabbinates, and receive for their worship yearly 9,200 marks from the State.

Instruction is general and compulsory. The elementary schools are maintained by the communities, supplemented by the State, and administered by local authorities under the inspection of Government. The following table shows the public schools in Baden for 1892-93 :—

—	Number	Teachers	Students & Pupils
Universities . . . . .	2	197	2,160
Gymnasia and Progymnasia . . . . .	16	349	4,652
Realgymnasia and Realschulen . . . . .	9	228	3,991
Other middle schools (höhere Bürger-schulen) . . . . .	33	384	4,382
Elementary schools . . . . .	1,607	5,546	319,521
Technical academy . . . . .	1	80	729
Technical, agricultural, and other special schools . . . . .	172	575	12,580
Total . . . . .	1,840	7,359	349,015

Besides 38 private middle schools, with 305 teachers and 3,706 pupils, and 8 private elementary schools, with 33 teachers and 395 pupils.

### Finance.

The Budget is voted for a period of two years. The sources of ordinary and extraordinary revenue and branches of expenditure were estimated for 1894 as follows:—

Revenue	Marks	Expenditure	Marks
Direct taxes . . . . .	12,619,874	General debt (interest and amortisation)	—
Indirect taxes . . . . .	11,137,512	Railway debt	18,373,690
Domains (Crown land) and saltworks . . . . .	9,869,485	Civil list and appanages	1,876,269
Justice and Police . . . . .	4,531,395	Ministry of State . . . . .	158,702
Railways (net) . . . . .	14,487,673	„ „ Foreign Affairs . . . . .	236,507
Ministry of Justice. . . . .	4,874,528	„ „ Justice, Workship, and Education . . . . .	15,884,837
„ „ Interior . . . . .	2,847,156	Ministry of Interior . . . . .	13,671,652
„ „ Finance . . . . .	3,335,565	„ „ Finance . . . . .	2,986,911
Chamber of Accounts . . . . .	236	Chamber of Accounts . . . . .	98,713
Share in Customs of the German Empire . . . . .	12,078,942	Charges of collection of revenue . . . . .	10,480,069
		Pensions . . . . .	3,480,800
		Contribution to German Empire . . . . .	14,103,394
Total revenue . . . . .	75,782,366	Total expenditure . . . . .	81,251,544

The deficit is compensated by surplus of former years (Amortisation-Kasse).

In 1894, 8,000,000 marks, taken up on loan, were destined for railway construction.

The direct taxes are a land tax, house tax, trade tax, rent tax, and income tax; the indirect taxes are chiefly excise on wine, beer, and meat, registry, duties on succession.

Baden has no public debt, except the railway debt, amounting at the beginning of 1894 to 327,505,755 marks.

### Production and Industry.

56.9 per cent. of the area is under cultivation, 37.5 per cent. forests, 5.6 per cent. uncultivated (houses, roads, water, &c.). Arable land occupies 579,420 hectares, vineyards 20,020, chestnut plantations 675, meadows 203,512, pastures 54,609, and forests 565,484 hectares (of which 96,684 belong to the State, 254,570 to the communities, 20,606 to other bodies, and 194,299 to private persons).

The total number of agricultural tenements, each cultivated by one household, was in the year 1882 as follows:—

Under 1 Hectare	Between 1 and 10 Hectares	Between 10 and 100 Hectares	Above 100 Hectares	Total
80,153	139,179	12,872	83	232,287

These farms supported 752,489 persons, of whom 328,091 were actually engaged in agriculture. The chief crops, with the number of hectares under each, in 1893, were :—

Crops	Hectares	Crops	Hectares
Wheat (incl. Spelt).	{ 65,411 } { 40,939 }	Oats . . . . .	64,119
Rye . . . . .	44,649	Beetroot and turnips	86,366
Barley . . . . .	58,989	Potatoes . . . . .	87,641

In the same year 286,724 hectares were under hay crops, and 6,215 hectares under tobacco; turnips, hemp, hops, and chicory are also grown. The mineral produce consists almost solely of salt and building-stone.

The principal manufactures are silk ribbons, felt and straw hats, brushes, leather, paper and cardboard, clocks, musical instruments, machinery, chemicals, and cigars.

### Communications.

Mannheim is situated at the head of regular navigation on the Rhine, and has a large river port; 1893, arrival 2,669,170 tons, departure 570,165 tons. At the end of 1893 the total length of railways in Baden was 929 miles, of which 801 miles belonged to the State of Baden, besides 67 miles of railway on neighbouring territories. The State operates its own railways and the private railways situated in the country. The whole length of these railways is 904 miles, which had (in 1893) an income of 49,338,520 marks, and an expenditure of 31,208,508 marks, leaving a surplus of 18,130,012 marks. The net revenue of the railways belonging to the State serves especially to cover the interest and sinking fund of the railway debt. The capital invested by the State in railways is 450 million marks.

*British Chargé d'Affaires at Karlsruhe.*—G. W. Buchanan.

*Consul.*—Ferdinand Ladenburg (Mannheim).

### References concerning Baden.

Staatsanzeiger. Statistisches Jahrbuch. Hof-und Staatshandbuch. Landwirtschaftliches Wochenblatt. Jahresberichte der Handelskammern.

Das Grossherzogthum Baden in geographischer, &c. Hinsicht dargestellt. 2 pts. S. Karlsruhe. 1885.

## BAVARIA.

(KÖNIGREICH BAYERN.)

### Reigning King.

**Otto** Wilhelm Luitpold, born April 27, 1848; succeeded his brother, Ludwig II., on June 13, 1886.

### Regent.

Prince *Luitpold*. (See below.)

*Uncle and Cousins of the King.*

Prince *Luitpold*, born March 12, 1821; appointed Regent June 10, 1886; married, April 15, 1844, to Archduchess Augusta of Austria, Princess of Tuscany, who died April 26, 1864. Offspring of the union are four children :—

I. Prince *Ludwig*, born January 7, 1845; married, February 20, 1868, to Archduchess Maria Theresa of Austria-Este, of the branch of Modena, born July 2, 1849, of which marriage there are issue eleven children :—1. Prince



Rupprecht, born May 18, 1869. 2. Princess Adelgunda, born October 17, 1870. 3. Princess Marie, born July 6, 1872. 4. Prince Karl, born April 1, 1874. 5. Prince Franz, born October 10, 1875. 6. Princess Matilda, born August 17, 1877. 7. Princess Hildegard, born March 5, 1881. 8. Princess Wiltrud, born November 10, 1884. 9. Princess Helintrude, born March 22, 1886. 10. Princess Gondelinde, born August 26, 1891.

II. Prince *Leopold*, born February 9, 1846, Inspector-General of the 4th 'army district' (Arnee-Inspection) of the German army; married April 20, 1873, to Archduchess Gisela of Austria-Hungary, eldest daughter of the Emperor-King Franz Joseph I. Offspring of the union are:—1. Princess Elizabeth, born January 8, 1874; married December 3, 1893, to Baron Seefried. 2. Princess Augusta, born April 28, 1875; married November 15, 1893, to Archduke Joseph Augustus of Austria. 3. Prince George, born April 2, 1880. 4. Prince Konrad, born November 22, 1883.

III. *Theresa*, born November 12, 1850; abbess of the chapter royal of St. Anne at Munich.

IV. *Arnulph*, born July 6, 1852; Lieut.-General 1st Division in the infantry of the Bavarian army; married April 12, 1882, to Princess Theresa of Liechtenstein. Offspring, Prince Heinrich, born June 24, 1884.

The late Prince Adalbert, brother of Prince Luitpold, married to Princess Amelia, Infanta of Spain, left the following issue:—1. Prince Ludwig Ferdinand, born October 22, 1859; married April 2, 1883, to Maria della Paz, Infanta of Spain; offspring, Prince Ferdinand, born May 10, 1884; Prince Adalbert, born June 3, 1886; Princess Maria del Pilar, born March 13, 1891. 2. Prince Alphons, born January 24, 1862; married April 15, 1891, to Princess Louise of Orléans, daughter of the Duke of Alençon. 3. Princess Isabella, born August 31, 1863; married April 14, 1883, to Prince Tommaso of Savoy, Duke of Genoa. 4. Princess Elvira, born November 22, 1868; married December 28, 1891, to Count Rodolph of Wrba and Freudenthal. 5. Princess Clara, born October 11, 1874; abbess of the chapter royal of St. Anne at Würzburg.

United with the royal family of Bavaria is the branch line of the Dukes *in* Bavaria, formerly Palatine princes of Zweibrücken-Birkenfeld. The head of this house is Prince *Karl Theodor*, born August 9, 1839, son of the late *Maximilian*, Duke in Bavaria, and married (1) February 11, 1865, to Sophia, Princess of Saxony; (2) April 29, 1874, to Maria Josepha, Princess of Braganza.

The members of the royal house of Bavaria are descendants of the ancient Counts of Wittelsbach, who flourished in the twelfth century. Duke Maximilian I. of Bavaria was elevated to the rank of Elector of the Holy Roman Empire in the 'Thirty Years' War; and Elector Maximilian Joseph was raised to the rank of king by Napoleon I. in 1805.

The civil list of the King, and allowances to other members of the royal family, are fixed at present at 5,403,986 marks.

### Constitution and Government.

The present Constitution of Bavaria dates from May 26, 1818; but since that time various modifications have been introduced. The Crown is hereditary in the male line. To the king belongs the sole executive power; but his ministers are responsible for all his acts. The legislative functions are exercised jointly by the king and Parliament, the latter consisting of an Upper and a Lower House. The Upper House—Chamber of 'Reichsräthe,' or councillors of the realm—formed in 1893 of 10 princes of the royal family, 3 crown dignitaries, the 2 archbishops, the heads of 19 old noble families, and

24 other hereditary 'Reichsräthe'; to which are added a Roman Catholic bishop and the president of the Protestant Oberconsistorialrath, and 16 life-members appointed by the Crown. The number of life-members so appointed must not exceed one-third of the hereditary councillors. The Lower House, or Chamber of Representatives, consists of deputies, chosen indirectly, the people returning 'Wahlmänner,' or electors, 1 for every 500 of the population, who nominate the deputies. To be a deputy, it is necessary to be a Bavarian citizen and to pay direct State taxes and to be past thirty; to be on the electoral lists, it is required to be twenty-five years of age, and to have paid for six months previously direct taxation. The representation of the country is calculated at the rate of one deputy to 31,500 souls of the whole population. The Lower House is composed of 159 representatives, who, with the exception of those resident in Munich, receive 10 marks a day during the session, and travel free over the railways.

The executive is carried on, in the name of the king, by a 'Staatsrath,' or Council of State, consisting of six members, besides the Ministers and one prince of the blood-royal; and by the Ministry of State, divided into six departments, namely, of the Royal House and of Foreign Affairs, of Justice, of the Interior, of Education and Ecclesiastical Affairs, of Finance, and of War.

### Area and Population.

The kingdom has an area of 75,864 square kilomètres, or 29,282 English square miles. The following table exhibits the area and population of the whole, and of each of the eight *Regierungsbezirke* or government districts, into which it is divided for administrative purposes:—

Regierungsbezirke	Area, Eng. sq. miles	Population		Pop. per sq. mile, 1890
		1880	1890	
Upper Bavaria (Oberbayern)	6,456	1,006,761	1,103,160	170·9
Lower Bavaria (Niederbayern)	4,152	660,802	664,798	160·5
Palatinate (Rheinpfalz)	2,289	696,375	728,339	318·5
Upper Palatinate (Oberpfalz)	3,729	537,990	537,954	145·0
Upper Franconia (Oberfranken)	2,702	576,703	573,320	212·3
Middle Franconia (Mittelfranken)	2,923	671,966	700,606	238·2
Lower Franconia (Unterfranken)	3,243	619,436	618,489	191·6
Suabia (Schwaben)	3,788	650,166	668,316	176·1
Total	29,282	5,420,199	5,594,982	191·6

To this area has to be added 257 square miles for water.

In 1866 Bavaria was compelled to cede nearly 300 square miles to Prussia. The increase of the population since 1875 has been as follows:—

Year	Population	Density per sq. mile	Annual Increase per cent.
1875	5,022,390	171·5	0·80
1880	5,284,778	180·4	1·01
1885	5,420,199	185·1	0·51
1890	5,594,982	191·6	0·64

The urban and rural population was thus distributed at the censuses of 1880 and 1890 :—

Census	No. of Towns	No. of Rural Communes	Towns, &c., with 2,000 inhabitants and over			Communes, &c., with less than 2,000 inhabitants		
			No.	Population	Per cent. of pop.	No.	Population	Per cent. of pop.
1880	412	7,791	224	1,462,410	27·7	7,808	3,822,368	72·3
1890	244	7,777	209	1,782,463	31·9	7,812	3,812,519	68·1

In 1890 the urban population was thus distributed :—

—	No.	Population 1890	—	No.	Population 1890
Large towns <sup>1</sup> .	2	493,184	Small towns .	41	410,245
Medium ,, .	10	393,938	Country ,, .	191	415,283

<sup>1</sup> See p. 538 for official signification of these terms.

In 1890 the population included 2,731,120 males and 2,863,862 females ; i.e., 104·9 females per 100 males. With respect to conjugal condition, the following was the distribution :—

—	Males	Females	Total
Unmarried . . . .	1,721,213	1,721,850	3,443,063
Married . . . . .	911,803	912,900	1,824,703
Widowed . . . . .	96,734	226,816	323,550
Divorced and separated .	1,370	2,296	3,666

The division of the population according to occupation is shown in the table on p. 536. In 1890 the number of foreigners in Bavaria (exclusive of other Germans) was 74,313.

There is a large emigration from Bavaria. The emigration viâ German ports and Antwerp was as follows in the undernoted years :—

1885	1886	1887	1888	1889	1890	1891	1892
9,939	8,068	13,350	12,249	10,586	9,725	10,756	10,057

The population of the principal towns of the kingdom was as follows at the census of December 1, 1890 :—

Towns	Dec. 1, 1890	Towns	Dec. 1, 1890
Munich (München) . .	350,594	Kaiserslautern . . .	37,047
Nuremberg (Nürnberg)	142,590	Bamberg . . . . .	35,815
Augsburg . . . . .	75,629	Ludwigshafen . . .	33,216
Würzburg . . . . .	61,039	Bayreuth . . . . .	24,556
Fürth . . . . .	43,206	Hof . . . . .	24,455
Ratisbon (Regensburg).	37,934	Pirmasens . . . . .	21,041

The following table shows the annual movement of the population in five years:—

Year	Marriages	Total Births	Stillborn	Illegitimate	Total Deaths	Surplus of Births
1889	39,515	205,908	6,707	28,533	154,249	51,659
1890	40,004	201,437	6,436	28,527	159,042	42,395
1891	41,400	212,156	6,719	29,894	160,428	51,728
1892	41,683	210,150	6,728	29,619	160,295	49,855
1893	41,605	216,610	6,601	30,581	162,051	54,559

### Religion.

Rather more than seven-tenths of the population of Bavaria are Roman Catholics. At the census of December 1885 there were 3,839,168 Roman Catholics, and 1,521,114 Protestants, the proportion being 709 Roman Catholics to 281 Protestants in every 1,000 of the population.

The religious division of the population in each of the eight provinces of the kingdom was as follows on December 1, 1890:—

Provinces	Roman Catholics	Protestants	Jews
Upper Bavaria . . . . .	1,030,713	63,524	6,291
Lower Bavaria . . . . .	659,197	5,201	182
Palatinate (Rheinpfalz) . . . . .	314,276	398,945	10,998
Upper Palatinate . . . . .	492,095	44,125	1,487
Upper Franconia . . . . .	243,014	326,426	3,664
Middle Franconia . . . . .	158,535	528,608	12,294
Lower Franconia . . . . .	493,603	109,727	14,646
Suabia . . . . .	567,644	95,307	4,323
Total . . . . .	3,959,077	1,571,863	53,885

Besides the above there are included in other Christian sects 3,625 Old Catholics, 3,456 Menmonites, and 2,587 Irvingites, Greek Catholics, and Free-Christians, and 489 without declaration.

As regards ecclesiastical administration, the kingdom is divided into 2 Roman Catholic archbishoprics, those of Munich and Bamberg; 6 bishoprics; 211 deaneries; and 2,902 parishes. The Protestant Church is under a General Consistory—'Ober-Consistorium'—and three provincial consistories, 80 deaneries, and 1,077 parishes. Among the Roman Catholics there is one clergyman to 464 souls; among the Protestants, one to 1,013. Of the three universities of the kingdom, two, at Munich and Würzburg, are Roman Catholic, and one, at Erlangen, Protestant.

### Instruction.

(For Universities, see under *Germany*.) Elementary schools—'Volksschulen'—exist in all parishes, and school attendance is compulsory for all children from six till the age of fourteen. In 1892 there were 5,094 Catholic schools, 1,909 Protestant, 133 mixed, and 89 Jewish. In 1892 there were 497 agricultural schools, with 9,893 pupils, besides 12 winter schools, with 552 pupils.

### Justice, Crime, and Pauperism.

Bavaria is the only German State which has established an *Oberstes Landgericht*, or appeal-court intervening between the *Oberlandesgerichte* and the

Reichsgericht. This court, which has its seat at Munich, has a bench of 18 judges. Subject to its jurisdiction are 5 Oberlandesgerichte and 28 Landgerichte.

In 1892 the number of poor receiving relief was 183,220, the sum expended on them being 7,732,297 marks. Of the total number 114,427 were permanent paupers.

### Finance.

The Bavarian budget is voted for a period of two years. The estimates for each of the years 1890 and 1891 provided for revenue and expenditure of 280,291,642 marks; and for each of the years 1892 and 1893, for revenue and expenditure of 306,292,271 marks. The sources of revenue and branches of expenditure were estimated as follows for each of the financial years 1894 and 1895:—

Sources of Revenue	Marks	Branches of Expenditure	Marks
Direct taxes . . .	37,903,008	Public debt . . .	49,995,430
Indirect . . .	103,945,150	Civil list and appanages .	5,403,906
State railways, post, telegraphs, mines, &c. . . . .	151,481,221	Council of State . . .	27,840
State domains . . .	30,809,978	Diet . . . . .	461,375
Miscellaneous receipts	4,201,312	Ministry of Foreign Affairs	647,945
		.. Justice . . .	14,886,240
		.. Interior . . .	22,500,338
		.. Finance . . .	4,189,359
		.. Worship and Education . . .	25,500,610
		Pensions and allowances .	9,972,413
		Contribution to Imperial expenditure . . .	50,895,280
		Charges of collection of Revenue . . .	141,729,038
		Various expenses . . .	2,131,495
Total gross revenue	328,341,269	Total expenditure . . .	328,341,269

The direct taxes are a trade-tax, house-tax, land-tax, and income-tax.

The debt of Bavaria amounted at the end of August, 1893, to 1,352,676,721 marks. Of this amount 993,460,400 marks is railway debt. The greater number of the railways in Bavaria, constructed at a cost of 1,068,363,209 marks (end 1892) are the property of the State. For five or six years the annual receipts from the railways have exceeded the charges for the railway debt, in some years by as much as 6,000,000 marks.

### Army.

The Bavarian army forms an integral part of the Imperial army, having, in peace, its own administration. The military supplies, though voted by the Bavarian Parliament, must bear a fixed proportion to the amount voted for the rest of Germany by the Reichstag (see page 546). The Bavarian troops form the 1st and 2nd Bavarian army-corps, not numbered consecutively with the other German army-corps; and there are certain differences in the matter of uniform permitted to the Bavarian troops. The administration of the fortresses in Bavaria is also in the hands of the Bavarian Government during peace.

The contribution of Bavaria to the Imperial army in 1893 was as follows in officers and men:—

	Officers	Men		Officers	Men
Infantry	1,342	41,705	Pioneers	72	2,000
Jäger	36	1,230	Train	36	1,132
Landwehr	70	592	Special	341	166
Cavalry	256	7,111			
Artillery	395	9,124	Total	2,548	63,060

### Production and Industry.

Of the total area of Bavaria, nearly one-half is under cultivation, one-sixth under grass, and one-third under forests. The number of separate farms in 1882 was as follows:—

Under 1 Hect.	1-10 Hect.	10-100 Hect.	100 Hect. & over	Total
174,056	374,907	131,964	594	681,521

These farms supported a population of 2,665,123, of whom 1,355,466 were actually engaged in agriculture. The areas (in hectares) under the chief crops, and the yield per hectare in metric tons, in 1893, with the annual average for 1882-91, were as follows:—

—	1892		Average Yield 1882-91	—	1892		Average Yield 1882-91
	Area, in hect.	Yield			Area, in hect.	Yield	
Wheat	323,711	1·35	1·33	Oats	450,538	0·81	1·28
Rye	554,426	1·43	1·23	Potatoes	316,361	12·45	9·69
Barley	353,982	1·19	1·40	Hops	26,227	0·18	0·48

Vines occupied 23,792 hectares in 1892, and yielded 737,680 hectolitres, as against 846,550 hectolitres in 1890 of wine; 2,310 hectares were planted with tobacco, yielding 3,051 metric tons of dried leaf.

The total value of the leading mining products of Bavaria in 1893 was 10,758,546 marks.

The brewing of beer is a highly important industry in Bavaria (see *German Empire*, p. 556). The average quantity manufactured is 15,019,297 hectolitres, of which 2,385,555 hectolitres are exported. In 1893, 4,667 distilleries produced 119,000 hectolitres of alcohol.

In 1894 Bavaria had 3,710 miles of railway, of which 3,152 miles belonged to the State.

*British Minister Resident.*—Victor A. W. Drummond, appointed 1885.  
*Consul.*—John S. Smith.

### References.

- Hof- und Staats-Handbuch des Königreichs Bayern. S. München, 1894.  
Statistisches Jahrbuch für das Königreich Bayern. S. München, 1894.

**BREMEN.**

(FREIE STADT BREMEN.)

**Constitution.**

The State and Free City of Bremen form a republic, governed, under a Constitution proclaimed March 5, 1849, and revised February 21, 1854, November 17, 1875, December 1, 1878, and May 27, 1879, by a Senate of sixteen members, forming the executive, and the 'Bürgerschaft' (or Convent of Burgesses) of 150 members, invested with the power of legislation. The Convent is returned by the votes of all the citizens, divided into classes. The citizens who have studied at a university return 14 members; the merchants 42 members; the mechanics and manufacturers 22 members, and the other tax-paying inhabitants of the Free City the rest. The Convent and Senate elect the sixteen members of the Senate, ten of whom at least must be lawyers. Two burgomasters, the first elected for four years, and the second for the same period, direct the affairs of the Senate, through a Ministry divided into twelve departments—namely, Foreign Affairs, Church and Education, Justice, Finance, Police, Medical and Sanitary Administration, Military Affairs, Commerce and Shipping, Ports and Railways, Public Works, Industry, and Poor Laws. All the ministers are senators.

**Area and Population.**

The State embraces an area of 99 English square miles. The population amounted in 1875 to 142,220, inclusive of a Prussian garrison; in 1880 it was 156,723; on December 1, 1885, it was 165,628; on December 1, 1890, it was 180,443. The increase of population from 1871 to 1875 was larger than in any other State of Germany, reaching the high rate of 3·82 per cent. per annum; but it sank afterwards, for in the five years from 1885 to 1890 the increase was but 1·64 per annum. Of the total population in 1890, 88,144 were males, 92,299 females—i.e. 104·7 females per 100 males. Marriages, 1893, 1,673, births, 6,114—185 (3·03 per cent.) still-born, 379 (6·20 per cent.) illegitimate; deaths, 3,490; surplus, 2,438.

Bremen, with Bremerhaven, is one of the chief outlets of German emigration. The following table shows the emigration statistics for three years:—

Year	From Bremen itself	Other Germans	Foreigners	Total
1891	1,006	58,073	79,378	138,457
1892	961	58,267	67,801	127,029
1893	828	38,618	66,845	106,291

The foreign emigrants were chiefly natives of Austria-Hungary and Russia.

**Religion, Justice, and Crime.**

On Dec. 1, 1890, Bremen contained 169,991 Protestants (94·2 per cent.), 8,018 Roman Catholics (4·4 per cent.), 1,360 other Christians, 1,031 Jews, and 43 'unclassified.'

Bremen contains two Amtsgerichte and a Landgericht, whence appeals lie to the 'Hanseatische Oberlandesgericht' at Hamburg. In 1893, 3,625 persons were convicted of crime—i.e. 203 per 10,000 inhabitants. In 1885, 3,959 persons, with 7,282 dependents, received public poor-relief.

### Finance.

In 1893-94 the revenue was 16,341,958 marks, and expenditure 27,772,500 marks, including 9,322,004 of extraordinary expenses. More than one-third of the revenue is raised from direct taxes, one-half of which is income-tax. The chief branch of expenditure is for interest and reduction of the public debt. The latter amounted, in 1893, to 98,045,900 marks. The whole of the debt, which bears interest at  $3\frac{1}{2}$  and  $4\frac{1}{2}$  per cent., was incurred for constructing railways, harbours, and other public works.

### Commerce and Shipping.

Next to that of Hamburg, the port of Bremen is the largest for the international trade of Germany. About 66 per cent. of the commerce of Bremen is carried on under the German, and about 29 per cent. under the British flag. The aggregate value of the imports in 1893 was 723,552,013 marks, of which 46,052,943 marks were from Great Britain; and of exports, 676,215,953 marks, of which 28,421,584 marks went to Great Britain.

The number of merchant vessels belonging to the State of Bremen on Jan. 1, 1894, was 411, of 414,215 tons, the number including 183 steamers of an aggregate burthen of 204,939 tons. Of the steamers sailing under the Bremen and German flag, 55 (aggregate tonnage 196,362) belong to the navigation company called the 'North-German Lloyd,' which maintains communication between Bremen and various ports in North and South America, Eastern Asia, and Australia; 29 steamers belong to the 'Hansa' Company, plying to Madras and Calcutta, and 27 to the 'Neptun' Company, trading with European ports.

*British Consul-General.*—Hon. Charles S. Dundas (Hamburg).

*British Vice-Consuls.*—(Bremen) Herr Boyes, (Brake) Herr Gross, (Bremerhaven) Herr Schwoon.

## BRUNSWICK.

(BRAUNSCHWEIG.)

### Regent.

**Prince Albrecht**, born May 8, 1837; son of the late Prince Albrecht of Prussia, brother of the first German Emperor Wilhelm I., and Marianne, daughter of the late William I., King of the Netherlands, Field-Marshal in the German army. Married, April 19, 1873, to Princess *Maria*, Duchess of Saxony, daughter of Duke Ernst of Saxe-Altenburg. Unanimously elected regent of the Duchy by the Diet, October 21, 1885; assumed the reins of government November 2, 1885. The children of the regent are: 1, Prince *Friedrich Heinrich*, born July 15, 1874; 2, Prince *Joachim Albrecht*, born September 27, 1876; 3, Prince *Friedrich Wilhelm*, born July 12, 1880.

The last Duke of Brunswick was **Wilhelm I.**, born April 25, 1806, the second son of Duke Friedrich Wilhelm and of Princess Marie of Baden; ascended the throne April 25, 1831, and died October 18, 1884.

The heir to Brunswick is the Duke of Cumberland, excluded owing to his refusal to give up claim to the throne of Hanover. Duke of Cambridge, the



nearer *agnate* heir, also not accepted owing to his refusal to give up his English appointments and residence.

The ducal house of Brunswick-Wolfenbüttel, extinct on the death of Wilhelm I., was long one of the most ancient and illustrious of the Germanic Confederation. Its ancestor, Henry the Lion, possessed, in the twelfth century, the united duchies of Bavaria and Saxony, with other territories in the North of Germany; but having refused to aid the Emperor Friedrich Barbarossa in his wars with the Pope, he was, by a decree of the Diet, deprived of the whole of his territories with the sole exception of his allodial domains, the principalities of Brunswick and Lüneburg. These possessions were, on the death of Ernest the Confessor, divided between the two sons of the latter, who became the founders of the lines of Brunswick-Lüneburg, Elder Line, and Brunswick-Lüneburg, Younger Line, the former of which was represented in the ducal house of Brunswick, while the latter is merged in the royal family of Great Britain.

The Brunswick regency law of February 16, 1879, enacts that in case the legitimate heir to the Brunswick throne be absent or prevented from assuming the government, a Council of Regency, consisting of the Ministers of State and the Presidents of the Landtag and of the Supreme Court, should carry on the government; while the German Emperor should assume command of the military forces in the Duchy. If the rightful heir, after the space of a year, is unable to claim the throne, the Brunswick Landtag shall elect a regent from the non-reigning members of German reigning families.

The late Duke of Brunswick was one of the wealthiest of German sovereigns, having been in possession of the principality of Oels, in Silesia, now belonging to the Prussian Crown, and vast private estates and domains in the same district and adjoining, bequeathed to the King of Saxony.

### Constitution.

The Constitution of Brunswick bears date October 12, 1832, but was modified by the fundamental laws of November 22, 1851, and March 26, 1888. The legislative power is vested in one Chamber, consisting, according to the law of 1851, of forty-six members. Of these, twenty-one are elected by those who are highest taxed; three by the Protestant clergy; ten by the inhabitants of towns, and twelve by those of rural districts. The Chamber meets, according to the law of 1888, every two years, and the deputies hold their mandate for four years. The executive is represented by a responsible Staatsministerium, or Ministry of State, consisting at present of three departments, namely—of State, Foreign Affairs and Finance, of Justice and Ecclesiastical Affairs, and of the Interior.

### Area and Population.

The Duchy has an area of 1,424 English square miles, with a population of 403,773 inhabitants (201,428 males, 202,345 females), according to the census of December 1, 1890. The increase was at the rate of 1·32 per cent. per annum in the five years 1880–85, and 1·68 in 1885–90. Marriages, 1893, 3,447; births, 15,530; deaths, 9,688; surplus, 5,283. Included in the births are 559 (3·60 per cent.) still-born, and 1,688 (10·87 per cent.) illegitimate children. Emigrants 1888, 322; 1889, 268; 1890, 305; 1891, 254; 1892, 333; 1893, 331. Nearly the whole of the inhabitants of the Duchy are members of the Lutheran Church, there being only 16,419 Catholics in 1890.

The capital, Brunswick (Braunschweig), had 191,947 inhabitants at the Census of Dec. 1, 1890; in 1894, 115,000.

### Finance.

The budget is voted by the Chamber for the period of two years, but each year separate. For the year from April 1, 1894, to April 1, 1895, the revenue of the State is fixed at 13,301,500 marks, and the expenditure at 14,301,500 marks. Not included in the budget estimates is the civil list of the Duke—1,125,000 marks. The public debt of the Duchy, without regard to a premium-loan repayable in rates of 1,219,740 marks yearly till 1924, at the commencement of 1894 was 26,911,500 marks, four-fifths of which were contracted for the establishment of railways; the productive capital of the State was at the same time 41,570,000 marks, besides an annuity of 2,625,000 marks till 1934, stipulated at the sale of the railways of the State.

### Production and Industry.

Brunswick numbered on June 5, 1882, 53,611 agricultural enclosures each under one household, having a population of 113,177, of whom 59,643 were actively engaged on the farms. Of these farms, 34,129 were less than 1 hectare, 14,149 ranged from 1 to less than 10 hectares, 5,168 from 10 to less than 100 hectares, and 165 had an area each of 100 hectares and upwards.

The chief crops are wheat (30,670 hectares in 1893), rye (34,140), and oats (30,520). The produce in 1893 was:—wheat, 78,622,500 kilogrammes; rye, 75,832,000; barley, 14,772,400; oats, 46,979,100.

In 1893 minerals, included salt, were raised to the value of 4,473,700 marks.

There were 245 miles of railway in 1894.

*British Minister Plenipotentiary.*—Right Hon. Sir Edward Malet, G. C. B., G. C. M. G.

*Consul-General.*—Hon. C. S. Dundas (Hamburg).

### References.

Beiträge zur Statistik des Herzogthum Braunschweig.

Handelskammerberichte.

*Hassl und Boge*, Geographisch-Statistische Beschreibung, 1892.

*Knoll und Bode*, Das Herzogthum Braunschweig, 1892.

## HAMBURG.

(FREIE UND HANSE-STADT HAMBURG.)

### Constitution.

The State and Free City of Hamburg is a republic. The present Constitution was published on September 28, 1860, and came into force on January 1, 1861; a revision was published on October 13, 1879. According to the terms of this fundamental law, the government—*Staatsgewalt*—is entrusted, in common, to two Chambers of Representatives, the Senate and the *Bürgerschaft*, or House of Burgesses. The Senate, which exercises chiefly, but not entirely, the executive power, is composed of eighteen members, one half of whose number must have studied law or finance, while seven out of the remaining nine must belong to the class of merchants. The members of the Senate are elected for life by the House of Burgesses; but a senator is at liberty to retire at the end of six years. A first and second burgomaster, chosen annually in secret ballot, preside over the meetings of the Senate. No burgomaster can be in office longer than two years; and no member of the Senate is allowed to hold any public office whatever. The House of Burgesses consists of 160 members, 80 of whom are elected in secret ballot by the votes of all tax-paying citizens. Of the remaining 80 members, 40 are chosen, also by ballot, by the owners of house-property in the city,

while the other 40 are chosen, also by ballot, by the members of various guilds, corporations, and courts of justice. All the members of the House of Burgesses are chosen for six years, in such a manner that every three years new elections take place for one-half the number. The House of Burgesses is represented, in permanence, by a Bürger-Ausschuss, or Committee of the House, consisting of 20 deputies, of whom no more than five are allowed to be members of the legal profession. It is the special duty of the Committee to watch the proceedings of the Senate and the general execution of the articles of the Constitution, including the laws voted by the House of Burgesses. In all matters of legislation, except taxation, the Senate has a veto; and, in case of a constitutional conflict, recourse is had to an assembly of arbitrators, chosen in equal parts from the Senate and the House of Burgesses; also to the Supreme Court of Judicature of the Empire (Reichsgericht) at Leipzig.

The jurisdiction of the Free Port was, on January 1, 1882, restricted to the city and port by the inclusion of the Lower Elbe in the Zollverein, and on October 15, 1888, the whole of the city, except the actual port and the warehouses connected with it (population 1,490 in 1890), was incorporated in the Zollverein. The alterations in the port necessitated by this step have involved an expenditure of six millions sterling, to which the Imperial Government contributes two millions.

### Area and Population.

The State embraces a territory of 158 English square miles, with a population on December 1, 1880, of 453,869; December 1, 1885, of 518,620, and on December 1, 1890, 622,530. Included in the census returns were two battalions of Prussian soldiers, forming the garrison of Hamburg. The State consists of three divisions, the population of each of which was as follows on December 1, 1890:—City of Hamburg, with suburb, 323,923; 15 outlying suburbs (Vororte), 245,337; Landgebiet, 53,270. In the four years from 1867 to 1871 the population of the State increased at the rate of 2·51 per cent. per annum; from 1871 to 1875 at the rate of 3·41, 1875–80 at 3·10; in 1880–85 at 2·66 per cent., and in 1885–90 at 4 per cent. yearly. A large stream of emigration, chiefly to America, flows through Hamburg. Of the population in 1890, 308,535 were males and 313,995 females, i.e. 101·1 females per 100 males. There were 16,748 foreigners—3,688 Austrians, 2,731 Swedish and Norwegians, 3,116 Danes, 1,661 British, 3,526 other Europeans, 2,026 non-Europeans, and 28 unclassified—resident in Hamburg in 1890.

The following table shows the number of emigrants viâ Hamburg for five years:—

Year	From Hamburg itself	Other Germans	Foreigners	Total	Bound for the United States	For other Destinations
1889	1,393	21,665	51,285	74,343	68,481	5,862
1890	1,608	23,321	74,421	99,350	93,013	6,337
1891	1,905	29,819	112,658	144,382	130,958	13,424
1892	1,919	26,225	80,676	108,820	99,431	9,389
1893	2,194	28,316	28,362	58,872	46,933	11,939

Marriages (1893), 6,409; births, 24,111 (701, or 2·91 per cent., still-born; 2,797, or 11·60 per cent., illegitimate); deaths, 12,977; surplus of births, 10,433.

### Religion, Justice, Crime, and Agriculture.

On December 1, 1890, Hamburg contained 567,617 Protestants (91 per cent.), 23,288 Roman Catholics (3·74 per cent.), 8,204 other Christians, 17,973 Jews (2·89 per cent.), and 5,448 unclassified.

The State contains three Amtsgerichte, a Landgericht, and the 'Hanseatische Oberlandesgericht,' or court of appeal for the Hanse Towns and the Principality of Lübeck (Oldenburg). In 1892, 8,650 persons, i.e. 180·5 per 10,000 inhabitants above twelve years, were convicted of crime. In 1885, 22,738 persons, with 27,351 dependents, received public poor-relief.

The number of separate agricultural holdings in the "Landgebiet" of Hamburg on June 5, 1882, was as follows:—

Under 1 Hect.	1-10 Hect.	10-100 Hect.	Above 100 Hect.	Total
4,856	1,039	632	16	6,543

These farms supported a population of 20,530, of whom 8,736 were actively engaged in agriculture.

### Finance.

For 1894 the revenue was estimated at 63,642,727 marks, and expenditure 69,909,188 marks. The largest source of income is direct taxes, amounting to more than one-third the whole revenue, and next to that the proceeds of domains, quays, railways, &c. The largest item in the expenditure is for the debt, 12,498,260 marks in 1894; for education the expenditure is 6,705,493 marks. The direct taxation amounts to 30 marks per head of population.

The public debt of Hamburg on January 1, 1894, amounted to 327,327,431 marks. The debt was incurred chiefly for the construction of public works.

### Commerce and Shipping.

Hamburg is the principal seaport in Germany (comp. table on p. 562). The following table exhibits the imports and exports by sea during five years:—

Year	Imports by Sea		Exports by Sea	
	Weight in 100 Kilogrammes	Value in 1,000 Marks	Weight in 100 Kilogrammes	Value in 1,000 Marks
1889	46,016,434	1,245,581	23,957,299	1,206,415
1890	50,069,666	1,376,929	25,123,295	1,260,475
1891	54,251,889	1,521,399	26,830,608	1,295,425
1892	54,907,741	1,489,180	24,207,611	1,197,824
1893	54,963,151	1,556,879	26,356,645	1,291,343

The import and export of the precious metals are not included in the above figures. The total value of the imports in 1893 was 124,119,950 marks, and of the exports 9,066,910 marks. The marine trade of Hamburg in 1893 in millions of kilogrammes was:—

Country	Imports	Exports	Country	Imports	Exports
Great Britain .	2,017·5	802·5	United States .	666·3	459·9
France . . . .	100·8	71·0	Brazil . . . .	88·3	113·2
Holland . . . .	46·5	50·8	Other American Ports .	735·0	241·2
German Ports .	101·9	205·4	Total for America .	1,489·6	814·3
North Europe .	248·1	299·5	Asia . . . .	505·0	159·4
Other European Ports .	814·0		Africa . . . .	141 6	87·5
Total for Europe	3,328·8	1,544·2	Australia . .	31 3	30·3

The total number of vessels which entered and cleared at Hamburg during each of five years was as follows :—

Year	Entered		Cleared		Total	
	Ships	Tons	Ships	Tons	Ships	Tons
1889	8,079	4,809,892	8,079	4,826,906	16,158	9,636,798
1890	8,176	5,202,825	8,185	5,214,271	16,361	10,417,096
1891	8,673	5,762,369	8,684	5,766,318	17,357	11,528,687
1892	8,569	5,639,010	8,565	5,640,163	17,134	11,279,173
1893	8,792	5,886,378	8,838	5,933,580	17,630	11,819,958

The following is the number and tonnage of vessels entered and cleared with cargoes only :—

Year	Entered		Cleared		Total	
	Ships	Tons	Ships	Tons	Ships	Tons
1889	6,947	4,469,698	5,871	3,496,303	12,818	7,966,001
1890	6,978	4,815,327	6,040	3,831,535	13,018	8,646,862
1891	7,368	5,310,657	6,238	4,176,775	13,606	9,487,432
1892	7,175	5,203,044	6,036	3,941,981	13,211	9,145,025
1893	7,339	5,443,571	6,313	4,091,911	13,652	9,535,488

The number and tonnage of British vessels that entered and cleared at Hamburg were as follows :—

Year	Entered				Cleared			
	With Cargoes		In Ballast		With Cargoes		In Ballast	
	Ships	Tons	Ships	Tons	Ships	Tons	Ships	Tons
1889	2,831	2,028,220	238	137,381	2,107	1,420,697	956	741,366
1890	2,827	2,151,634	226	196,759	2,160	1,567,537	892	782,897
1891	2,980	2,416,329	244	216,118	2,162	1,664,305	1,049	955,430
1892	2,996	2,473,994	176	162,765	2,027	1,518,121	1,138	1,115,712
1893	3,032	2,581,559	203	182,405	2,017	1,541,630	1,211	1,211,036

The total number of sea-going vessels, above 17·65 registered tons, which belonged to the port of Hamburg, was as follows on December 31 of the years 1889-93 :—

Year	Sailing Vessels		Steamers		Total		No. of Crews
	No.	Tonnage	No.	Tonnage	No.	Tonnage	
1889	262	156,204	258	293,535	520	449,739	11,220
1890	268	164,650	297	356,755	565	521,405	12,786
1891	273	175,975	305	377,439	578	553,414	13,507
1892	275	194,482	323	392,932	598	587,414	13,963
1893	287	196,687	347	422,385	634	619,072	14,489

In 1893 there were 23 miles of railway.

*British Consul-General.*—Hon. Charles S. Dundas.

### References concerning Hamburg.

Tabellarische Uebersichten des hamburgischen Handels. Statistik des hamburgischen Staates. Statistisches Handbuch für den hamburgischen Staat. Hamburgischer Staatskalender.

*Zimmern* (Helen), *The Hansa Towns*. In *Story of the Nations Series*. 8. London, 1889.

## HESSE.

### (GROSSHERZOGTHUM HESSEN.)

**Reigning Grand-Duke.**—**Ernst Ludwig**, born November 25, 1868; the son of Grand-duke Ludwig IV. and of Princess Alice, second daughter of Queen Victoria, of Great Britain and Ireland; succeeded to the throne at the death of his father, March 13, 1892. Married, April 19, 1894, to Grand-duchess Victoria, born November 25, 1876, the daughter of Duke Alfred of Saxe-Coburg and Gotha.

*Sisters of the Grand-duke.*—I. *Victoria*, born April 5, 1863; married to Prince Ludwig of Battenberg, April 30, 1884. II. *Elizabeth*, born November 1, 1864; married to the Grand-duke Sergius Alexandrovitch of Russia, June 15, 1884. III. *Irene*, born July 11, 1866, married to Prince Heinrich of Prussia, May 24, 1888. IV. *Alice*, born June 6, 1872; married to Nicholas II. Emperor of Russia, November 14, 1894.

*Uncles of the Grand-duke.*—I. Prince *Heinrich*, born Nov. 28, 1838; married, Feb. 28, 1878, to Caroline Willich, created Freifrau zu Nidda; widower, Jan. 6, 1879; remarried, Sept. 20, 1892, to Emily Hrzik, created Frau von Dornberg; offspring, Charles, Count of Nidda, born Jan. 4, 1879. II. Prince *Wilhelm*, born Nov. 16, 1845, married, Feb. 24, 1884, to Louisa Bender, created Frau von Lichtenberg.

Children of Prince *Alexander*, uncle of the late Grand-duke Ludwig IV. (died Dec. 15, 1888) and Princess Julia von Battenberg, born Nov. 12, 1825. Offspring of the union are<sup>1</sup>:—1. Marie, born July 15, 1852; married, April 29, 1871, to Count Gustaf von Erbach-Schönberg. 2. Ludwig, born May 24, 1854, commander in the British navy; married to Princess Victoria of Hesse, April 30, 1884; offspring, Alice, born February 25, 1885; Louise, born July 13, 1889; George, born Nov. 6, 1892. 3. Heinrich, born October 5, 1858; married, July 23, 1885, to Princess Beatrice of Great Britain; offspring, Alexander, born Nov. 23, 1886; Victoria, born Oct. 24, 1887; Leopold, born May 21, 1889; Maurice, born October 3, 1891. 4. Franz Josef, born September 24, 1861.

<sup>1</sup> Alexander, Prince of Bulgaria, 1879-86, afterwards Count Hartenau, died Nov. 16, 1893.

The former Landgraves of Hesse had the title of Grand-duke given them by Napoleon I., in 1806, together with a considerable increase of territory. At the Congress of Vienna this grant was confirmed, after some negotiations. The reigning family are not possessed of much private property, but dependent almost entirely upon the grant of the civil list, amounting to 1,331,857 marks, the sum including allowances to the princes.

### Constitution.

The Constitution bears date December 17, 1820; but was modified in 1856, 1862, and 1872. The legislative power is vested in two Chambers, the first composed of the princes of the reigning family, the heads of a number of noble houses, the Roman Catholic bishop, the chief Protestant superintendent, the Chancellor of the University, two members elected by the noble landowners, and a number (twelve) of life-members, nominated by the Grand-duke; while the second consists of ten deputies of the eight larger towns, and forty representatives of the smaller towns and rural districts. Members of both Chambers whose seats are not hereditary, and who do not reside at the seat of the Legislature, receive an allowance of 9s. a day.

The executive is represented by a ministry divided into three departments, namely, of the Grand-ducal House and Foreign Affairs; of the Interior and of Justice; and of Finance.

### Area and Population.

The area and population were as follows on December 1, 1880, 1885, and 1890:—

	Sq. Miles	Population			Pop. per sq. mile, 1890
		1880	1885	1890	
Upper Hesse (Oberhessen) . . . . .	1,269	264,614	263,044	265,912	209·5
Rhenish Hesse (Rhein Hessen) . . . . .	531	277,152	291,189	307,329	578·8
Starkenbug . . . . .	1,166	394,574	402,378	419,642	359·9
<b>Total</b> . . . . .	<b>2,966</b>	<b>936,340</b>	<b>956,611</b>	<b>992,883</b>	<b>334·8</b>

There were 492,348 males and 500,535 females in 1890. Increase from 1875 to 1880 at the rate of 1·14 per cent. per annum; from 1880 to 1885 at the rate of 0·43 per cent.; from 1885 to 1890 at the rate of 0·76 per cent. There were 8,036 marriages in Hesse in 1893, 33,960 births and 24,755 deaths, leaving a surplus of 9,205 births. Among the births are 1,236, or 3·64 per cent., stillborn, and 2,672, or 7·87 per cent., illegitimate children. Emigrants, 1,725 in 1886, 2,334 in 1887, 2,220 in 1888, 2,011 in 1889, 2,122 in 1890, 1,992 in 1891, 1,716 in 1892, and 1,422 in 1893.

The largest towns of the Grand-duchy are Mayence or Mainz, with 72,059; Darmstadt, the capital, 56,399 (including Bessungen); Offenbach, 35,085; Worms, 25,474; Giessen, 20,571 inhabitants, at the census of December 1, 1890.

### Religion and Instruction.

Of the population in 1890, 666,118 were Protestants; 293,651 Catholics; 7,390 other Christian sects; 25,531 Jews; and 193 unclassified, or of 'no religion.'

Hesse has a university at Giessen, with 576 matriculated students and 26

'listeners' in 1894, a technical university at Darmstadt, with 614 students and 102 'hospitants' in 1894. There are 993 public elementary schools (1894), and 906 advanced elementary schools, besides 33 higher schools.

### Finance.

The budget is granted for the term of three years. The revenue for the financial period 1894-97 was estimated at 27,352,964 marks in ordinary, 7,083,590 marks in extraordinary, per annum; and the expenditure at 27,563,830 marks in ordinary, 3,903,980 marks in extraordinary, per annum. The public debt amounted to 39,109,025 marks in 1894, of which 35,345,020 marks are railway debt; against this are active funds of the State amounting to 4,166,503 marks. The total annual charge of the debt in the budget of 1894-97 is 1,559,590 marks in ordinary, and 1,164,133 marks in extraordinary.

### Production and Industry.

The number of agricultural enclosures, each under one household, was (1882) 128,526, with a population of 381,995, of whom 156,296 were actively engaged on the farms. Of these farms 54,029 were less than 1 hectare each; 65,199 ranged from 1 to less than 10 hectares, and 9,174 from 10 to less than 100 hectares, while there were 124 having a surface of 100 hectares and upwards. The chief crops are wheat (40,412 hectares in 1892-93), rye, (66,529), barley (55,894), oats (45,739), and potatoes (67,696). Minerals to the value of 1,800,744 marks, salt of 589,977 marks were raised in 1892.

Hesse has 599 miles of railway, of which 234 belong to the State.

*British Chargé d'Affaires.*—G. W. Buchanan (Carlsruhe).

*Consul-General.*—Sir Charles Oppenheimer (Frankfort).

## LIPPE.

### (FÜRSTENTHUM LIPPE.)

#### Reigning Prince.

**Waldemar**, born April 18, 1824, the second son of Prince Leopold and of Princess Emilie of Schwarzburg-Sondershausen; succeeded to the throne at the death of his brother, December 8, 1875; married, November 9, 1858, to Princess Sophie, born August 7, 1834, daughter of the late Margrave Wilhelm of Baden. The only living brother of the reigning Prince is Prince Alexander, born January 16, 1831, formerly captain in the Hanoverian army.

The house of Lippe is the eldest branch of the ancient family of Lippe, from which proceeded in the seventeenth century the still flourishing collateral lineages of Schaumburg-Lippe, Lippe-Biesterfeld, &c. The Prince has not a civil list. For the expenses of the court, &c., are allotted the revenues arising from the Domanium (farms, forests, &c.), which, according to the covenant of June 24, 1868, are indivisible and inalienable entail estate of the Prince's house, the usufruct and administration of which belong to the reigning Prince.

#### Constitution.

A charter of rights was granted to Lippe by decree of July 6, 1836, partly replaced by the electoral law of June 3, 1876, according to which the Diet is composed of twenty-one members, who are elected in three divisions determined by the scale of the rates. The discussions are public. To the Chamber



belongs the right of taking part in legislation and the levying of taxes ; otherwise its functions are consultative. A minister presides over the government.

### Area and Population.

The population at the census of December 1, 1890, numbered 128,495, living on an area of 469 English square miles. At the census of 1880, the inhabitants numbered 120,216, showing an increase at the rate of 0·5 per cent. per annum. Of the population 62,978 were males, and 65,517 (or 104 per 100 males) females. Marriages, 1893, 1,056 ; births 4,957 (184 stillborn, 250 illegitimate) ; deaths, 3,050 ; surplus, 1,907.

The emigration statistics are as follows :—

1886	1887	1888	1889	1890	1891	1892	1893
176	58	122	28	49	47	166	245

The capital, Detmold, has 9,735 inhabitants (1890). Except 4,332 Catholics and 989 Jews (1890), the people are Protestants.

### Finance and Industry.

The budget is arranged for two years. For 1894 the revenue was estimated at 1,148,659 marks, and expenditure 1,148,190 marks.

In 1882 the separate farms were as follows :—

Under 1 Hectare	1-10 Hectares	10-100 Hectares	Over 100 Hectares	Total
14,567	7,210	1,515	29	23,321

These farms supported a population of 45,733, of whom 19,619 were actively engaged in agriculture. Railways, 18 miles.

*British Consul-General.*—Hon. C. S. Dundas (Hamburg).

## LÜBECK.

(FREIE UND HANSE-STADT LUBECK.)

### Constitution.

The free city and State of Lübeck form a Republic, governed according to a Constitution proclaimed December 30, 1848, revised December 22, 1851, and April 7, 1875. The main features of this charter are two representative bodies—first, the Senate, exercising the executive, and, secondly, the Bürgerschaft, or House of Burgesses, exercising, together with the Senate, the legislative authority. The Senate is composed of fourteen members, elected for life, and presided over by one burgomaster, who holds office for two years. There are 120 members in the House of Burgesses, chosen by all citizens of the town. A committee of thirty burgesses, presided over by a chairman elected for one year, has the duty of representing the legislative assembly in the intervals of the ordinary sessions, and

of carrying on all active business. The government is in the hands of the Senate, but the House of Burgesses has the right of initiative in all measures relative to the public expenditure, foreign treaties, and general legislation. To the passing of every new law the sanction of the Senate and the House of Burgesses is required.

### Area and Population.

The State comprises a territory of 115 English square miles, of which the population in 1880 was 63,571, including a garrison ; on December 1. 1890, the population was 76,485 (37,471 males and 39,014 females). The city proper had 39,743, and the rural districts, composed of scattered portions of territory surrounded by Prussia, Oldenburg, and Mecklenburg, 12,415 inhabitants in 1875 ; in 1880 the city had increased to 51,055, in 1885 to 55,399, and in 1890 to 63,590. In the four years from 1871 to 1875 the population increased at the rate of 2·28 per cent. per annum ; in the five years from 1875 to 1880 at the rate of 2·34 per cent. ; in 1880-85 at 1·29 per cent. ; and in 1885-90 at 14·79 per cent.

In the State of Lübeck the movement of population during four years was as follows :—

Year	Marriages	Births	Deaths	Surplus of Births	Emigration
1890	623	2,470	1,602	868	77
1891	619	2,611	1,707	904	105
1892	620	2,569	1,455	914	85
1893	611	2,680	1,646	934	117

In 1893 there were 207 illegitimate births, or 7·7 per cent. of the total births, and 57 still-births, or 2·1 per cent.

### Religion, Instruction, Justice, and Pauperism.

On December 1, 1890, Protestants numbered 74,544 (97·5 per cent.), Roman Catholics 1,143 (1·5 per cent.), other Christians 122, Jews 654, and 'unclassified' 22. Education is compulsory between the ages of 6 and 14. In the city and suburbs there are (1890) 18 elementary schools (9 for each sex), with 6,778 pupils ; for boys 1 gymnasium (601 pupils), 1 Höhere Bürgerschule (233 pupils), 1 private higher school (522 pupils), and 3 public middle schools ; for girls there are 4 private high schools and several private middle schools. There are also a public technical school for apprentices, and 2 private commercial schools. Four daily newspapers, one weekly and one bi-weekly periodical, are published in the city. Lübeck contains an Amtsgericht and a Landgericht, whence the appeal lies to the 'Hanseatisches Oberlandesgericht' at Hamburg. The police force number 139 men, and in 1890 cost 240,620 marks ; 1891, 240,113 marks ; 1892, 235,322 marks ; 1893, 245,132 marks. In 1890, 585 ; 1891, 544 ; 1892, 603 ; 1893, 540 criminals were convicted. In 1891, 1,023 ; 1893, 1,339 persons received poor-relief from the State 'Armen-Anstalt,' which spent, in 1893, 105,505 marks out of a revenue of 118,838 marks.

### Finance.

The estimated revenue for the year 1894 amounted to 4,524,378 marks, and the expenditure to the same amount. About one-sixth of the revenue is derived from public domains, chiefly forests ; one-fourth from interest ; and

the rest mostly from direct taxation. Of the expenditure, one-fourth is for the interest and reduction of the public debt, the latter amounting, in 1893, to 9,322,620·91 marks.

### Commerce and Shipping.

The total commerce of Lübeck was as follows:—

Year	Imports in 1,000 kilogrammes	Value in 1,000 marks	Exports in 1,000 kilogrammes	Value in 1,000 marks
1875	486,756	194,435	276,324	160,314
1890	803,184	222,858	524,613	202,228
1891	836,891	225,273	516,101	196,393
1892	805,301	225,512	496,539	199,761
1893	810,071	233,905	484,602	195,640

Imports by sea in 1893, 63,846,655 marks; exports, 122,990,494 marks.

The chief articles of commerce are timber, corn, coal and coke, iron, and colonial produce. The bulk of the direct trade of Lübeck is carried on with Denmark, Great Britain, Russia, and Sweden and Norway. (For the shipping statistics see under Germany.) The number of vessels arriving under the British flag in 1893 was 25 of 20,415 registered tons. The number of vessels belonging to the port of Lübeck at the end of 1893 was 33, with an aggregate tonnage of 12,458, of which 29 vessels, with an aggregate tonnage of 10,499, were steamers.

The State contained 29 miles of railway in 1892, belonging to private companies.

*British Vice-Consul.*—H. L. Behncke.

### References.

There are published annually by the Handelskammer, Jahresbericht der Handelskammer and Tabellarische Übersichten des Lubeckischen Handels.

## MECKLENBURG-SCHWERIN.

(GROSSHERZOGTHUM MECKLENBURG-SCHWERIN.)

### Reigning Grand-duke.

**Friedrich Franz III.**, born March 19, 1851; son of Friedrich Franz II. and Princess Augusta of Reuss-Schleiz; succeeded to the throne on the death of his father, April 15, 1883; married, January 24, 1879, to Grand-duchess Anastasia, born July 28, 1860, daughter of Grand-duke Michael of Russia. Offspring: 1. *Alexandrine*, born December 24, 1879. 2. *Friedrich Franz*, born April 9, 1882. 3. *Cecile*, born September 20, 1886.

*Brothers and Sisters of the Grand-duke.*—I. *Paul Friedrich*, born September 19, 1852; married May 5, 1881, to the Duchess Maria of Windisch-Grätz. Offspring: 1. Paul Friedrich, born May 12, 1882. 2. Marie Antoinette, born May 28, 1884. 3. Heinrich Borwin, born December 16, 1885. Duke Paul in 1884 renounced all hereditary rights to the Grand-duchy for himself and his descendants; he himself became a Roman Catholic. II. *Marie*, born May 14, 1854; married August 28, 1874, to Grand-duke Vladimir, second son of Alexander II., Emperor of Russia. III. *Johann Albrecht*, born December 8, 1857; married, November 6, 1886, to Duchess Elizabeth, daughter of the Grand-duke of Saxe-Weimar-Eisenach. IV. *Elisabeth*, born August 10, 1869. V. *Friedrich Wilhelm*, born April 5, 1871. VI. *Adolf Friedrich*, born October 10, 1873. VII. *Heinrich*, born April 19, 1876.

The Grand-ducal house of Mecklenburg is the only reigning family in Western Europe of Slavonic origin, and claims to be the oldest sovereign house in the Western world. In their full title, the Grand-dukes style themselves Princes of the Wends. The genealogical table of the reigning Grand-dukes begins with Niklot, who died 1160, and comprises 25 generations. The title of Grand-duke was assumed in 1815.

### Constitution.

The political institutions of the Grand-duchy are of an entirely feudal character. The fundamental laws are embodied in the 'Union' of 1523, the 'Reversales' of 1572 and 1621, and the charters of 1755 and Nov. 28, 1817. Part of the legislative power (only in the Domain has the Grand-duke the whole legislative power) is in the hands of the Diet—'Landtag.' There is only one Diet for both Grand-duchies, and it assembles every year for a few weeks; when it is not in actual session it is represented by a committee of nine members—'Engerer Ausschuss.' Seats and votes in the Diet belong to the Ritterschaft—that is, the proprietors of Rittergüter, or Knights' Estates—and to the Landschaft, consisting of the burgomasters of the 48 towns. The Ritterschaft has nearly 800 members, but only a few of them take seats in the Diet. The Domain has not a representation of its own. The only elected representatives of the people are the 6 deputies returned to the German Reichstag.

The executive is represented by a ministry divided into four departments, appointed by, and responsible to, the Grand-duke alone.

### Area and Population.

Mecklenburg-Schwerin is situated on the north-east coast of the Empire. The total area is 5,135 English square miles. There is no other administrative division than that springing from the ownership of the soil, in which respect the country is divided as follows, with population in 1890 :—Grand-ducal Domains, 191,195; Knights' Estates (Rittergüter), 119,194; Convent Estates (Klostergüter), 8,442; Town Estates, 259,511. Total, 578,342. Average density, 112·6 per square mile. Though the average density is low, and the soil very fertile, there was a gradual decrease of population up to 1875, and again in 1880–85, though between 1875 and 1880 there was a large increase. Population : 1867, 560,628; 1871, 557,707; 1875, 553,785; 1880, 577,055; 1885, 575,152; 1890, 578,342. Of the total population in 1890, 42·7 per cent. lived in towns of 2,000 inhabitants or upwards, 57·3 per cent. in rural communes; 78,052 lived in medium towns, 73,352 in small towns, and 94,270 in country towns. The rural population was thus 332,668. The chief towns are Rostock (44,409 inhabitants), Schwerin (33,643 inhabitants), the capital, Wismar (16,787 inhabitants), and Güstrow (14,568 inhabitants). In 1890 the population included 285,092 males and 293,250 females, i.e. 102·9 females per 100 males.

More than one-half of the people are engaged in agriculture and cattle rearing, as is shown in the table on p. 536. In 1890 there were 2,628 foreigners in Mecklenburg-Schwerin. Marriages, 1892, 4,525; total births, 17,405; stillborn, 611 (3·5 per cent.); illegitimate, 2,117 (12·7 per cent.); total deaths, 12,001; surplus of births, 5,404.

The numbers of emigrants, viâ German and Dutch ports and Antwerp, for eight years were as follows :—

1886	1887	1888	1889	1890	1891	1892	1893
1,238	1,419	1,144	1,226	1,133	1,536	1,329	1,046

### Religion and Instruction.

Nearly all the inhabitants are Protestants. In 1890 there were: Roman Catholics, 5,034; Jews, 2,182; other Christians, 905. The State Church is Protestant. There are 478 Protestant churches and 346 clergymen. The parishes are generally well endowed with landed property.

There are about 1,315 elementary schools in the Grand-duchy; Gymnasia, 7 with 1,782 pupils; Realschulen, 9 with 1,838 pupils; normal schools, 2 with 204 pupils; navigation schools, 2; agricultural schools, 2; architectural school, 1. There are besides several middle and special schools. There is a university at Rostock (see *German Empire*).

### Justice, Crime, and Pauperism.

The Grand-duchy contains 43 Amtsgerichte, 3 Landgerichte, and 1 Oberlandesgericht at Rostock, which is also the supreme court for Mecklenburg-Strelitz. There are also certain special military and ecclesiastical tribunals. In 1889, 3,229 criminals were convicted, i.e. 76·2 per 10,000 inhabitants over 12 years of age. On October 31, 1890, 374 persons were in prison—304 men, 55 women, and 15 children.

The Grand-duchy is divided into about 1,700 poor-law districts. In 1885, 14,475 heads of families, or solitary paupers, with 8,735 dependents, were relieved at a total cost of 1,308,488 marks. A poor-rate, averaging about 1 per cent. on incomes, may be levied by the poor law districts.

### Finance.

There exists no general budget for the Grand-duchy. There are three systems of finance, entirely distinct. 1. That of the Grand-duke, estimated for 1894-95 at 17,390,000 marks. 2. The financial administration of the States, the resources of which are very small. 3. The common budget of the Grand-duke and States, the receipts and expenditure of which balance at 4,151,000 marks (for 1894-95). On July 1, 1894, the public debt was estimated at 108,700,000 marks. The interest of the railway debt (10,653,800 marks), and of the consolidated loan of 1886, amounting to 12,000,000 marks, is covered by the annuity of 960,000 marks paid by the State railways, and the remaining debt is more than covered by the State funds.

### Production.

Of the total surface of Mecklenburg-Schwerin, arable and garden-land occupy 755,901 hectares; pasturage, 71,883; woods, 232,479; heath and waste land, 37,685; meadows, 113,946; roads and rivers, 96,114; uncultivated land, 8,152. On June 5, 1882, the number of agricultural tenements, each cultivated by one household, was as follows:—

Under 1 Hectare	1-10 Hectares	10-100 Hectares	Over 100 Hectares	Total
62,409	20,919	8,459	1,310	93,097

These farms had an aggregate area of 1,059,043 hectares, and supported 293,348 persons, of whom 116,135 were actively engaged upon them.

The areas in hectares under the principal crops were as follows in 1893:—Wheat, 43,994; rye, 170,306; barley, 18,994; oats, 114,024; potatoes, 48,202; hay, 91,792. In 1893 the yield was (in quintals):—wheat, 2,129,206; rye, 5,191,495; barley, 584,972; oats, 2,534,558; potatoes, 11,375,925; hay, 6,157,466.

In 1894 the railways<sup>e</sup> measured 630 miles

*Consul-General.*—Hon. C. S. Dundas (Hamburg).

## MECKLENBURG-STRELITZ.

(GROSSHERZOGTHUM MECKLENBURG-STRELITZ.)

### Reigning Grand-duke.

**Friedrich Wilhelm I.**, born October 17, 1819; the son of Grand-duke Georg and of Princess Marie of Hesse-Cassel; succeeded to the throne at the death of his father, September 6, 1860; married June 28, 1843, to *Augusta*, born July 19, 1822, the daughter of the late Duke Adolphus of Cambridge. Offspring: *Adolf Friedrich*, born July 22, 1848; married April 17, 1877, to Princess Elizabeth of Anhalt, born September 7, 1857, of which union there is offspring: Mary Augusta, born May 8, 1878; Jutta, born January 24, 1880; Adolf Friedrich, born June 17, 1882; and Carl Barwin, born October 10, 1888.

The reigning house of Mecklenburg-Strelitz was founded, in 1701, by Duke Adolf Friedrich, youngest son of Duke Adolf Friedrich I. of Mecklenburg. There being no law of primogeniture at the time, the Diet was unable to prevent the division of the country, which was protested against by subsequent Dukes of Mecklenburg-Schwerin. The Grand-duke is, however, one of the wealthiest of German sovereigns, more than one-half of the country being his private property.

### Constitution and Finance.

Mecklenburg-Strelitz has, in common with Mecklenburg-Schwerin, a Diet consisting of landowners and town magistrates. The country is divided into two provinces: Stargard, which alone participates in the Constitution, and Ratzeburg, whose special Constitution, framed in 1869, has never been put in force. Of the 48 burgomasters and nearly 800 members of the *Ritterschaft* (see *Mecklenburg-Schwerin*), 7 burgomasters and over 60 proprietors of Rittergüter belong to Mecklenburg-Strelitz.

The executive is entirely in the hands of the Grand-duke, and is exercised by him through his Government, at the head of which is a 'Minister of State.' Accounts of public income and expenditure are never made known, and the whole State revenue forms the civil list of the Grand-duke; the debt is estimated at 6,000,000 marks.

### Area, Population, &c.

The area of the country is 2,929 square kilometres, or 1,131 English square miles, the ownership of which territory is divided between the sovereign, the feudal proprietors, and the corporations of certain towns, in the following manner:—527 square miles belong to the Grand-duke; 353 to the titled and untitled nobles; and 117 to the town corporations.

The population in 1875 was 95,673; in 1880, 100,269; in 1885, 98,371; on December 1, 1890, it was 97,978; it was decreasing steadily, through emigration, previous to 1875, although there is a less density than in any other State of the German Empire, less than 100 inhabitants living on the square mile. During the census period, 1871-75, the decrease of population

was at the rate of 0·35 per cent. per annum. During 1875–80 there was an increase at the rate of 0·94 per cent. per annum, and in 1880–85 a decrease of 0·39 per cent. per annum. Of the total population in 1890, 47,971 were males, and 50,007 were females, or 103·9 females per 100 males. Marriages, 1893, 681; births, 3,176; deaths, 2,227; surplus of births, 949. Among the births were 115 (3·62 per cent.) still-born, and 396 (12·46 per cent.) illegitimate children.

The emigration statistics for eight years are as follows :—

1885	1886	1887	1888	1889	1890	1891	1892
391	149	155	241	262	198	333	175

With the exception of 654 Catholics and 489 Jews (1890), the people are Protestants. The capital, Neu Strelitz, had 9,481 inhabitants in 1890.

Fully one-half of the population are engaged in agriculture, cattle-rearing, &c., and only 38·4 per cent. live in towns with 2,000 inhabitants or upwards. In 1882 the agricultural tenements were divided as follows :—

Under 1 Hectare	1-10 Hectares	10-100 Hectares	Over 100 Hectares	Total
13,576	2,519	1,411	215	17,721

These farms supported 49,244 persons, of whom 19,142 were actively engaged upon them.

Mecklenburg-Strelitz has 136 English miles of railway.

*British Minister Plenipotentiary.*—Right Hon. Sir Edward Malet, G.C.B., G.C.M.G.

*Consul-General.*—Hon. C. S. Dundas (Hamburg).

## OLDENBURG.

(GROSSHERZOGTHUM OLDENBURG.)

### Reigning Grand-duke.

**Peter I.**, Grand-duke of Oldenburg, born July 8, 1827; the son of Grand-duke August and of Princess Ida of Anhalt-Bernburg; succeeded to the throne at the death of his father, February 27, 1853; married, February 10, 1852, to *Elisabeth*, born March 26, 1826, daughter of Prince Joseph of Saxe-Altenburg. Offspring: I. Prince *August*, heir-apparent, born November 16, 1852; married, February 18, 1878, to Princess Elizabeth, born February 8, 1857, second daughter of Prince Friedrich Karl of Prussia; issue a daughter, *Sophia*, born February 2, 1879. II. Prince *Georg*, born June 27, 1855.

The ancient house of Oldenburg, which has given sovereigns to Denmark, Scandinavia, and Russia, is said to be descended from Wittekind, the celebrated leader of the heathen Saxons against Charlemagne. In the fifteenth century a scion of the House of Oldenburg, Count Christian VIII., was elected King of Denmark, Sweden, and Norway. The main line became extinct with Count Anton Günther, in 1667, whereupon the territory of the family fell to the King of Denmark, who made it over to Grand-duke Paul of Russia, in 1773, in exchange for pretended claims upon Schleswig-Holstein. The Grand-duke then (1773) gave Oldenburg to his cousin, Prince Friedrich August of

Holstein-Gottorp, with whose descendants it remained till December 1810, when Napoleon incorporated it with the Kingdom of Westphalia. But the Congress of Vienna not only gave the country back to its former sovereign, but, at the urgent demand of Czar Alexander I., added to it a territory of nearly 400 square miles, with 50,000 inhabitants, bestowing at the same time upon the Prince the title of Grand-duke. Part of the new territory consisted of the Principality of Birkenfeld, on the left bank of the Rhine, close to the French frontier, and some three hundred miles distant from Oldenburg. The other part consists of the Principality of Lübeck. The Grand-duke has a civil list of 255,000 marks, or 12,750*l.* He draws also a revenue of 8,000*l.* from private estates of the family in Holstein, besides about 7,500*l.* in interest.

### Constitution and Revenue.

A Constitution was given to the Grand-duchy on February 18, 1849, revised by a decree of November 22, 1852. The legislative power is exercised by a Landtag, or Diet, elected for three years, by the vote of all citizens paying taxes and not condemned for felony by a court of justice. The mode of election is indirect. One delegate (*Wahlmann*) for every 500 inhabitants is chosen by the first electors; and these delegates, grouped in nine districts, elect 33 deputies, or one for every 10,000 inhabitants. The executive is vested, under the Grand-duke, in a responsible ministry of three departments. The Principalities of Lübeck and Birkenfeld have also provincial councils (*Provinzialräthe*), of 15 and 14 members respectively, summoned twice a year by the provincial government.

The budgets are voted for three years at a time, and are divided into the budget of the Grand-duchy and the budgets of the Duchy of Oldenburg and the Principalities of Lübeck and Birkenfeld. The estimated revenue of the Duchy and Principalities is:—1894, 13,863,471 marks; 1895, 9,174,971 marks; 1896, 9,210,571 marks. The estimated expenditure:—1894, 10,526,316 marks; 1895, 10,369,137 marks; 1896, 10,445,551 marks. The debt of the Grand-duchy amounted, at the beginning of 1893, to 42,553,106 marks.

### Area and Population.

Oldenburg embraces an area of 2,479 English square miles. The population of the chief divisions was in 1890:—Duchy of Oldenburg, 279,008; Principality of Lübeck, 34,718; Principality of Birkenfeld, 41,242. Total, 354,968 (males, 175,967; females, 179,001, i.e. 102 per 100 males).

The growth of the population since 1867, when the Duchy attained its present limits, is as follows:—1867, 315,995; 1871, 312,728; 1875, 319,314; 1880, 337,478; 1885, 341,525; 1890, 354,968.

In 1890 only 23·4 per cent. of the population lived in towns with 2,000 inhabitants or upwards. Oldenburg, the capital, had 23,118 inhabitants in 1890.

In 1892 there were 2,956 marriages, 12,150 births, 7,559 deaths; surplus of births, 4,492. Of the births 436 (3·6 per cent.) were still-born, and 626 (5·2 per cent.) illegitimate. The emigration statistics for eight years are as follows:—

1886	1887	1888	1889	1890	1891	1892	1893
990	1,040	1,038	1,223	1,001	1,142	1,296	1,123



### Religion, Instruction, and Justice.

In 1890 Oldenburg contained 274,410 Protestants (77·3 per cent.), 77,766 Roman Catholics (21·9), 1,208 other Christians (0·4), 1,552 Jews (0·4), and 32 (0·1) unclassified. The State Church (Protestant) is under the Ministry for Ecclesiastical Affairs.

The following table shows the higher schools of Oldenburg in 1893 :—

	No.	No. of Teachers	No. of Pupils
Gymnasia . . . . .	5	73	853
Realschulen . . . . .	2	37	708
Höhere Bürgerschulen . . . . .	5	22	534
Höhere Töchterschulen . . . . .	3	26	437
Seminare { Protestant . . . . .	1	10	110
{ Catholic . . . . .	1	4	48
Bürger and agricultural school . . . . .	1	13	166

In addition to these are a middle 'Stadtschule' for boys, with 17 teachers and 638 pupils ; two Stadtschulen for girls, with 24 teachers and 591 pupils ; and a school of navigation, with 6 teachers and 62 pupils.

Oldenburg contains an Oberlandesgericht and a Landgericht. The Amtsgerichte of Lübeck and Birkenfeld are under the jurisdiction of the Landgerichte at Lübeck and Saarbrücken respectively. In 1892, 2,246 persons, or 90·6 per 10,000 inhabitants above the age of twelve, were convicted of crime. In 1885, 7,471 persons, with 5,282 dependents (in all 3·73 of the population), received public poor-relief.

### Production.

Of the total area, 552,880 hectares are cultivated ; about half the population are engaged in agriculture and cattle-rearing, &c. In June 1882, the number of agricultural tenements, each cultivated by one household, was as follows :—

Under 1 Hectare	1-10 Hectares	10-100 Hectares	Over 100 Hectares	Total
23,529	26,657	7,773	67	50,262

These farms supported 174,562 persons, of whom 71,879 were actively engaged upon them.

Oldenburg had 283 miles of railway on January 1, 1894, which are all under the direction of the State.

*British Minister Plenipotentiary.*—Right Hon. Sir Edward Malet, G.C.B., G.C.M.G.

*Consul-General.*—Hon. C. S. Dundas (Hamburg).

### References.

- Zeitschrift für Verwaltung und Rechtspflegen (three times a year).  
 Stati-tische Nachrichten über das Grossherzogthum Oldenburg (published by the Bureau of Statistics.)  
 Kollmann (P.), Das Herzogthum Oldenburg in Seiner wirthschaftlichen Entwicklung. S. Oldenburg, 1893.

## PRUSSIA.

(KÖNIGREICH PREUSSEN.)

## Reigning King.

**Wilhelm II.**, born Jan. 27, 1859, eldest son of Friedrich III., German Emperor and King of Prussia—who was eldest son of Wilhelm I., and was born Oct. 18, 1831, married, Jan. 25, 1858, to Victoria (Empress and Queen Friedrich), Princess Royal of Great Britain, succeeded his father March 9, 1888, and died June 15, 1888, when he was succeeded by his son, Prince Friedrich Wilhelm, under the title of Wilhelm II. The Emperor married, Feb. 27, 1881, Princess Victoria of Schleswig-Holstein-Sonderburg-Augustenburg, born Oct. 22, 1858, daughter of the late Duke Friedrich of Schleswig-Holstein-Sonderburg-Augustenburg.

*Children of the King.*

1. Prince *Friedrich Wilhelm*, born May 6, 1882, Crown Prince of the German Empire and of Prussia; 2. Prince *Wilhelm Eitel-Friedrich*, born July 7, 1883; 3. Prince *Adalbert*, born July 14, 1884; 4. Prince *August Wilhelm*, born Jan. 29, 1887; 5. Prince *Oscar*, born July 27, 1888; 6. Prince *Joachim*, born Dec. 17, 1890; 7. Princess *Viktoria Luise*, born Sept. 13, 1892.

*Brother and Sisters of the King.*

1. Princess *Charlotte*, born July 24, 1860; married, Feb. 18, 1878, to Prince Bernhard, eldest son of Duke George II. of Saxe-Meiningen. 2. Prince *Heinrich*, born Aug. 14, 1862; married, May 24, 1888, to Princess Irene, daughter of the late Grand-duke Ludwig IV. of Hesse; offspring of the union is a son, Waldemar, born March 20, 1889. 3. Princess *Victoria*, born April 12, 1866; married, Nov. 19, 1890, to Prince Adolf of Schaumburg-Lippe. 4. Princess *Sophie*, born June 14, 1870; married, Oct. 27, 1889, to Crown-Prince Konstantin of Greece, Duke of Sparta. 5. Princess *Margarethe*, born April 22, 1872, married, Jan. 25, 1893, to Prince Friedrich Karl Ludwig of Hesse.

*Aunt of the King.*

Princess *Luise*, born Dec. 3, 1838; married, Sept. 20, 1856, to Grand-duke Friedrich of Baden.

The Kings of Prussia trace their origin to Count Thassilo, of Zollern, one of the generals of Charlemagne. His successor, Count Friedrich I., built the family castle of Hohenzollern, near the Danube, in the year 980. A subsequent Zollern, or Hohen-

zollern, Friedrich III., was elevated to the rank of a Prince of the Holy Roman Empire in 1273, and received the Burggraviate of Nuremberg in fief; and his great-grandson, Friedrich VI., was invested by Kaiser Sigmund, in 1415, with the province of Brandenburg, and obtained the rank of Elector in 1417. A century after, in 1511, the Teutonic Knights, owners of the large province of Prussia, on the Baltic, elected Margrave Albrecht, a younger son of the family of Hohenzollern, to the post of Grand-Master, and he, after a while, declared himself hereditary prince. The early extinction of the male line of Albrecht brought the province of Prussia by marriage to the Electors of Brandenburg, who, by early adopting Protestantism, acquired a very important position as leaders of the new faith in Northern Germany. In the seventeenth century, the Hohenzollern territories became greatly enlarged by Friedrich Wilhelm, 'the Great Elector,' under whose fostering care arose the first standing army in Central Europe. The Great Elector, after a reign extending from 1640 to 1688, left a country of one and a half million inhabitants, a vast treasure, and 38,000 well-drilled troops to his son, Friedrich I., who put the kingly crown on his head at Königsberg on January 18, 1701. The first King of Prussia made few efforts to increase the territory left him by the Great Elector; but his successor, Friedrich Wilhelm I., acquired a treasure of nine millions of thalers, or nearly a million and a half sterling, bought family domains to the amount of five million thalers, and raised the annual income of the country to six millions, three-fourths of which sum, however, had to be spent on the army. After adding part of Pomerania to the possessions of the house, he left his son and successor, Friedrich II., called 'the Great,' a State of 47,770 square miles, with two and a half million inhabitants. Friedrich II. added Silesia, an area of 14,200 square miles, with one and a quarter million of souls; and this, and the large territory gained in the first partition of Poland, increased Prussia to 74,340 square miles, with more than five and a half millions of inhabitants. Under the reign of Friedrich's successor, Friedrich Wilhelm II., the State was enlarged by the acquisition of the principalities of Anspach and Baireuth, as well as the vast territory acquired in another partition of Poland, which raised its area to the extent of nearly 100,000 square miles, with about nine millions of souls. Under Friedrich Wilhelm III., nearly one-half of this State and population was taken by Napoleon; but the Congress of Vienna not only restored the loss, but added part of the Kingdom of Saxony, the Rhineland, and Swedish Pomerania, moulding Prussia into two separate pieces of territory, of a total area of

106,820 square miles. This was shaped into a compact State of 134,463 square miles, with a population of 22,769,436, by the war of 1866.

Up to within a recent period, the Kings of Prussia enjoyed the whole income of the State domains, amounting to about a million sterling per annum. By a decree of Jan. 17, 1820, King Friedrich Wilhelm III. fixed the Kron-dotations at the total sum of 2,573,098 $\frac{2}{3}$  thalers, which was sanctioned on Jan. 31, 1850, by Art. 59 of the Constitution; remaining, as before, dependent on the revenue derived from domains and forests. The amount of the civil list was fixed by Art. 59 of the Constitution of Jan. 31, 1850; but by law of April 30, 1859, it was raised 500,000 thalers, by law of Jan. 27, 1868, 1,000,000 thalers, and by law of Feb. 20, 1889, a further 3,500,000 marks. At present the total 'Kron-dotations Rente,' as far as it figures in the budgets, amounts to 15,719,296 marks, or 770,554*l.* The reigning house is also in possession of a vast amount of private property, comprising castles, forests, and great landed estates in various parts of the kingdom, known as 'Fideikommiss- und-Schatullgüter,' the revenue from which mainly serves to defray the expenditure of the court and the members of the royal family.

The Royal Fideikommiss was last regulated by Cabinet Order of Aug. 30, 1843. Besides this the Royal Crown treasure, founded by King Friedrich Wilhelm III., consists of a capital of 6 millions, which has since considerably increased, and also the family Fideikommiss, likewise founded by King Friedrich Wilhelm III., for the benefit of princes born afterwards. It comprises the domains of Flatow, Krojanke, and Frauendorf, as well as the Fideikommiss founded by the late Prince Karl (Glienicke). Finally, the Royal House is also entitled to the House Fideikommiss of the Hohenzollern princes.

Dating from King Friedrich I. of Prussia (Elector Friedrich III. of Brandenburg), there have been the following

#### SOVEREIGNS OF THE HOUSE OF HOHENZOLLERN.

Friedrich I. . . . .	1701	Friedrich Wilhelm III. . . . .	1797
Friedrich Wilhelm I. . . . .	1713	Friedrich Wilhelm IV. . . . .	1840
Friedrich II., called 'the Great' . . . . .	1740	Wilhelm I. . . . .	1861
Friedrich Wilhelm II. . . . .	1786	Friedrich III. (Mar. 9–June 15)	1888
		Wilhelm II. . . . .	1888

### Constitution and Government.

The present Constitution of Prussia was drawn up by the Government of King Friedrich Wilhelm IV., with the co-operation of a Constituent Assembly, sitting August–December 1849, and was proclaimed Jan. 31, 1850; but subsequently modified by royal decrees of April 30, 1851; May 21 and June 5, 1852; May 7 and 24, 1853; June 10, 1854; May 30, 1855; April 14 and 30, 1856; May 18, 1857; May 17, 1867; March 27, 1872; April 5, 1873; June 18, 1875; Feb. 19, 1879; and May 27, 1888. These fundamental laws vest the executive and part of the legislative authority in a king, who attains his majority upon

accomplishing his eighteenth year. The crown is hereditary in the male line, according to primogeniture. In the exercise of the government, the king is assisted by a council of ministers, appointed by royal decree. The legislative authority the king shares with a representative assembly, the Landtag, composed of two Chambers, the first called the 'Herrenhaus,' or House of Lords, and the second the 'Abgeordnetenhaus,' or Chamber of Deputies. The assent of the king and both Chambers is requisite for all laws. Financial projects and estimates must first be submitted to the second Chamber, and be either accepted or rejected *en bloc* by the Upper House. The right of proposing laws is vested in the Government and in each of the Chambers.

The first Chamber, according to the original draft of the Constitution, was to consist of adult princes of the royal family, and of the heads of Prussian houses deriving directly from the former Empire, as well as of those heads of families that, by royal ordinance, should be appointed to seats and votes in the Chamber, according to the rights of primogeniture and lineal descent. Besides these hereditary members, there were to be ninety deputies directly elected by electoral districts, consisting of a number of electors who pay the highest taxes to the State; and, in addition, other thirty members elected by the members of the municipal councils of large towns. This original composition of the 'House of Lords' was greatly modified by the royal decree of Oct. 12, 1854, which brought into life the Upper Chamber in its present form. It is composed of, first, the princes of the royal family who are of age, including the scions of the formerly sovereign families of Hohenzollern-Hechingen and Hohenzollern-Sigmaringen; secondly, the chiefs of the mediatised princely houses, recognised by the Congress of Vienna, to the number of sixteen in Prussia; thirdly, the heads of the territorial nobility formed by the king, and numbering some fifty members; fourthly, a number of life-peers, chosen by the king from among the rich landowners, great manufacturers, and 'national celebrities'; fifthly, eight titled noblemen elected in the eight provinces of Prussia by the resident landowners of all degrees; sixthly, the representatives of the universities, the heads of 'chapters,' and the burgomasters of towns with above fifty thousand inhabitants; and seventhly, an unlimited number of members nominated by the king for life, or for a more or less restricted period.

The second Chamber consists of 433 members—352 for the old kingdom, 80 added in 1867 to represent the newly-annexed provinces, and 1 in 1876 for Lauenburg; the proportion to the population is now (1890) 1 to every 69,181. Every Prussian who has attained his twenty-fifth year, and is qualified to vote for the municipal elections of his place of domicile, is eligible to vote as indirect elector. Persons who are entitled to vote for municipal elections in several parishes can only exercise the right of indirect elector, or 'Urwähler,' in one. One direct elector, or 'Wahlmann,' is elected from every complete number of 250 souls. The indirect electors are divided into three classes, according to the respective amount of direct taxes paid by each; arranged in such manner that each category pays one-third of the whole amount of direct taxes levied on the whole. The first category consist of all electors who pay the highest taxes to the amount of one-third of the whole; the second, of those who pay the next highest amount down to the limits of the second third; the third of all the lowest taxed, who, together, complete

the last class. Each class may be divided into several electoral circles, none of which must, however, exceed 500 'Urwähler.' Direct electors may be nominated in each division of the circle from the number of persons entitled to vote indirectly, without regard to special divisions. The representatives are chosen by the direct electors. The legislative period of the second Chamber is limited to five years. Every Prussian is eligible to be a member of the second Chamber who has completed his thirtieth year, who has not forfeited the enjoyment of full civic rights through a judicial sentence, and who has paid taxes during three years to the State. The Chamber must be re-elected within six months of the expiration of their legislative period, or after being dissolved. In either case former members are re-eligible. The Chambers are to be regularly convoked by the king during the month of November; and in extraordinary session, as often as circumstances may require. The opening and closing of the Chambers must take place by the king in person, or by a minister appointed by him. Both Chambers are to be convoked, opened, adjourned, and prorogued simultaneously. Each Chamber has to prove the qualification of its members, and to decide thereon. Both Chambers regulate their order of business and discipline, and elect their own presidents, vice-presidents, and secretaries. Functionaries do not require leave of absence to sit in the Chamber. When a member accepts paid functions, or a higher office connected with increased salary, he vacates his seat and vote in the Chamber, and can only recover the same by a new election. No one can be member of both Chambers. The sittings of both Chambers are public. Each Chamber, at the proposition of the president or of ten members, may proceed to secret deliberation. Neither Chamber can adopt a resolution when the legal majority of its members is not present. Each Chamber has a right to present addresses to the king. No one can deliver a petition or address to the Chambers, or to either of them, in person. Each Chamber can refer documents addressed to it to the ministers, and demand explanations relative to complaints contained therein. Each Chamber has the right to appoint commissions of investigation of facts for its own information. The members of both Chambers are held to be representatives of the whole population. They vote according to their free conviction, and are not bound by prescriptions or instructions. They cannot be called to account, either for their votes or for opinions uttered by them in the Chambers. No member of the Chambers can, without its assent, be submitted to examination or arrest for any proceeding entailing penalties, unless seized in the act, or within twenty-four hours of the same. All criminal proceedings against members of the Chambers, and all examination or civil arrest, must be suspended during the session, should the Chamber whom it may concern so demand. Members of the second Chamber receive and must accept travelling expenses and diet money from the State, according to a scale fixed by law, amounting to 15 marks, or 15 shillings, per day.

The executive government is carried on by a *Staatsministerium*, or Ministry of State, the members of which are appointed by the king, and held office at his pleasure. The *Staatsministerium* is divided into ten departments, as follows:—

1. *President of the Council of Ministers, Minister of State, and Minister of Foreign Affairs*—Prince *Hohenthohe-Schillingsfürst*; appointed October, 1894.

2. *Vice-President of the Council of Ministers, Minister of State, and Im-*

*perial Secretary of State for the Interior.*—Dr. Karl Heinrich von *Boetticher*, born January 6, 1833.

3. *Minister for Interior.*—Herr von *Köller*; appointed October, 1894.

4. *Minister of War.*—General Bronsart von *Schellendorf*; born December 21, 1833; appointed October, 1893.

5. *Minister of Public Works.*—Herr *Thielen*, born 1831; appointed June 22, 1891.

6. *Minister of Agriculture, Domains, and Forests.*—Freiherr von *Hammerstein-Loxten*; appointed October, 1894.

7. *Minister of Justice.*—Dr. *Schönstedt*; appointed October, 1894.

8. *Minister of Ecclesiastical Affairs, Instruction, and Medicinal Affairs.*—Dr. Julius Robert *Bosse*, born July 12, 1832; appointed March 24, 1892.

9. *Minister of Finance.*—Dr. Johannes *Miquel*, born February 21, 1829; appointed June 8, 1890.

10. *Minister of Commerce.*—Freiherr von *Berlepsch*, born March 30, 1843; appointed January 31, 1890.

The salary of the President of the Council is 54,000 marks, and that of each of the other ministers 36,000 marks.

### LOCAL GOVERNMENT.

Each of the provinces of the Kingdom is placed under the superintendence of an 'Oberpräsident,' or governor, who has a salary of 21,000 marks. Each province has also a military commandant, a superior court of justice, a director of taxes, and a consistory, all appointed by the king. The provinces are subdivided into *Regierungsbezirke*, or counties, and these again into 'Kreise' or circles, and the latter into *Amtsbezirke* or *Bürgermeistereien*, these again into *Gemeinden* or *Gutsbezirke*. Each county has a president and an administrative board or council; and the further subdivisions have also their local authorities. The principal functionaries are all elective; but the elections must be confirmed by the Government.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

The following table exhibits the area and population of the whole and of each of the 14 provinces:—

Provinces	Area : Eng. Sq. Miles	Population		Pop. per Square Mile, 1890
		1885	1890	
East Prussia (Ostpreussen) .	14,281	1,959,475	1,958,663	137·2
West Prussia (Westpreussen)	9,852	1,408,229	1,433,681	145·5
Berlin . . . . .	25	1,315,287	1,578,794	64,440·6
Brandenburg . . . . .	15,381	2,342,411	2,541,783	165·3
Pomerania (Pommern). . . . .	11,627	1,505,575	1,520,889	130·8
Posen . . . . .	11,183	1,715,618	1,751,642	156·6
Silesia (Schlesien) . . . . .	15,563	4,112,219	4,224,458	271·4
Saxony (Sachsen). . . . .	9,747	2,428,367	2,580,010	264·7
Schleswig-Holstein . . . . .	7,299	1,150,306	1,217,437	166·8
Heligoland <sup>1</sup> . . . . .	(0,23)	—	(2,086)	—
Hanover (Hannover) . . . . .	14,855	2,172,702	2,278,361	153·4
Westphalia (Westfalen) . . . . .	7,802	2,204,580	2,428,661	311·3
Hesse-Nassau . . . . .	6,059	1,592,454	1,664,426	274·7
Rhine (Rheinland) . . . . .	10,422	4,344,527	4,710,391	452·0
Hohenzollern . . . . .	441	66,720	66,085	149·9
Total . . . . .	134,537	28,318,470	29,955,281	222·7

<sup>1</sup> Heligoland has been attached to Schleswig-Holstein since 1891.

At the close of the reign of Friedrich I., first King of Prussia, the Kingdom had an area of about 43,400 square miles, and a population of 1,731,000. The following table illustrates the development of Prussia since the beginning of the present century. The figures for 1797 are estimated merely.

Year	Area in Sq. Miles	Population	Average per Sq. Mile	Percentage of Annual Increase
1797	118,030	8,700,000	73·7	—
1816	106,614	10,349,031	97·1	1·0
1831	106,614	13,038,960	122·3	1·7
1858	108,514	17,739,913	163·5	1·3
1861	108,514	18,491,220	170·4	1·4
1867	134,046	23,971,337	178·8	1·06
1871	134,046	24,643,623	183·8	0·70
1875	134,179	25,742,464	191·8	1·06
1880	134,468	27,279,111	202·9	1·19
1885	134,505	28,318,470	210·5	0·76
1890	134,537	29,955,281	222·6	1·15



Of the total population in 1890, 48·5 per cent. lived in towns and rural communes of 2,000 inhabitants and upwards, and 51·5 per cent. in communes with less than 2,000 inhabitants.

While the town population increased at the rate of 1·74 per cent. per annum between 1880 and 1885, the country population increased at the rate of 0·22 per cent. per annum. The town population in 1890 was 11,786,061, showing a rate of increase of 2·33 per cent. per annum since 1885, while the rate of increase in the country districts was only 0·46 per cent. per annum.

The urban and rural population were distributed as follows at the census periods, 1880, 1885 and 1890 :—

Census	No. of Towns	Nos. Rural Communes	Towns and Communes, with 2,000 Inhabitants and upwards			Communes, &c., with less than 2,000 Inhabitants		
			No.	Pop.	Per Ct.	No.	Pop.	Per Ct.
1880	1,287	54,784 <sup>1</sup>	1,615	11,614,385	42·6	53,169	15,664,726	57·4
1885	1,280	55,002 <sup>2</sup>	1,648	12,754,674	45·0	53,722	15,563,796	55·0
1890	1,263	53,640 <sup>3</sup>	1,726	14,529,598	48·5	53,177	15,425,683	51·5

<sup>1</sup> Including 15,829 separate 'Gutsbezirke.'

<sup>2</sup> Including 16,403 separate 'Gutsbezirke.'

<sup>3</sup> Including 16,559 separate 'Gutsbezirke.'

The urban population was thus distributed in 1890 :—

—	No.	Pop. 1890	—	No.	Pop. 1890
Large towns <sup>1</sup>	16	3,979,886	Small towns	319	3,018,096
Medium ,,	76	2,721,908	Country ,,	507	1,581,742

<sup>1</sup> See p. 538 for the official signification of these terms.

In 1885 the population included 13,893,604 males and 14,424,866 females—i.e. 103·8 females per 100 males; in 1890 there were 14,702,151 males and 15,253,130 females—i.e., 103·7 females per 100 males. With respect to conjugal condition the following was the distribution in 1890 :—

—	Males	Females	Total
Unmarried . . . . .	9,160,469	8,804,992	17,965,461
Married . . . . .	5,075,364	5,097,416	10,172,780
Widowed . . . . .	450,203	1,319,068	1,769,271
Divorced or separated . . . . .	16,115	31,654	47,769

The division of the population according to occupation is shown in the table on p. 536, and some particulars as to race on the same page.

In 1890 the number of foreigners (exclusive of other Germans) resident in Prussia was 164,798, of whom 49,194 were Austrians and Hungarians, 34,392 Dutch, 10,347 Russians, 31,439 Danes, 6,507 Swedes and Norwegians, 7,414 British, 4,932 Belgians, 5,066 Americans (United States), 6,096 Swiss, and 1,708 French.

## II. MOVEMENT OF THE POPULATION.

The following table shows the movement of the population for the five years 1888-92 :—

Year	Marriages	Total Births	Still-born	Illegitimate	Total Deaths	Surplus of Births
1888	233,421	1,133,998	42,780	90,526	708,209	425,789
1889	240,996	1,136,588	42,084	90,413	724,803	411,785
1890	244,657	1,130,120	37,962	87,512	755,105	375,015
1891	245,906	1,177,209	39,046	90,150	728,463	448,746
1892	245,447	1,143,904	37,401	88,287	752,055	391,849

In 1892 3·27 per cent. of the total births were still-born, and 7·72 per cent. illegitimate.

The emigration from Prussia by German ports, Dutch ports, and Antwerp was in 1888, 63,103 ; in 1889, 57,957 ; in 1890, 59,702 ; in 1891, 78,141 ; in 1892, 76,196, and in 1893, 53,471. The following table, indicating the emigrants from each province in 1893, shows that the northern provinces contribute most largely :—

Posen . . . . .	7,665	Hesse-Nassau . . . . .	2,813
West Prussia . . . . .	6,655	Silesia . . . . .	3,769
Brandenburg ( (with Berlin) )	6,413	Westphalia . . . . .	2,707
Hanover . . . . .	6,060	Saxony . . . . .	2,558
Pomerania . . . . .	5,948	East Prussia . . . . .	1,962
Rhine . . . . .	4,551	Hohenzollern . . . . .	87
Schleswig-Holstein . . . . .	3,283		

## III. PRINCIPAL TOWNS.

The following table gives the population within the present (1890) limits of the 28 principal towns as at the census of December 1, 1890 :—

Towns	Population	Towns	Population
Berlin . . . . .	1,578,794	Aachen . . . . .	103,470
Breslau . . . . .	335,186	Halle-on-Saale . . . . .	101,401
Cologne (Köln) . . . . .	281,681	Dortmund . . . . .	89,663
Magdeburg . . . . .	202,234	Essen . . . . .	78,706
Frankfort-on-Main . . . . .	179,985	Charlottenburg . . . . .	76,859
Hanover . . . . .	163,593	Kassel . . . . .	72,477
Königsberg . . . . .	161,666	Erfurt . . . . .	72,360
Düsseldorf . . . . .	144,642	Posen . . . . .	69,627
Altona . . . . .	143,249	Kiel . . . . .	69,172
Elberfeld . . . . .	125,899	Wiesbaden . . . . .	64,670
Danzig . . . . .	120,338	Görlitz . . . . .	62,135
Stettin . . . . .	116,228	Duisburg . . . . .	59,285
Barmen . . . . .	116,144	Frankfort-on-Oder . . . . .	55,738
Krefeld . . . . .	105,376	Potsdam . . . . .	54,125

### Religion.

Absolute religious liberty is guaranteed by the Constitution. Nearly two-thirds of the population are Protestants, and rather over one-third Roman Catholics. The numbers and proportions of the different creeds at the census of 1885 were as follows:—Protestants, 18,244,405, or 64·4 per cent.; Roman Catholics and Greek (Oriental) Catholics, 9,621,763, or 33·9 per cent.; other Christians, 82,030, or ·29 per cent.; Jews, 366,575, or 1·29 per cent.; others and unknown, 3,697. In 1890 there were 19,230,376 Protestants, 10,252,807 Roman Catholics and Greek (Oriental) Catholics, 95,349 other Christians, 372,058 Jews, and 4,691 others and unknown. Protestants are in a decided majority in the provinces of Schleswig-Holstein, Pomerania, Brandenburg, Saxony, Hanover, Berlin, East Prussia, and Hesse-Nassau (from 97·6 to 69·5 per cent.); Roman Catholics are in the majority in Hohenzollern (95 per cent.), Rhineland (71), Posen (66), Silesia (53), Westphalia (51), and West Prussia (50). Jews are most numerous in Berlin (5·0 per cent.), Hesse-Nassau (2·7), Posen (2·5), West Prussia (1·5), and Silesia (1·1).

The Evangelical or Protestant Church is the State Church, and since 1817 has consisted of a fusion of the Lutheran and Calvinistic bodies, from which, however, there are still a few dissenters. It is governed by 'consistories,' or boards appointed by Government, one for each province. There are also synods in most circles and provinces, and general synods representing the *old* provinces only. The constitution of the Catholic Church differs in the various provinces. In the Upper Rhenish ecclesiastical province it is fixed by a concordat between the Government and Pope Pius VII. In every part of the Monarchy the Crown has reserved to itself a control over the election of bishops and priests. There were in 1880, 9,146 Protestant ministers and 8,300 Roman Catholic priests, besides 300 monks and 4,600 nuns. The higher Catholic clergy are paid by the State, the Prince Bishop of Breslau receiving 34,000 marks a year, and the other bishops about 22,700 marks. The incomes of the parochial clergy mostly arise from endowments. In the budget of 1888–89 the sum of 3,928,883 marks is set down as direct expenditure in Evangelical Churches, and 1,297,306 marks for the Catholic Church.

### Instruction.

Education in Prussia is general and compulsory. Every town, or community in town or country, must maintain a school supported by local rates, supplemented by the State, and administered by the local authorities, who are elected by the citizens, and called aldermen or town councillors. All parents are compelled to have their children properly taught, or to send them to one of these elementary schools, in which all fees are now abolished. No compulsion exists in reference to a higher educational institution than elementary schools, but parents who send more than one child to any school supported by the community have, in many cases, a reduction made in the

charge, and a limited number of pupils whose parents cannot afford to pay the full rate either enjoy this reduction or are admitted entirely free, at the discretion of the authorities.<sup>1</sup> The school age is from 6 to 14 years, and the number of children of that age in 1890 was returned at 5,401,566.

The following table gives the educational statistics of Prussia :—

—	No.	Teaching Staff	Students or Pupils
Universities (1892-93)	11	1,321	12,670
Gymnasia and Progymnasia (1892-93)	316	5,454	89,050
Realgymnasia, Realprogymnasia, and Higher Realschulen (1892-93)	184	2,666	44,958
Realschulen (1892-93)	55	1,015	23,077
Public elementary schools (1891)	34,742	76,107	4,916,476
Private	495	767	21,678
Middle schools (public)	550	4,972	131,270
„ „ (private)	1,134	6,900	80,868
Public normal schools (1892)	122	893	10,836

The number of elementary schools in Prussia in 1822 was 20,440 ; in 1843, 23,646 ; in 1864, 25,056 ; in 1878, 32,613 ; and in 1891, 34,742.

There are also 3 technical high schools, 2 forestry schools, 2 technical mining schools, 2 agricultural high schools, agricultural institutes connected with universities, 2 veterinary high schools, 214 other schools for various aspects of agriculture, besides other special schools and State establishments for art and music.

The Universities, all the high schools, some of the Gymnasia, Realgymnasia, and similar schools, as also all the normal schools, are maintained and administered by the Government, while all the other scholastic institutions are supported by the community, under control of the Government. (For number of professors, teachers, and students at each of the Universities of Prussia, see table on p. 541.)

The whole of the educational establishments in Prussia are under the control of the Minister of Public Instruction and Ecclesiastical Affairs, but there is a local supervision for every province. The administration of each of these, as far as regards the *Regierungs-Bezirke*, is vested in a President, who is the head of the Civil Government (*Regierung*) ; while the management of the higher (secondary) schools and the normal schools belongs to the Provincial Schul-Collegium, under the supervision of the Oberpräsident, who is the head of the Civil Government of the province. The Consistorium, which has no jurisdiction in the school administration, and the Provincial Schul-Collegium are separate provincial authorities, not sections of the same authority. As a general rule, the administration of school funds provided by the State is under the control of the Civil Government, which likewise takes upon itself nearly the whole management of the lower and elementary schools, while the Schul-Collegium is responsible for the higher schools, for the general system of instruction and discipline therein, the proper selection of school books, the examination and appointment of masters, and the examination of those who leave school for the Universities.

<sup>1</sup> The system of secondary education common to Prussia and the rest of Germany is described on p. 539.

According to the Constitution of 1850, all persons are at liberty to teach, or to form establishments for instruction, provided they can prove to the authorities their moral, scientific, and technical qualifications. But private as well as public establishments for education are placed under the superintendence of the Minister of Public Instruction, while all public teachers are considered, directly or indirectly, State servants.

In the budget of 1891–92 the sum of 83,905,473 marks was set down for instruction of all categories. Of this amount 78,628,177 marks are ordinary or permanent expenditure. On the ordinary expenditure there were allotted to Universities, 7,954,775 marks; higher institutions, 6,302,085 marks; elementary instruction, 58,448,637 marks; technical schools of the upper and lower grade, 5,922,680 marks. The total cost of public instruction in Prussia in the year 1891–92 was 232,526,000 marks, as follows:—Universities, 14,117,000; higher institutions, 31,309,000; elementary and middle schools, 177,100,000; technical schools, 10,000,000.

### Justice, Crime, and Pauperism.

Prussia contains 15 Oberlandesgerichte (see *German Empire*, p. 541). The Oberlandesgericht at Berlin is called the *Kammergericht*, and serves as an ultimate appeal court for summary convictions; though for all cases the court of final instance is the Reichsgericht at Leipzig. The prosecution in all criminal cases is conducted by *Staatsanwälte*, or public prosecutors, paid by the State. In 1889 there were 228,038 criminal convictions in Prussia, or 112·8 for every 10,000 inhabitants above the age of twelve. In 1885, 528,257 persons, with 425,035 dependents, received public poor-relief; i.e. 3·36 per cent. of the population were paupers. The following table shows the criminal (1889) and pauper (1885) statistics for the different provinces:—

Provinces	Criminals		Paupers		
	Persons Convicted	Per 10,000 Inhab.	Heads of Families and Solitaries	Dependents	Total per Cent.
East Prussia . . .	24,289	174·0	45,349	33,132	4·00
West Prussia . . .	17,122	176·4	31,373	23,100	3·86
Berlin (City). . .	13,947	131·4	55,083	32,124	6·63
Brandenburg. . .	17,172	102·3	36,536	25,483	2·64
Pomerania . . .	10,909	103·3	28,038	22,305	3·34
Posen . . .	20,303	173·2	27,106	23,910	2·97
Silesia . . .	40,783	137·5	74,406	53,854	3·11
Saxony . . .	17,357	99·7	32,616	25,628	2·39
Schleswig-Holstein	7,504	91·4	25,314	17,634	3·73
Hanover . . .	13,088	84·1	30,507	23,011	2·46
Westphalia . . .	11,157	72·4	31,777	32,565	2·91
Hesse-Nassau . . .	10,047	88·8	25,962	17,770	2·74
Rhineland . . .	24,013	77·9	83,075	93,628	4·06
Hohenzollern . . .	347	72·9	1,115	891	3·00

From these figures it will be seen that there is little or no local connection between the highest or lowest returns of paupers and criminals.

### Finance.

The following table gives the revenue and expenditure during each of the six years ending March 31 from 1889 to 1894;

1889, 1890, and 1891 being the final accounts, 1892 and 1893 being revenue accounts, and 1894 the budget estimates:—

Year	Revenue	Expenditure	Year	Revenue	Expenditure
	Marks	Marks		Marks	Marks
1889	1,741,042,433	1,604,946,401	1892	1,775,172,671	1,815,610,500
1890	1,959,908,747	1,831,772,073	1893	1,815,626,970	1,839,985,635
1891	2,060,708,514	1,929,079,035	1894	1,894,097,460	1,894,097,460

The estimates of public revenue and expenditure submitted by the Government to the Chambers are always prepared to show an even balance, without surplus or deficit. In the budget estimates for the year ending March 31, 1895, the sources of revenue and expenditure were given as follows:—

REVENUE.		EXPENDITURE.	
	Marks		Marks
Ministry of Agriculture, Domains, and Forests:—		A. Working Expenses:—	
Domains and forests . . . . .	84,491,474	Ministry of Agriculture, Domains, and Forests . . . . .	41,198,090
Various . . . . .	1,700,000	„ „ Finance . . . . .	119,319,590
Total . . . . .	86,191,474	„ „ Commerce & Industry:—	—
Ministry of Finance:—		Administration of mines, &c. . . . .	111,916,732
Direct taxes . . . . .	194,422,000	Ministry of Public Works:—	—
Indirect taxes . . . . .	71,221,000	Administration of railways . . . . .	595,996,943
Lottery . . . . .	79,266,500	Total working expenditure	868,431,355
Marine Bank . . . . .	1,876,000	B. Charges on Consolidated Fund:—	
Mint . . . . .	353,650	Addition to 'Kronnotation' of the King . . . . .	8,000,000
Total Ministry of Finance . . . . .	347,139,150	Interest of public debt, inclusive railway debt . . . . .	241,876,534
Ministry of Commerce & Industry:—		Sinking fund of debt . . . . .	37,943,068
Produce of mines, iron furnaces, and salt works . . . . .	128,188,972	Annuities, management, &c. . . . .	2,490,208
Ministry of Public Works:—	—	Chamber of Lords . . . . .	179,680
State railways . . . . .	963,751,676	„ „ Deputies . . . . .	1,201,540
Dotations, and Finance Administration:—		Contribution to imperial funds . . . . .	247,986,090
Dotations . . . . .	300,792	Appanages, annuities, indemnities, &c. . . . .	105,316,343
General Finance Administration . . . . .	335,252,575	Total charges on Consolidated Fund . . . . .	646,511,788
Total Dotations, &c. . . . .	335,553,367	C. Administrative Expenditure:—	
State Administration:—		Ministry of Finance . . . . .	72,762,679
Ministry of State . . . . .	3,606,986	„ „ Public Works . . . . .	22,376,640
Foreign Office . . . . .	4,600	„ „ Commerce and Industry . . . . .	6,618,077
Ministry of Finance . . . . .	2,584,053	„ „ Justice . . . . .	91,913,200
„ „ Public Works . . . . .	1,697,260	„ „ the Interior . . . . .	53,055,094
„ „ Commerce and Industry . . . . .	2,005,961	„ „ Agriculture, Domains, and Forests . . . . .	17,229,007
„ „ Justice . . . . .	60,913,300	„ „ Public Worship and Instruction . . . . .	105,843,809
„ „ the Interior . . . . .	11,075,890	„ „ State . . . . .	6,204,639
„ „ Agriculture, &c. . . . .	3,855,512	„ „ Foreign Affairs . . . . .	538,000
„ „ Public Worship and Instruction . . . . .	3,080,890	„ „ War . . . . .	128,122
„ „ War . . . . .	300	Total administrative expenditure . . . . .	876,669,267
Total State Administration . . . . .	88,824,752	Total ordinary expenditure	1,891,612,410
Total estimated revenue		Extraordinary expenditure	58,036,981
	1,949,649,391	Total expenditure . . . . .	1,949,649,391

The total expenditure amounts to 3*l.* 5*s.* per head of population. The direct taxes amount almost to 6*s.* per head. The income-tax averages about 2*s.* 11*d.* per head of population. The taxes have been recently regulated in 1893. From 1895, April 1, only the income-tax and a new supplementary tax (*Vermögenssteuer*) will be direct State-taxes; the land-tax, the house-tax, and the trading-tax will be received by the communities.

The expenditure for the army and navy is not entered in the budget of Prussia, but forms part of the budget of the Empire.

The public debt of the Kingdom, inclusive of the provinces annexed in 1866, was, according to the budget of 1894-95, as follows:—

	Amount	Sinking Fund
	Marks	Marks
National debt bearing interest :		
State Treasure Bills . . . . .	35,089,800	5,371,372
Consolidated debt at 4 per cent. . . . .	3,592,667,850	—
„ „ 3½ per cent. . . . .	1,916,883,950	—
„ „ 3 per cent. . . . .	635,000,000	—
Non-consolidated loans . . . . .	3,237,750	3,237,742
Preference loan of 1855 . . . . .	3,420,000	2,154,000
War debt of the Kurmark and Neumark . . . . .	209,711	104,511
State railway debt . . . . .	170,075,536	3,046,995
Debt of provinces annexed in 1866 . . . . .	14,919,757	3,026,969
Total national debt . . . . .	6,371,504,354	16,941,590

The charges for interest, amortisation, and management of the debt amounted to 282,309,810 marks in the financial year 1894-95.

The debt amounts to 10*l.* 12*s.* per head of population, and the annual charge to over 9*s.* per head. In 1890 the total value of incomes was estimated by Dr. Soetbeer at 10,000 million marks, or 500,000,000*l.* sterling, and the average per head at 342 marks, or 17*l.* 2*s.*

### Army.

The military organisation of the Kingdom, dating from the year 1814, is based on the principle that every man, capable of bearing arms, shall receive military instruction and enter the army for a certain number of years. The conditions of service have been already described under *German Empire*.

The peace strength of the Prussian contingent of the Imperial army was given as follows in the budget estimates of 1894-95:—

	Officers, Surgeons, &c.	Men	Horses
Infantry of the Line . . . . .	11,122	280,067	—
Riflemen, or 'Jäger' . . . . .	364	8,856	—
Bezirks-Kommandos . . . . .	539	4,134	—
Cavalry . . . . .	2,490	51,096	49,982
Artillery (field and fortress) . . . . .	3,543	64,463	23,121
Engineers . . . . .	691	15,138	—
Military Train, &c. . . . .	2,655	7,890	3,279
Total . . . . .	21,404	431,644	76,382

## Production and Industry.

### I. AGRICULTURE.

The table on p. 536, showing the division of the population of Germany according to occupations, indicates which branches are of most importance in Prussia. About one-half, or twelve millions, of the inhabitants are dependent upon agriculture as sole or chief occupation. Of the total area 20,853,532 hectares are productively occupied by crops or forests. On June 5, 1882, the number and areas of separate farms were as follows :—

Under 1 hectare	1-10 hectares	10-100 hectares	Above 100 hectares	Total
1,456,724	1,178,625	384,408	20,439	3,040,196

These farms supported a population of 11,678,383, of whom 4,625,893 were actively engaged in agriculture. The areas under the chief crops and the yield in metric tons per hectare in 1893-94 and the annual average yield for the period 1878-93 are as follows :—

—	1893-94		Average Yield 1878-93
	Hectares	Yield	
Wheat . . . . .	1,201,085	1.49	1.27
Rye . . . . .	4,562,314	1.16	0.92
Barley . . . . .	855,926	1.14	1.16
Oats . . . . .	2,576,173	0.80	1.05
Potatoes . . . . .	2,075,558	9.96	7.62
Hay . . . . .	3,272,647	1.62	2.15

The largest wheat-crops are grown in Silesia, Saxony, Hanover, Rhineland, and West Prussia ; rye is a common crop all over the Kingdom ; barley is produced in greatest quantities in Saxony and Silesia ; and oats in Silesia, East Prussia, Hanover, Rhineland, and other northern provinces. Silesia, Brandenburg, and Posen produce the most potatoes.

In 1892-93 Prussia contained 314 establishments engaged in the manufacture of beet-root sugar, which consumed 7,745,746 metric tons of beet-root in the production of 925,510 tons of raw sugar, 185,574 tons of molasses. In 1892-93 there were 6,002 breweries in action in Prussia, which brewed 23,320,800 hectolitres of beer, or 76 litres per head of the population.

In 1892-93 there were 6,108 distilleries in operation, which produced 2,450,000 hectolitres of alcohol.

### II. MINERALS.

The mineral riches of Prussia are very considerable. The coal-mines especially have developed greatly during the last half-century. The coal raised in Prussia amounts to over 90 per cent. of the total coal produced in Germany, and is found mostly in Silesia, Westphalia, and the Rhine Province ; lignite being mainly worked in Saxony. The output of coal increased from 17,571,581 tons in 1848 to 67,657,844 tons in 1893, and the output of lignite in the same time from 8,118,553 tons to 17,553,419 tons.

Considerable quantities of iron are also raised in Prussia, chiefly in the Rhine Province, Westphalia, Silesia, Hanover, and Hesse-Nassau. The follow-



ing table shows the quantities (in metric tons) and the values (in marks) of the coal and iron ore raised, and of the pig-iron produced in 1892-93:—

	1892		1893	
	Quantity	Value	Quantity	Value
Coal . . .	65,442,558	470,709,833	67,657,844	440,336,577
Lignite . . .	17,219,033	47,652,132	17,553,419	44,444,470
Iron ore . . .	4,081,306	25,554,146	4,007,900	24,146,267
Pig iron . . .	3,439,081	170,062,203	3,539,702	164,475,479

Prussia yields about one-half (142,773 tons in 1893) of the world's annual production of zinc; and copper (20,052 tons) and lead (82,979 tons) are also found. The total value of the mining products in 1892 was 614,042,250 marks.

### Commerce.

The trade of Prussia forms an important part of the general trade of the German customs district (Zollverein), which now includes the whole of the Empire, with exception of few districts in Baden and of small parts of the ports of Hamburg, Cuxhaven, Bremerhaven, and Geestemünde. This is carried on through the various ports of the Baltic and North Seas, through many navigable rivers and canals, and an extensive network of roads, railways, and telegraphs. There are 83 chambers and corporations of commerce in the large towns of the Kingdom. The most important commercial towns are Berlin, Königsberg, Danzig, Stettin, Posen, Breslau, Magdeburg, Altona, Hanover, Frankfort-on-Main, Cologne, Elberfeld, and Barmen. There are no separate statistics for the trade of Prussia; it is included in that of Germany.

### Internal Communications.

The railway system of Prussia is extensive and complete. On May 1, 1894, the length of the system open for traffic was as follows:—

Railways	Km.
1. Owned or administered by the State . . . . .	26,139
2. Owned and administered by private companies . . . . .	1,450
Total . . . . .	27,589

In 1878 the lines owned by the State had a length of only 3,066 miles, while those owned by private companies extended to 11,066 miles.

The whole of the railways of Prussia will in time become national property. As will be seen from the budget statement, a very large revenue is derived by the State from the railways.

### References concerning Prussia.

Handbuch über den Königl. Preussischen Hof und Staat für das Jahr 1894. 8. Berlin, 1893.  
 Preussische Statistik. Herausgegeben vom Königl. Statist. Bureau. Folio. Berlin, 1894.  
 Statistisches Handbuch für den Preussischen Staat. Berlin, 1893.  
 Zeitschrift des Königl. Preussischen Statistischen Bureaus. 4. Berlin, 1894.  
 Droysen (J. G.), Geschichte des Preussischen Politik. 5 vols. Leipzig.  
 Hue de Grais, Handbuch der Verfassung und Verwaltung in Preussen und den deutschen Reiche. 5 ed. Berlin, 1886.  
 Pollard (J.), A Study of Municipal Government. The Corporation of Berlin. 2 ed. London, 1894.

**REUSS, Elder Branch.**

(FÜRSTENTHUM REUSS—AELTERE LINIE.)

**Reigning Prince.**

**Heinrich XXII.**, born March 28, 1846; the son of Prince Heinrich XX. and of Princess Caroline of Hesse-Homburg; succeeded his father Nov. 8, 1859; married, Oct. 8, 1872, to Princess Ida of Schaumburg-Lippe, born July 28, 1852; died September 28, 1891.—Offspring:—I. *Heinrich XXIV.*, born March 20, 1878. II. *Emma*, born Jan. 17, 1881. III. *Maria*, born March 26, 1882. IV. *Caroline*, born July 13, 1884. V. *Hermine*, born Dec. 17, 1887. VI. *Ida*, born Sept. 4, 1891.

The princely family of Reuss traces its descent to the old prefects of Weida, who were imperial functionaries and afterwards free lords. All the heads of the house, ever since the commencement of the eleventh century, have been called Heinrich. In the year 1701 it was settled, in a family council, that the figures should not run higher than a hundred, beginning afterwards again at one. The present sovereign of Reuss-Greiz has no civil list, but a great part of the territory over which he reigns is his private property.

**Constitution and Finance.**

The Constitution, bearing date March 28, 1867, provides for a legislative body of 12 members, 3 nominated by the sovereign, 2 by the nobility, 3 elected by towns, and 4 by rural districts. The public revenue, balanced by the expenditure, was set down as 1,229,708 marks, for 1894. There is a public debt of 139,800 marks.

**Area and Population.**

The area of the Principality is 122 English square miles, and the population in 1890 was 62,754 (30,497 males and 32,257 females), 916 being foreigners. Population per square mile 514·3. Of the population 61,572 were Protestant, and 936 Catholic. The capital, Greiz, has (1890) 20,141 inhabitants. In 1892 there were 495 marriages, 2,703 births, 1,710 deaths; surplus of births, 993. Of the births 107 (4·0 per cent.) were stillborn, and 201 (7·4 per cent.) illegitimate. Emigrants in 1889, 47; 1890, 66; 1891, 117; 1892, 63. In 1892 there were 545 criminals convicted. In 1885 743 paupers were relieved, the dependants of the paupers numbering 596.

**Agriculture.**

On June 5, 1882, there were in the Principality 3,922 farms, as follows: under 1 hectare, 1,827; 1-10 hectares, 1,445; 10-100 hectares, 669; over 100 hectares, 6. In 1892 the cultivated area and produce were as follows:—

Crop	Hectares	1,000 kilog.	Crop	Hectares	1,000 kilog.
Rye ... ..	3,471	5,549	Potatoes ...	2,107	16,501
Wheat ... ..	314	451	Oats ... ..	2,622	4,388
Barley ... ..	1,729	2,444	Hay ... ..	5,271	12,005

There are 22 miles of railway.

**REUSS, Younger Branch.**

(FÜRSTENTHUM REUSS—JÜNGERE LINIE.)

**Reigning Prince.**

**Heinrich XIV.**, born May 28, 1832; the son of Prince Heinrich LXVII. and of Princess Adelaide; succeeded his father July 14, 1867; married,

Feb. 6, 1858, to Princess *Agnes* of Württemberg, who died July 10, 1886. Offspring:—I. Prince *Heinrich XXVII.*, born November 10, 1858; married November 11, 1884, to Princess *Elise*, born September 4, 1864, daughter of Prince *Hermann* of Hohenlohe-Langenburg; three children. II. Princess *Elisabeth*, born October 27, 1859; married November 17, 1887, to Prince *Hermann* of Solms-Braunfels.

The reigning house forms a younger branch of the Reuss family. As in Reuss-Greiz, a great part of the territory of the Principality is the private property of the reigning family.

All the princes are called *Heinrich*, and to distinguish them they have numbers attached to their names, beginning and ending in each century. Number I. is given to the first prince of the branch born in the century, and the numbers follow in the order of birth until the century is finished, when they begin again with number I.

### Constitution and Finance.

The Principality has a Constitution, proclaimed November 30, 1849, and modified April 14, 1852, and June 20, 1856. Under it restricted legislative rights are granted to a Diet of sixteen members, of whom three are elected by those paying the highest income-tax, and twelve by the inhabitants in general. The head of the collateral Reuss-Köstritz family is hereditarily a member. The Prince has the sole executive and part of the legislative power. In the administration of the State a cabinet of three members acts under his direction.

The annual estimated public income was given as 2,091,400 marks for the financial period 1893-95, with an expenditure of 2,080,051 marks. There is a public debt (1893) of 1,040,550 marks.

### Area and Population.

The area of the Principality is 319 English square miles, and the population in 1890 was 119,811 (57,866 males and 61,945 females), 850 being foreigners. Population per square mile 375·6. Of the total population 118,072 were Protestant, 1,181 were Catholic, 386 other Christians, and 147 were Jews. The capital, *Gera*, has (1890) 39,599 inhabitants. In 1892 there were 1,086 marriages, 5,127 births, and 3,569 deaths; surplus of births 1,558. Of the births 174 (0·3 per cent.) were stillborn, and 657 (1·3 per cent.) illegitimate. Emigrants in 1889, 138; 1890, 206; 1891, 248; 1892, 237; 1893, 169. In 1892 there were 955 criminal convictions. In 1885 1,464 paupers were relieved; the dependents of the paupers numbered 1,105.

### Agriculture.

On June 5, 1892, there were in the Principality 8,519 farms, as follows:—under 1 hectare, 3,663; 1-10 hectares, 3,423; 10-100 hectares, 1,403; over 100 hectares, 30. In 1892 the cultivated area and produce were as follows:—

Crop	Hectares	1,000 kilog.	Crop	Hectares	1,000 kilog.
Rye ... ..	7,592	10,359	Potatoes ...	4,880	44,646
Wheat ... ..	1,906	3,498	Oats ... ..	6,620	8,447
Barley ... ..	3,466	4,656	Hay ... ..	14,005	29,158

Railways (1893), 49 miles.

*British Consul General.*—Freiherr von Tauchnitz (Leipzig).

**SAXE-ALTENBURG.**

(HERZOGTHUM SACHSEN-ALTENBURG.)

**Reigning Duke.**

**Ernst**, born September 16, 1826 ; the son of Duke Georg of Saxe-Altenburg and Princess Marie of Mecklenburg-Schwerin. Succeeded to the throne at the death of his father, August 3, 1853 ; married April 28, 1853, to Princess *Agnes*, of Anhalt-Dessau, born June 24, 1824. Offspring :—Princess *Marie*, born Aug. 2, 1854 ; married April 19, 1873, to Prince Albrecht of Prussia, Regent of Brunswick. *Brother of the Duke* ; Prince *Moritz*, born October 24, 1829 ; married October 15, 1862, to Princess Augusta of Saxe-Meiningen, by whom he has issue three daughters and a son—1. Maria Anna, born March 14, 1864, married April 16, 1882, to Prince George of Schaumburg-Lippe ; 2. Elizabeth, born January 25, 1865, married April 17, 1884, to Grand-duke Constantine of Russia ; 3. Ernst, born August 31, 1871 ; 4. Louise, born August 11, 1873.

There was a separate Duchy of Saxe-Altenburg from 1603 till 1672, but its territories were afterwards incorporated with Saxe-Gotha until 1826, when the Duke of Hildburghausen, which had been a separate Duchy since 1680, exchanged Hildburghausen for Altenburg, and became Duke Frederick of Saxe-Altenburg. In 1874 the Duke resigned his right to a civil list, in exchange for a charge upon the State or crown-domains (Domänen-fideicommiss).

**Constitution and Finance.**

The Constitution bears date April 29, 1831, but was altered at subsequent periods. The legislative authority is vested in a Chamber composed of thirty representatives, of whom nine are chosen by the highest taxed inhabitants, nine by the inhabitants of towns, and twelve by those of rural districts. The Chamber meets every three years, and the deputies are elected for two sessions.

The executive is divided into three departments, namely—1, of the Ducal House, Foreign and Home Affairs ; 2, of Justice ; 3, of Finance. The budget is voted for three years, the estimates for the period 1893-95, exhibiting an annual revenue of 3,847,110 marks, and an expenditure of the same amount. Two thirds of the revenue are derived from the State domains and the remainder from indirect taxes. The public debt in July 1893 amounted to 887,450 marks, covered seven times over by the active funds of the State.

**Area and Population.**

The area of the Duchy is 511 English square miles, and the population in 1890 was 170,864 (83,010 males and 87,854 females), 890 being foreigners. Population per square mile 332·4. Of the total, 168,549 were Protestant and 2,091 Catholic. The capital, Altenburg, had in 1890 31,439 inhabitants. Many of the inhabitants of the Duchy are of Slavonic origin. The peasants are reputed to be more wealthy than those of any other part of Germany, and the rule prevails among them of the youngest son becoming the heir to the landed property of the father. Estates are kept for generations in the same family, and seldom parcelled out. The rural population, however, has been declining in numbers for the last thirty years. In 1892 there were 1,569 marriages, 7,137 births, 4,754 deaths : surplus of births 2,383. Of the births 328 (4·6 per cent.) were stillborn, and 829 (11·6 per cent.) illegitimate. Emigrants in 1889, 65 ; 1890, 117 ; 1891, 112 ; 1892, 81. In 1892 there were 1,018 criminals convicted. In 1885, 1,703 paupers were relieved, the dependants of the paupers numbering 1,219.

### Agriculture.

In 1885 there were 16,208 separate farms in the Duchy, as follows: under 1 hectare, 8,111; 1-10 hectares, 5,547; 10-100 hectares, 2,500; over 100 hectares, 41. The agricultural population at the time being 54,579. In 1892 the cultivated area and produce were as follows:—

Crop	Hectares	1,000 kilog.	Crop	Hectares	1,000 kilog.
Rye ... ..	16,768	29,859	Potatoes ...	7,949	111,726
Wheat ... ..	6,457	12,943	Oats ... ..	14,723	23,131
Barley ... ..	8,354	16,387	Hay ... ..	11,116	34,566

There are 102 miles of railway.

*British Consul-General.*—Freiherr von Tauchnitz (Leipzig).

## SAXE-COBURG AND GOTHA.

(HERZOGTHUM SACHSEN-COBURG-GOTHA.)

### Reigning Duke.

**Alfred**, born August 6, 1844, son of Prince Albert and Queen Victoria of Great Britain; succeeded his uncle, Ernest II., August 22, 1893; married January 23, 1874, to the Grand Duchess Marie, daughter of the Emperor Alexander II. of Russia. Offspring:—1, Alfred, born October 15, 1874; 2, Marie, born October 29, 1875; married January 11, 1893, to Prince Ferdinand of Roumania; 3, Victoria, born November 25, 1876; married April 19, 1894, to Ernst Ludwig, Grand Duke of Hesse; 4, Alexandra, born September 1, 1878; 5, Beatrice, born April 20, 1884.

The immediate ancestor of the reigning family of Saxe-Coburg and Gotha was Duke John Ernst, seventh son of Duke Ernst the Pious, who succeeded his brother Albrecht, Ernst's second son, in 1699, in the Duchy of Saxe-Coburg, to which he added Saalfeld. John Ernst's two sons ruled in common, under the title Dukes of Saxe-Coburg-Saalfeld; but their single successor Ernst Frederick I. (1764-1800) introduced the principle of primogeniture. On the extinction of the line of Saxe-Gotha in 1826, Ernst III. received Gotha in exchange for Saalfeld, which was assigned to Saxe-Meiningen, and assumed the title of Ernst I. of Saxe-Coburg and Gotha. The family is in possession of a large private fortune, accumulated chiefly by Duke Ernst I., to whom the Congress of Vienna made a present of the Principality of Lichtenberg. This Principality he sold, September 22, 1834, to the King of Prussia, for a sum of two million thalers, and other advantages. The reigning Duke receives 300,000 marks out of the income of the Gotha domains, 100,503 marks is paid into the public exchequer, while the rest is divided between the Duke and the State. The Duke further receives one-half of the excess of revenue over expenditure from the Coburg domains.

### Constitution and Finance.

The Staatsgrundgesetz, or fundamental law of the two Duchies, proclaimed May 3, 1852, vests the legislative power in the Duke in conjunction with two separate chambers, one for the Duchy of Coburg and the other for the Duchy of Gotha. For the common affairs of the two Duchies the two Chambers meet in common. The Coburg Chamber consists of eleven, and that for Gotha of nineteen members, chosen in as

many electoral divisions, by the indirect vote of all the electors. Every man above the age of twenty-five who pays direct taxes has a vote, and every fully-qualified citizen above thirty may be elected a deputy to the Landtag or Chamber. Deputies resident in Coburg or Gotha receive six marks per diem, the others ten marks per diem and travelling expenses. New elections take place every four years. The two assemblies meet separately, usually in the first and last years of their duration, otherwise when necessary; the 'United Parliament' meets alternately at the towns of Coburg and of Gotha.

The domain budget is voted for the term of four years for Gotha and of six years for Coburg, and in the financial State-accounts a distinction is made between domain-revenue and State-revenue. The annual domain revenue for Coburg 1891-97 is estimated at 420,500 marks, and expenditure 236,500 marks; revenue for Gotha 1893-97, 2,144,226 marks, expenditure 1,182,425 marks. The special State revenue for each year from 1893 to 1897 for Coburg is set down at 812,700 marks, and for Gotha at 1,959,924 marks; while the common State-revenue of Coburg and Gotha is set down at 2,012,182 marks, and expenditure 2,647,190 marks. The public debt, in 1895, amounted to 2,967,100 marks for Coburg, and to 140,198 marks for Gotha, both being largely covered by productive investments.

### Area and Population.

The area of the Duchy is 755 English square miles, and the population in 1890 was 206,513 (99,746 males, and 106,767 females), 662 being foreigners. Population per square mile 273·5. Of the total 202,444 were Protestant and 2,909 Catholic; there were also 549 Jews. The chief towns, Gotha and Coburg, had respectively 29,134 and 17,106 inhabitants. In 1892 there were 1,748 marriages, 7,242 births, 4,619 deaths; surplus of births 2,623. Of the births 245 (3·4 per cent.) were stillborn, and 823 (11·4 per cent.) illegitimate. Emigrants, 1889, 276; 1890, 206; 1891, 238; 1892, 198. In 1892 there were 1,424 criminals convicted. In 1885, 2,511 paupers were relieved, the dependants of the paupers numbering 2,037.

### Agriculture.

In 1882 there were in the Duchy 26,403 separate farms, as follows: under 1 hectare, 12,410; 1-10 hectares, 10,908; 10-100 hectares, 3,051; over 100 hectares, 70; the agricultural population being then 65,796. In 1892 the cultivated area and produce were as follows:—

Crop	Hectares	1,000 kilog.	Crop	Hectares	1,000 kilog.
Rye ... ..	12,307	17,057	Potatoes ...	10,493	120,393
Wheat ... ..	11,354	15,913	Oats ... ..	14,911	18,453
Barley ... ..	12,949	20,159	Hay ... ..	19,148	53,141

There are 110 miles of railway.

*British Chargé d'Affaires.*—Sir A. Condie Stephen, K. C. M. G., C. B.  
*Consul-General.*—Freiherr von Tauchnitz (Leipzig).

**SAXE-MEININGEN.**

(HERZOGTHUM SACHSEN-MEININGEN.)

**Reigning Duke.**

**Georg II.**, born April 2, 1826; the son of Duke Bernhard I. Succeeded, on the abdication of his father, September 20, 1866. Married, (1) May 18, 1850, to Princess Charlotte of Prussia, who died March 30, 1855; (2) October 23, 1858, to Princess Feodora of Hohenlohe-Langenburg, born July 7, 1839, who died February 10, 1872; (3)morganatically, March 18, 1873, to Ellen Franz, Baroness von Heldburg. *Offspring* (first marriage):—I. Prince *Bernhard*, born April 1, 1851; married February 18, 1878, to Princess Charlotte, eldest daughter of the late German Emperor Friedrich Wilhelm; offspring of the union is a daughter, Feodora, born May 12, 1879. II. Princess *Marie Elizabeth*, born September 23, 1853. (Second marriage) III. Prince *Ernst*, born September 27, 1859; married morganatically Sept. 20, 1892, to Katharina Fensen, Baroness von Saalfeld. IV. Prince *Friedrich*, born October 12, 1861; married April 25, 1889, to Adelheid, Countess of Lippe Biesterfeld; offspring two daughters and a son, Georg, born October 11, 1892.

The line of Saxe-Meiningen was founded by Duke Bernhard, third son of Ernst I. of Saxony, surnamed the Pious, the friend and companion in arms of King Gustaf Adolf of Sweden. The Duchy was only one-third its present size up to the year 1826, when, by the extinction of the ancient family of Saxe-Gotha, the territories of Hildburghausen and Saalfeld fell to the father of the present Duke. The Duke has a civil list of 394,286 marks paid out of the produce of the State domains. Besides these he receives the half of the surplus, which is estimated for the 3 financial years 1894-96 at 430,770 marks.

**Constitution and Finance.**

The charter of the Duchy bears date August 23, 1829, and is supplemented by the laws of 1870 and 1873. It provides for a legislative organization, consisting of one Chamber of twenty-four representatives. Four of these are elected by those who pay the highest land and property tax, and four by those who pay income tax on an income of 3,000 marks or more; sixteen by all other inhabitants. The Chamber meets as often as necessary, and in any case for the arrangement of the budget every three years, and new elections take place every six.

The budget for the 3 financial years 1894-96 states the revenue at 7,483,980 marks, and the expenditure at 6,622,440 marks. More than one third of the revenue is drawn from State domains belonging to the ducal family. The chief items of expenditure are Matrikularbeitrage (or contributions) for the Empire (estimated at 1,609,680 marks), the interest of the public debt, 471,329 marks, and the expenses for the administration of the State domains and of the State. The debt in 1893 amounted to 11,571,913 marks. Most of the debt is covered by productive State capital.

**Area and Population.**

The area of the Duchy is 953 English square miles, and the population in 1890 was 223,832 (108,914 males and 114,918 females), 412 being foreigners. Population per square mile 234.8. Of the total 219,207 were Protestants; 2,780 were Catholic; 1,560 were Jews. The capital, Meiningen, had, in 1890, 12,029 inhabitants. In 1892 there were 1,855 marriages; 7,889 births; 5,067 deaths; surplus of births, 2,822. Of the births 298 (3.8 per cent.) were stillborn, and 963 (12.2 per cent.) illegitimate. Emigrants: 1889, 174; 1890, 241; 1891, 232; 1892, 183. In 1892 there were 2,109 criminals con-

victed. In 1885 there were 1,922 paupers relieved, the dependants of the paupers numbering 2,023.

### Agriculture.

In 1885 there were in the Duchy 31,835 separate farms, as follows: under 1 hectare, 15,706; 1-10 hectares, 12,973; 10-100 hectares, 3,090; over 100 hectares, 66. In 1892 the cultivated area and produce were as follows:—

Crop	Hectares	1,000 kilog.	Crop	Hectares	1,000 kilog.
Rye ... ..	17,773	22,327	Potatoes ...	12,408	125,701
Wheat ... ..	10,109	11,968	Oats ... ..	17,006	16,783
Barley ... ..	7,582	9,206	Hay ... ..	27,236	80,492

There are 163 miles of railway.

*British Consul-General.*—Freiherr von Tauchnitz (Leipzig).

### Reference.

Statistik des Herzogthums Sachsen Meiningen. Meiningen, 1882, 1885, 1889, 1892, 1894.

## SAXE-WEIMAR.

(GROSSHERZOGTHUM SACHSEN-WEIMAR.)

### Reigning Grand-duke.

**Karl Alexander**, born June 24, 1818; the son of Grand-duke Karl Friedrich and of Grand-duchess Marie, daughter of the late Czar Paul I. of Russia. Succeeded his father July 8, 1853; married October 8, 1842, to *Sophie*, born April 8, 1824, daughter of the late King Willem II. of the Netherlands. *Offspring*:—I. Prince *Karl August*, heir-apparent, born July 31, 1844; married August 26, 1873, to Princess Pauline, born July 25, 1852, eldest daughter of Prince Hermann of Saxe-Weimar, of which union there are offspring, (1) Wilhelm Ernest, born June 10, 1876, and (2) Bernhard, born April 18, 1878. II. Princess *Maria*, born January 20, 1849; married February 6, 1876, to Prince Heinrich VII., of Reuss-Schleiz-Köstritz. III. Princess *Elisabeth*, born February 28, 1854; married Nov. 6, 1886, to Johann, Duke of Mecklenburg-Schwerin.

### Cousins of the Grand-duke.

I. Prince *Eduard*, born October 11, 1823, the son of the late Duke Bernhard of Saxe-Weimar; major-general in the British army; married Nov. 27, 1851, to Lady Augusta Catherine, born Jan. 14, 1827, daughter of the fifth Duke of Richmond.

II. Prince *Hermann*, born August 4, 1825, brother of the preceding; married June 17, 1851, to Princess Augusta, born October 4, 1826, youngest daughter of King Wilhelm I. of Württemberg, of which union there are offspring six children.

The family of the Grand-duke stands at the head of the Ernestine or elder line of the princely houses of Saxony, which include Saxe-Meiningen, Saxe-Altenburg, and Saxe-Coburg-Gotha; while the younger, or Albertine line, is represented by the Kings of Saxony. In the event of the Albertine line becoming extinct, the Grand-duke of Weimar would ascend the Saxon throne. Saxe-Weimar was formed into an independent Principality in 1640,



and Eisenach was joined to it in 1644. After a temporary subdivision the Principality was finally united into a compact whole under Ernest Augustus (1728-1748), who introduced the principle of primogeniture. On entering the Confederation of the Rhine, the Principality (*Fürstenthum*) became a Duchy (*Herzogthum*). At the Congress of Vienna a considerable increase of territory, together with the title of Grand-duke, was awarded to Duke Karl August, known as a patron of German literature.

The Grand-duke has a large private fortune, part of which he obtained in dowry with his consort, Princess Sophie of the Netherlands. He has also a civil list of 96,000 marks, or 4,800*l.*

### Constitution and Revenue.

The Constitution of the Grand-duchy was granted May 5, 1816; but slightly altered by the law of October 15, 1850. It was the first liberal Constitution granted in Germany. According to this charter the legislative power is vested in a House of Parliament of one Chamber. It is composed of 31 members, of whom one is chosen by the noble landowners; four by other landowners having a yearly income of from 3,000 marks upwards; five by other persons of the same income; and twenty-one by the other inhabitants. The first-mentioned ten deputies are elected directly, the remaining twenty-one indirectly. All citizens over twenty-five years of age have the franchise. The Chamber meets every three years. The executive, acting under the orders of the Grand-duke, but responsible to the representatives of the country, is divided into three departments.

The budget is granted by the Chamber for a period of three years. That from 1893 to 1895 comprises an annual income and an annual expenditure of 8,733,584 marks. The State forests yield a large income, while there is a graduated tax on all incomes, the estimates for which are based on a total income for the population of 93,567,670 marks. The public debt amounted to 5,083,671 marks on July 1, 1891. The debt is more than covered by the productive capital of the State.

### Area and Population.

The Grand-duchy has an area of 1,388 English square miles, and consists of the three detached districts of Weimar, Eisenach, and Neustadt, to which belong also 24 smaller exclaves. The population was 292,933 in 1875; 309,577 in 1880; 313,946 on December 1, 1885; 326,091 on December 1, 1890. During the years from 1875 to 1880 the increase was at the rate of 1·10 per cent. per annum, 0·28 in 1880-85, 0·77 in 1885-90. Of the population in 1890, 157,905 were males and 168,186 females; *i.e.* 106·5 females per 100 males. Foreigners numbered 1,326. Marriages, 1893, 2,540; births, 11,710; deaths, 7,634; surplus of births, 4,076. Among the births 413 (3·53 per cent.) were stillborn, and 1,199 (10·24 per cent.) illegitimate.

In 1890, 37 per cent. of the population lived in towns with 2,000 inhabitants and upwards, and 63 per cent. in rural communes. The town of Weimar, capital and largest town of the Grand-duchy, had 24,546 inhabitants at the census of December 1, 1890. The number of emigrants in eight years was as follows:—

1886	1887	1888	1889	1890	1891	1892	1893
267	354	368	137	98	97	173	104

### Religion, Instruction, Justice, and Crime.

In 1890 Saxe-Weimar contained 312,738 Protestants (95·9 per cent.), 11,641 Catholics (3·6 per cent.), 418 other Christians, 1,252 Jews, and 42 unclassified.

The University at Jena (see *Germany*, p. 541) is common to the four Saxon Duchies. The public schools in the Grand-duchy at the close of 1891-92 were as follows:—

Schools	No.	Teachers	Pupils
Elementary schools . . . . .	461	880	53,540
Gymnasia . . . . .	3	50	684
Realgymnasia . . . . .	2	28	486
Höhere Bürgerschulen (2 private) .	4	47	603
Normal schools . . . . .	2	34	177
Drawing schools . . . . .	2	8	493
Deaf-mute and blind asylum . . .	1	11	53

Saxe-Weimar contains two Landgerichte, while the district of Neustadt is subject to the jurisdiction of the Landgericht at Gera. The Oberlandesgericht at Jena is a common court of appeal for the four Saxon Duchies, Schwarzburg-Rudolstadt, the two Reuss Principalities, and parts of Prussia. In 1888, 2,010 persons, *i.e.* 89·1 per 10,000 inhabitants above the age of 12, were convicted of crime in Saxe-Weimar. In 1885, 4,198 persons, with 2,601 dependents, received public poor relief, *i.e.* 21·66 per 1,000 inhabitants.

### Production.

Nearly one-half of the population are supported by agriculture, and 224,625 hectares, or nearly two-thirds of the entire area, are cultivated. The number of separate agricultural tenements on June 5, 1882, was as follows:—

Under 1 Hect.	1-10 Hect.	10-100 Hect.	Over 100 Hect.	Total
14,632	19,408	6,016	147	40,203

These farms supported a population of 132,057, of whom 55,417 were actively engaged in agriculture.

There were 193 miles of railway in 1893.

*British Minister Plenipotentiary.*—Right Hon. Sir Edward Malet, G. C. B., G. C. M. G.

*Consul-General.*—Freiherr von Tauchnitz (Leipzig).

## SAXONY.

(KÖNIGREICH SACHSEN.)

### Reigning King.

**Albert**, born April 23, 1828; eldest son of King Johann and of Queen Amalie, daughter of King Maximilian I. of Bavaria. Educated for a military career, and entered the army of Saxony 1843, and of the Confederated States of Northern Germany 1867. Commander of the German army of the Meuse in the war against France, 1870-71. Nominated field-marshal in the German army 1871. Succeeded to the throne, at the death of his father,

October 29, 1873. Married June 18, 1853, to Queen *Caroline*, born August 5, 1833, daughter of Prince Gustav of Vasa.

*Sister and Brother of the King.*

I. Princess *Elisabeth*, born February 4, 1830 ; married April 22, 1850, to Prince Ferdinand of Sardinia ; widow February 10, 1855.

II. Prince *Georg*, Duke of Saxony, born August 8, 1832 ; married May 11, 1859, to Infanta Maria Anna, born July 21, 1843 (died February 5, 1884), daughter of King Ferdinand of Portugal. Nominated field-marshal in the German army June 15, 1888. Offspring of the union are six children :—1. Princess Matilde, born March 19, 1863. 2. Prince Friedrich August, born May 25, 1865 ; married November 21, 1891, to Princess Luise of Tuscany, born September 2, 1870. Offspring: Prince Georg, born January 15, 1893 ; Prince Friedrich Christian, born December 31, 1893. 3. Princess Maria Josefa, born May 31, 1867 ; married October 2, 1886, to Archduke Otto of Austria. 4. Prince Johann Georg, born July 10, 1869 ; married April 5, 1894, to Duchess Maria Isabella of Württemberg. 5. Prince Max, born November 17, 1870. 6. Prince Albert, born February 25, 1875.

The royal house of Saxony counts amongst the oldest reigning families in Europe. It gave an emperor to Germany as early as the beginning of the tenth century ; but the house subsequently spread into numerous branches, the elder of which, called the Ernestine line, is represented at this moment by the ducal families of Saxe-Altenburg, Saxe-Coburg-Gotha, Saxe-Meiningen, and Saxe-Weimar ; while the younger, the Albertine line, lives in the rulers of the Kingdom of Saxony. In 1806 the Elector Friedrich Augustus III. (1763-1827), on entering the Confederation of the Rhine, assumed the title of King of Saxony, which was confirmed in 1815. The following were the predecessors of the present King :—

Friedrich August I.	. . . . .	(1763) 1806-1827
Antony . . . . .	. . . . .	1827-1836
Friedrich August II.	. . . . .	1836-1854
Johann . . . . .	. . . . .	1854-1873

King Albert has a civil list of 3,142,300 marks per annum. Exclusive of this sum are the appanages, or dotations of the princes and princesses, amounting annually to (1894-95) 603,215 marks. The formerly royal domains consisting chiefly of extensive forests, became, in 1830, the property of the State.

**Constitution and Government.**

The present Constitution of Saxony dates from September 4, 1831 ; but has undergone alterations and modifications by the laws of June 19, 1846 ; March 31, 1849 ; May 5, 1851 ; November 27, 1860 ; October 19, 1861 ; December 3, 1868 ; October 12, 1874 ; February 20, 1879 ; and April 20, 1892. According to the terms of the Constitution, the crown is hereditary in the male line ; but, at the extinction of the latter, also in the female line. The sovereign comes of age at the completed eighteenth year, and, during his minority, the nearest heir to the throne takes the regency. The legislature is jointly in the King and Parliament, the latter consisting of two Chambers. The Upper Chamber comprises the princes of the blood royal ; the proprietors of mediatised domains, now held by five owners : twelve deputies elected by the owners of other nobiliar estates ; ten noble proprietors and five other members without restriction nominated by the King for life ; the burgomasters of eight towns ; and the superintendents and deputies of four collegiate institutions, of the University of Leipzig, and of the Roman Catholic chapter of St. Peter at Bautzen. The Lower Chamber is made up of

thirty-seven deputies of towns and forty-five representatives of rural communes. The qualification for a seat in the Upper House, as well as the right of election to the same, is the possession of a landed estate worth at least 3,000 marks a year; which qualification, however, is not required by the *ex-officio* deputies of chapters and universities. To be a member of the Lower House, no fixed income is required; and electors are all men above twenty-five years of age who pay three marks annual land-tax or other direct contributions, or who own land with a dwelling-house. The members of both Houses, with the exception of the hereditary and certain of the *ex-officio* members, are each allowed 12 marks per day during the sittings of Parliament, and an allowance for travelling expenses. Both Houses have the right to make propositions for new laws. No taxes can be made, levied, or altered without the sanction of both Chambers.

The executive is in the King and a Council of Ministers, namely, the Ministers of Justice, of Finance, of the Interior, of War, of Foreign Affairs, of Education, and Ecclesiastical Affairs.

### Area and Population.

Saxony has an area of 5,787 English square miles. The following table shows the area and population of the whole and of each of the four Kreishauptmannschaften, or chief governmental divisions:—

Kreishauptmannschaften	Area, English Sq. Miles	Population.		Density per Sq. Mile
		Dec. 1885.	Dec. 1890	
Dresden . . . .	1,674	860,558	950,530	567·8
Leipzig . . . .	1,378	774,036	871,132	632·2
Bautzen. . . .	953	356,560	370,739	389·0
Zwickau . . . .	1,782	1,190,849	1,310,283	735·3
Total . . . .	5,787	3,182,003	3,502,684	605·3

In 1815, when the Kingdom received its present limits, the population was 1,178,802. The growth of the population since the first satisfactory census is illustrated in the following table:—

Year	Population	Density per Sq. Mile	Annual Increase per Cent.	Year	Population	Density per Sq. Mile	Annual Increase per Cent.
1834	1,595,668	272	—	1875	2,760,586	471	1·99
1846	1,836,433	313	1·3	1880	2,972,805	507	1·54
1855	2,039,176	348	1·2	1885	3,182,003	543	1·41
1864	2,337,192	399	1·6	1890	3,502,684	605·3	2·00
1871	2,556,244	436	1·3				

Of the total population in 1890, 1,596,797, or 45·6 per cent., live in towns, and the remainder, 54·4 per cent., in rural communes.

The urban population increased in 1871-75 at the rate of 15·1 per cent.; 1875-80, 14·7 per cent.; 1880-85, 12·3 per cent.; and 1885-90, 12·15 per cent. The rural population increased in 1871-75 at the rate of only 0·8 per cent.;

and 1880-85, 0·02 per cent. ; in 1875-80 it decreased 0·4 per cent. ; 1885-90, 8·28 per cent.

The population in 1890 included 1,701,141 males, and 1,801,543 females, *i.e.* 105·9 females per 100 males. The conjugal condition of the population was as follows :—

	Males	Females	Total
Children . . . . .	609,859	622,200	1,232,059
Adults—			
Unmarried . . . . .	411,258	389,505	800,763
Married . . . . .	633,121	633,883	1,267,004
Widowed . . . . .	43,871	149,578	193,449
Divorced or separated . . . . .	3,032	6,377	9,409

The division of the population according to occupation is shown in the table on page 536. Besides the German population, Saxony contains (1885) 49,916 Wends, most of them in the district of Bautzen. In 1890 there were (besides other Germans) 70,275 foreigners.

The movement of the population is shown in the following table :—

Year	Marriages	Total Births	Stillborn	Illegitimate	Total Deaths	Surplus of Births
1888	30,327	145,697	5,506	18,384	92,387	53,310
1889	31,790	147,978	5,339	18,661	95,331	52,647
1890	32,436	145,661	5,147	17,863	98,586	47,075
1891	31,630	152,854	5,374	18,916	94,887	57,967
1892	31,000	147,599	5,071	18,271	94,875	47,653

The emigration from Saxony, embarking at German and Dutch ports, was as follows :—

1886	1887	1888	1889	1890	1891	1892	1893
2,388	2,434	2,297	2,367	2,577	4,126	4,920	3,908

There were, in December, 1890, eleven towns with a population, according to the provisional results of the census, of more than 20,000, namely :—

Leipzig <sup>1</sup> . . . . .	357,122	Zittau . . . . .	25,394
Dresden <sup>2</sup> . . . . .	289,844	Glauchau . . . . .	23,405
Chemnitz . . . . .	128,954	Meerane . . . . .	22,446
Plauen . . . . .	47,007	Bautzen . . . . .	21,516
Zwickau . . . . .	44,198	Reichenbach . . . . .	21,496
Freiberg . . . . .	28,955		

<sup>1</sup> With suburbs incorporated in 1891 and 1892.

<sup>2</sup> With suburbs incorporated in 1892.

### Religion.

Although the royal family is Roman Catholic in religion, the vast majority of the inhabitants of Saxony are Protestants. The distribution of the different creeds was as follows in 1890 :—Protestants, 3,337,850, or 95·3 per cent. ; Roman Catholics, 128,509, or 3·67 per cent. ; other Catholics, 873 ; other

Christians, 11,519, or '33 per cent. ; Jews, 9,368, or '28 per cent. ; unclassified, 664. In 1890 the Kingdom contained 1,260 Moravian Brethren or Herrnhuter, mostly at Herrnhut, the chief seat of this sect. Catholic Apostolics number 3,074 and 'Old Catholics' 243. The head of the State (Protestant) Church are the ministers 'in evangelicis.' The chief governing body is the Landes-Consistorium or National Consistory at Dresden ; and it also has a representative Synod (*Synode*) with 29 clerical and 35 lay members. Ecclesiastically the Kingdom is divided into 974 parishes.

### Instruction.

The Kingdom is divided into 28 school-inspection districts. At the end of 1893 there were in Saxony 2,201 public Protestant and 40 Roman Catholic common schools (*Voiksschulen*), 71 private and chapter schools, and 1965 advanced common schools (*Fortbildungsschulen*), or altogether 4,277 common schools, with a total attendance of 684,882. In addition there were 1 polytechnic at Dresden, 1 mining-school at Freiberg, 1 forestry-school at Tharandt, 1 veterinary school at Dresden, 2 Landesschulen, 15 Gymnasia, 10 Realgymnasia, 29 Realschulen, 19 seminaries, and 2 high girls' schools—altogether 81 educational establishments, with a total attendance of 19,265, exclusive of the University and a large number of industrial, commercial, agricultural, musical, and art institutes.

The University of Leipzig, founded in 1409, and attended in the summer of 1894 by 2,764 students, is one of the largest in Germany.

### Justice, Crime, and Pauperism.

Saxony has one Oberlandesgericht, at Dresden, 7 Landgerichte, and 103 Amtsgerichte. (See *German Empire*, p. 532.) The Reichsgericht has its seat at Leipzig. In 1891, 22,638, and in 1892, 24,129 persons (or 97 per 10,000 of the population over 12 years of age) were convicted of crime. In 1891, 10,075, in 1892, 12,174 persons were punished as beggars or vagrants.

In 1890, 49,977 persons or 1'43 per cent. received public poor relief. In 1885, 53,190 persons, with 35,412 dependents (in all 2'78 per cent. of the population) received public poor relief.

### Finance.

The financial period extends over a term of two years. In the financial accounts, both the revenue and expenditure are divided into 'ordinary' and 'extraordinary,' the latter representing disbursements for public works. The budget estimate for each of the two years 1894-95 was 99,401,689 marks, and was balanced by the expenditure ; there was also for the two years 1894-95 an extraordinary revenue and expenditure of 43,381,400 marks. More than one-half of the total revenue is derived from domains, forests, and State railways. The net revenue from railways alone amounted in 1894 to 30,636,535 marks. The chief branch of expenditure is that of interest and sinking fund of the public debt, amounting to 29,329,716 marks for each of the years 1894 and 1895.

The public debt amounted in 1894 to 669,521,350 marks. The debt was incurred almost entirely for the establishment and purchase of a network of railways and telegraphs, and the promotion of other works of public utility. The total capital invested in State railways at the end of 1892 was 756,563,564 marks.

The total income of all classes of the population was estimated in 1893 at 1,621,317,722 marks, in 1892 at 1,584,950,632 marks, in 1891 1,567,697,118 marks.

### Production and Industry.

Saxony is, in proportion to its size, the busiest industrial State in the Empire, rivalled only by the leading industrial provinces of Prussia. Textile manufactures form the leading branch of industry, but mining and metal-working are also important. Agriculture supported directly and indirectly little more than a sixth of the population in 1882.

In 1893, of the total area, 978,042 hectares were under cultivation, viz. :— 795,430 hectares (81·33 per cent.) arable ; 175,510 hectares (17·95 per cent.) meadow ; 6,497 hectares (0·66 per cent.) pasture ; 605 hectares (0·06 per cent.) vineyard ; besides 387,729 hectares (1893) under wood, of which 168,804 belonged (1893) to the State. The number of separate farms on June 5, 1882, was as follows :—

Under 1 Hectare	1-10 Hectares	10-100 Hectares	Over 100 Hectares	Total
94,783	69,171	28,209	758	192,921

These farms supported a population of 578,592, of whom 285,414 were actively engaged in agriculture.

The areas (in hectares) under the chief crops, and the yield per hectare in metric tons (of 1,000 kilogrammes) at the undernoted dates were as follows :—

	Area		Yield in metric tons		
	1892	1893	1892	1893	Aver. 1878-86
Wheat . . .	50,844	51,324	2·19	2·10	1·64
Rye . . .	211,434	221,925	1·70	1·79	1·31
Barley . . .	30,763	29,138	1·73	1·39	1·48
Oats . . .	186,974	186,162	1·48	0·92	1·51
Potatoes . .	120,355	121,764	10·68	12·70	10·08
Hay, &c. . .	171,198	175,510	2·79	2·01	3·16

On May 1, 1893, the factory hands in Saxony were returned at 394,426, of whom 260,207 were males and 134,219 females ; 157,967 were engaged in the textile industry, 48,383 in the manufacture of machinery and tools, 40,227 in industries connected with stone and earth, and 26,262 in those connected with paper and leather. The total number of factories and industrial establishments was 14,808, of which 5,595 had steam power. The following shows the mining statistics for five years :—

Year	Coal Mines				Other Mines			Total			
	No. of Mines	Hands	Production in metric tons		Value in 1,000 marks	No. of Mines	Hands	Produce in 1,000 marks	No. of Mines	Hands	Produce in 1,000 marks
			Coal	Lignite							
1888	153	21,387	4,358,825	839,968	38,999	132	7,408	5,095	285	28,795	44,094
1889	145	22,281	4,234,713	849,521	40,353	130	7,169	4,990	275	29,450	45,343
1890	148	22,765	4,150,842	848,053	43,696	132	6,939	5,620	280	29,704	49,316
1891	152	24,062	4,366,819	864,376	46,462	112	7,009	5,609	264	31,071	52,071
1892	152	24,023	4,212,875	927,860	42,457	101	6,880	5,097	253	39,903	47,554

In 1892 the Saxon iron-foundries produced 184,647 metric tons of finished iron, representing a value of 30,085,651 marks. In 1892-93, 731 breweries produced 4,187,128 hectolitres of beer; and 614 distilleries consumed 125,614,800 kilogrammes of raw material in the manufacture of spirits.

### Communications.

At the end of 1893 there were 1,738 miles of railway in Saxony, of which 1,662 miles belonged to the State, and 75 miles belonged to companies but were worked by the State.

*British Minister Resident.*—George Strachey.

*British Consul-General.*—Freiherr von Tauchnitz (Leipzig).

*Consul at Dresden.*—Henry Palmié.

### References concerning Saxony.

Kalender und Statistisches Jahrbuch für das Königreich Sachsen auf das Jahr 1895. Dresden, 1894.

Staatshandbuch für das Königreich Sachsen. Dresden, 1894.

Zeitschrift des K. Sächsischen Statist. Bureaus. 4. Leipzig, 1894.

## SCHAUMBURG-LIPPE.

(FÜRSTENTHUM SCHAUMBURG-LIPPE.)

### Reigning Prince.

**Georg**, born October 10, 1846, son of Prince Adolph Georg; succeeded his father May 8, 1893; married, April 16, 1882, to Princess *Maria Anna*, of Saxe-Altenburg, born March 14, 1864.—*Offspring*:—1. Prince *Adolph*, born February 23, 1883. 2. Prince *Moritz*, born March 11, 1884. 3. Prince *Wolrad*, born April 19, 1887. 4. Prince *Stephan*, born June 21, 1891. *Mother of the Reigning Prince*:—Princess *Hermine*, born Sept. 29, 1827, daughter of the late Prince George Heinrich of Waldeck.—*Brothers and Sister of the Reigning Prince*.—1. Princess *Hermine*, born Oct. 5, 1845; married, Feb. 16, 1876, to Maximilian, Duke of Württemberg, who died 28 July, 1888. 2. Prince *Hermann*, born May 19, 1848. 3. Prince *Otto*, born Sept. 13, 1854; married (morg.) November 28, 1893, to Anna von Köppen, created Countess von Hagenburg. 4. Prince *Adolph*, born July 20, 1859; married, November 19, 1890, to Princess Victoria of Prussia, daughter of the late Emperor Friedrich III. The reigning house of Lippe is descended from a count of the same name who lived in the sixteenth century.

### Constitution and Finance.

The Principality has a Constitution, dated November 17, 1868, under which there is a legislative Diet of 15 members, two of whom are appointed by the Prince, one nominated by the nobility, one by the clergy, one by certain functionaries, and the rest elected by the people. To the Prince belongs part of the legislative and all the executive authority.

For the financial year 1894-95 the actual revenue was stated at 1,225,245 marks, and the actual expenditure at 1,127,597 marks. There was in 1891 a public debt of 510,000 marks, in 1894 of 360,000 marks.

### Area and Population.

The census of 1875 gave a population of 33,133; of 1880, of 35,374; of 1885, of 37,204; and of 1890, of 39,163 (19,435 males, 19,728 females), on an area of 131 English square miles. Marriages, 1892, 334; births, 1,310; deaths, 782; surplus of births, 528. Of the births 29 (2·2 per cent.) were stillborn, and 31 (2·3 per cent.) illegitimate. Emigrants, 1885, 75; 1886, 45;



1887, 103; 1888, 66; 1889, 31; 1890, 35; 1892, 27; 1893, 42. In 1892 there were 131 criminal convictions. Except 607 Catholics and 366 Jews (1890) the inhabitants are Protestant. Buckeburg, the residence town, has 5,186 inhabitants (1890).

Agricultural enclosures (1882), 6,433, with a population of 12,543, of whom 5,088 were actively engaged on the farms. Of these enclosures 3,609 were less than 1 hectare each; 2,211 ranged from 1 to less than 10; 607 from 10 to less than 100 hectares; while only 6 had an area of 100 hectares and upwards.

The State has 15 miles of railway.

*British Consul-General.*—Hon. Charles S. Dundas (Hamburg).

#### OFFICIAL PUBLICATION.

Schaumburg-Lippische Landesanzeigen bezw. Landesverordnungen.

## SCHWARZBURG-RUDOLSTADT.

(FÜRSTENTHUM SCHWARZBURG-RUDOLSTADT.)

### Reigning Prince.

**Günther**, born August 21, 1852, succeeded his cousin Prince Georg, Jan. 19, 1890; married December 10, 1891, to Princess Anna Luise of Schönburg-Waldenburg.

The Schwarzburg-Rudolstadt line is a younger branch of the house of Schwarzburg, being descended from Albert VII., 1605, who died in the middle of the seventeenth century. The present sovereign has a civil list of 291,817 marks. The State domains are the property of the reigning family.

### Constitution and Finance.

The fundamental law of the Principality is the Constitution of March 21, 1854, modified November 16, 1870. For all legislative measures the Prince has to obtain the consent of a Chamber of Representatives of sixteen members, four of whom are elected by the highest assessed inhabitants, and the rest returned by the general population. The deputies are elected for three years.

There are triennial budgets. For the period 1891-93 the annual public income and expenditure were settled at 2,542,950 marks each. There is a public debt of 3,910,000 marks, half of which is covered by productive investments.

### Area and Population.

The Principality has an area of 363 English square miles, and, in 1890, the population was 85,863 (41,570 males, and 44,293 females). Population per square mile 236.5. The population is Protestant, there being (1890) only 397 Catholics, 43 other Christians, and 71 Jews. Rudolstadt, the capital, has 11,398 inhabitants. In 1892 there were 676 marriages, 3,069 births, and 1,912 deaths; surplus of births, 1,157. Of the births, 95 (3.1 per cent.) were stillborn, and 318 (10.4 per cent.) illegitimate. Emigrants in 1889, 91; 1890, 94; 1891, 116; 1892, 239; 1893, 88. In 1892 there were 883 convictions for crime. In 1885 847 paupers were relieved, the number of dependants of paupers being 722.

### Agriculture.

On June 5, 1882, there were in the Principality 12,503 farms, as follows: under 1 hectare, 6,541; 1-10 hectares, 4,957; 10-100 hectares, 966; over 100 hectares, 21. In 1892 the cultivated area and produce were as follows:—

Crop	Hectares	1,000 kilog.	Crop	Hectares	1,000 kilog.
Rye ... ..	7,163	9,335	Potatoes ...	5,524	64,133
Wheat ... ..	2,884	4,438	Oats ... ..	4,891	5,475
Barley ... ..	3,767	5,581	Hay ... ..	7,482	19,562

There are (1893) 24 miles of railway.

*British Consul-General.*—J. L. Schwabach (Berlin).

## SCHWARZBURG-SONDERSHAUSEN.

(FÜRSTENTHUM SCHWARZBURG-SONDERSHAUSEN.)

### Reigning Prince.

**Karl Günther**, born August 7, 1830; succeeded his father, Prince Günther Friedrich Carl II., July 17, 1880; married, June 12, 1869, to Princess *Marie* of Saxe-Altenburg, born June 28, 1845.

*Brother and Sister of the Prince.*—I. Prince *Leopold*, born July 2, 1832. II. Princess *Marie*, born June 14, 1837.

The princes of the house of Schwarzburg belong to a very ancient and wealthy family. The small territory of the house was left undisturbed at the Congress of Vienna. The civil list of the Prince of Schwarzburg-Sondershausen amounts to 500,000 marks, being nearly one fourth of the revenue of the country. The Prince is, moreover, in possession of a very large income from private estates in Bohemia and Mecklenburg.

### Constitution and Finance.

The Principality has a Constitution, granted July 8, 1857, under which restricted legislative rights are given to a Diet composed of fifteen members, five of whom are appointed by the Prince, five elected by certain highly-taxed landowners and others, and five elected by the inhabitants in general. The sole executive and part of the legislative power is in the hands of the Prince, who exercises his authority through a Government divided into five departments.

The budget accounts are settled for the term of four years. In the period 1892-95 the annual revenue was estimated to amount to 2,764,455 marks, and the annual expenditure to the same. There is a public debt (1893) of 2,723,444 marks.

### Area and Population.

The area of the Principality is 333 English square miles, and the population in 1890 was 75,510 (36,674 males, and 38,836 females), 163 being foreigners. Population per square mile 226·7. Of the total, 74,615 were Protestant, 636 Catholic, and 228 Jews. The chief towns, Sondershausen and Arnstadt, had respectively 6,634 and 12,818 inhabitants in 1890. In 1892 there were 569 marriages, 2,517 births, 1,647 deaths; surplus of births, 870. Of the births, 74 (2·9 per cent.) were stillborn, and 244 (9·7 per cent.) illegitimate. Emigrants: 1889, 73; 1890, 118; 1891, 61; 1892, 52. In 1892 there were 634 criminals convicted. In 1885 there were 796 paupers relieved, the dependants of the paupers numbering 586.

**Agriculture.**

In 1882 there were in the Principality 11,137 separate farms, as follows: under 1 hectare, 4,818; 1-10 hectares, 5,151; 10-100 hectares, 1,130; over 100 hectares, 38. The agricultural population in that year was 27,958. In 1892 the cultivated area and produce were as follows:—

Crop	Hectares	1,000 kilog.	Crop	Hectares	1,000 kilog.
Rye ... ..	5,304	7,750	Potatoes ...	4,622	46,398
Wheat ... ..	6,105	10,154	Oats ... ..	7,647	10,194
Barley ... ..	5,122	8,448	Hay ... ..	3,904	9,720

There are 49 miles of railway.

**WALDECK.**

(FÜRSTENTHUM WALDECK.)

**Reigning Prince.**

**Friedrich**, born January 20, 1865; the son of Prince George Victor and Princess Helena of Nassau; succeeded to the throne at the death of his father, May 12, 1893. Brothers and sisters of the reigning prince are:—I. Princess *Pauline*, born October 19, 1855; married, May 7, 1881, to the Hereditary Prince Alexis of Bentheim-Bentheim. II. Princess *Emma*, born August 2, 1858; married, January 7, 1879, King Willem III. of the Netherlands; widow, November 20, 1890. III. Princess *Helena*, born February 17, 1861; married, April 27, 1882, to Prince Leopold, Duke of Albany, son of Victoria, Queen of Great Britain; widow March 28, 1884. IV. Princess *Elizabeth*, born September 6, 1873. V. Prince *Wolrad-Friedrich* (brother on the father's side), born June 22, 1892.

After the war between Austria and Prussia, at the end of 1866, a 'Treaty of Accession' was signed by the Prince on July 18, 1867, by which he surrendered his chief sovereign rights to King Wilhelm I. for ten years, retaining merely nominal power, and renewed November 24, 1877, till January 1, 1888. A Treaty, made March 2, 1887, continued the arrangement for the future, making it terminable on notice given.

**Constitution and Finance.**

The charter of the Principality was granted August 17, 1852. It provided for a legislative assembly of forty-one members, but this number is now reduced to fifteen, with authority restricted to purely local affairs. In terms of the 'Treaty of Accession' all public officials are appointed by the King of Prussia, and take the oath of fidelity to him. Prussia also manages the finances of the Principality.

	1893	1894	1895
	Marks	Marks	Marks
Estimated Revenue	1,312,272	1,262,112	1,261,952

The expenditure is estimated at exactly equal to the revenue.

The debt on July 1, 1894, was 2,130,300 marks

### Area and Population.

The Principality has an area of 433 English square miles.

It is thus divided for administrative purposes into circles:—*Waldeck*: Twiste, population, 16,583; Eisenberge, population, 17,683; Eder, population, 14,913; *Pyrmont*: population, 8,102—total, 57,281.

Of the population in 1890, 27,432 were males, and 29,849 females—*i.e.*, 108·8 females per 100 males.

In 1885 the inhabitants numbered 56,575; in 1880, 56,522; in 1871, 56,224. Marriages, 1892, 400; births, 1,798 (70, or 3·9 per cent., stillborn, and 108, or 6·0 per cent., illegitimate); deaths, 1,199; surplus, 599. Emigrants, 1886, 100; 1887, 91; 1888, 91; 1889, 99; 1890, 83; 1891, 85; 1892, 70. Except 1,658 Catholics and 753 Jews, the people are Protestants. The residence town, Arolsen, has 2,620 inhabitants.

On June 5, 1882, the number of separate agricultural tenements was as follows:—

Below 1 Hect.	1-10 Hect.	10-100 Hect.	Over 100 Hect.	Total.
3,743	4,088	1,590	34	9,455

These farms supported 30,378 persons, of whom 11,539 were actively engaged in agriculture. Railways, 6 miles.

*British Chargé d'Affaires*.—Sir A. C. Stephen, K.C.M.G., C.B.

*Consul-General*.—Hon. C. S. Dundas (Hamburg).

#### Reference.

Waldeckischer Landes-Kalender auf das Jahr. 1895. Mengerlinghausen. 1894.

## WÜRTTEMBERG.

(KÖNIGREICH WÜRTTEMBERG.)

### Reigning King.

**Wilhelm II.**, King of Württemberg, born February 25, 1848; son of the late Prince Friedrich of Württemberg (cousin of the late king Karl I.) and Princess Katharine of Württemberg (sister of the late king); ascended the throne on the death of Karl I., October 6, 1891. Married (1), February 15, 1877, to Princess *Marie* of Waldeck-Pyrmont, who died April 30, 1882; issue of this union, Princess *Pauline*, born December 19, 1877; (2), April 8, 1886, Princess *Charlotte* of Schaumburg-Lippe, born October 10, 1864.

#### *Aunt of the King.*

Princess *Augusta*, born October 4, 1826; married June 17, 1851, to Prince Hermann of Saxe-Weimar; issue:—1. Princess Pauline, born July 25, 1852. 2. Wilhelm, born December 31, 1853. 3. Prince Bernard, born October 10, 1855. 4. Prince Alexander, born June 22, 1857. 5. Prince Ernest, born August 9, 1859. 6. Princess Olga, born September 8, 1869.

The former Duchy and Electorate of Württemberg was erected into a Kingdom by the Peace of Pressburg, 1805, and by a decree of January 1, 1806. The civil list of the king amounts to 2,014,203 marks, or 100,710*l.*, with additional grants of 142,306 marks, or 7,115*l.*, for the other members of the royal family.

### Constitution and Government.

Württemberg is a constitutional hereditary Monarchy, the Constitution of which bears date September 25, 1819. It vests certain powers in the Landstände, or two 'Estates' of the realm, called together every three years, or oftener if necessary. The Upper Chamber, or House of Standesherrn, is com-

posed of the princes of the royal family, of the heads of twenty mediatised houses which were before 1806 endowed with votes in the Imperial Diet, and number of members nominated by the king hereditarily or for life, which number, however, must not exceed one-third of that of the two other categories (there are now eight, two hereditary). The Second Chamber, or House of Deputies (Abgeordneten), consists of thirteen members of the nobility, elected by the Ritterschaft (Equestrian Order) of the Kingdom: six dignitaries of the Evangelical clergy; three dignitaries of the Catholic clergy; the chancellor of the University of Tübingen; seven deputies of towns ('gute Städte'), and sixty-three of districts ('Oberämter'), elected by all citizens over twenty-five years of age by secret ballot. All the members of the Second Chamber are chosen for six years, and they must be thirty years of age; property qualification is not necessary. The president of the Upper Chamber is appointed by the king, the vice-president is elected by the Chamber from among the hereditary members; the president and vice-president of the Second Chamber are both elected by the deputies. The debates of both Chambers are public. Whenever the Chambers are not sitting they are represented by a committee of twelve persons, consisting of the presidents of both Chambers, two members of the Upper, and eight of the Lower House. A special court of justice, called the Staats-Gerichtshof, is appointed guardian of the Constitution. It is composed of a president and twelve members, six of whom, together with the president, are nominated by the king, while the other six are elected by the combined Chambers. Members of both Chambers receive an allowance of 9s. 2d. a day during the session and travelling expenses, but to hereditary members of the Upper Chamber payment is made on application only.

The executive of the Kingdom is a Ministry of State composed of six ministerial departments. The heads of the six departments are the Ministers of Justice; of Foreign Affairs and the Royal House, to whose province belongs also the administration of the State railways, posts, and telegraphs; of the Interior; of Public Education and Ecclesiastical Affairs; of War; and of Finance. There is also a Privy Council, of which the Ministers are members, and which the sovereign has a right to consult on all occasions.

For administrative purposes the country is divided into 4 circles (Kreise), 64 districts (Oberämter), and 1,910 communes (Gemeinden).

### Area and Population.

Württemberg has an area of 7,528 English square miles.

The following table shows the area and population of the whole and of each of the four 'circles' (Kreise):—

Kreise	Area in Sq. Miles	Population		Density per Sq. Mile
		1885	1890	
Neckar . . . . .	1,284	639,398	665,049	518·0
Black Forest (Schwarz- wald). . . . .	1,842	475,277	481,334	261·3
Jagst . . . . .	1,983	405,085	402,991	203·2
Danube (Donau) . . . . .	2,419	475,425	487,148	201·4
Total . . . . .	7,528	1,995,185	2,036,522	270·5

The increase of population between 1885 and 1890, amounting on the whole to only 0·41 per cent. per annum, varied greatly in the four circles of the

Kingdom. Between 1885 and 1890 there was an increase of 25,651 in the Neckar circle, but a decrease of 2,094 in the Jagst circle. The total increase in the Kingdom during the fifty years from 1840 to 1890 was very slight, and at one period, from 1849 to 1855, there was a decline of population.

Of the total population in 1890, 790,149, or 38·8 per cent., live in towns of 2,000 inhabitants and upwards, and 1,246,373, or 61·2 per cent., in rural communes.

In 1890 the population included 981,844 males and 1,054,678 females.

The division of the population according to occupation is shown in the table on p. 536. In 1890 the number of foreigners was 12,226.

The movement of the population for five years was:—

Year	Marriages	Total Births	Stillborn	Illegitimate	Total Deaths	Surplus of Births
1889	13,578	70,458	2,422	7,060	54,402	16,056
1890	13,747	69,089	2,309	6,911	51,571	17,518
1891	14,274	72,489	2,368	7,321	52,368	20,121
1892	14,169	71,826	2,419	7,494	54,346	17,480
1893	13,994	73,091	2,359	7,526	56,303	16,788

The emigration from Württemberg, chiefly to the United States of America, was as follows for eight years:—

1886	1887	1888	1889	1890	1891	1892	1893
3,717	6,018	6,445	5,629	5,987	6,182	5,728	5,401

The population in 1890 of the eight largest towns was as follows:—

Stuttgart	139,817	Cannstatt	20,265
Ulm	36,191	Reutlingen	18,542
Heilbronn	29,941	Ludwigsburg	17,418
Esslingen	22,234	Gmünd	16,817

### Religion.

The various creeds were distributed as follows at the last religious census, 1890:—

Creed	Numbers	Per Cent. of Population
Evangelicals	1,406,648	69·1
Roman Catholics	609,594	29·9
Other Christians	7,451	0·37
Jews	12,639	0·62
Others	190	0·01

The administration of the Evangelical Church is in the hands of a consistorium of one president, nine councillors, and six general superintendents, at Ludwigsburg, Heilbronn, Reutlingen, Tübingen, Hall, and Ulm. In the king is vested, according to the Constitution, the supreme direction as well as the guardianship—'obersthoheitliche Schutz und Aufsichtsrecht'—of the Evangelical Protestant Church. The Roman Catholics, most numerous in the southern part of the Kingdom, comprising the circle of the Danube, are under

a bishop, who has his seat at Rottenburg, but who, in all important matters, has to act in conjunction with a Catholic church-council—Kirchenrath—appointed by the Government. The Jews likewise are under a special council (Oberkirchenbehörde), nominated by the king on the proposition of the Minister of Ecclesiastical Affairs.

### Instruction.

Education is compulsory in Württemberg, and there must be one public school or more in every commune. According to recent official returns, there is not an individual in the kingdom, above the age of ten, unable to read and write. There are 2,298 elementary public schools with (1892) 4,686 teachers, attended by 312,935 pupils; 79 Realschulen with 8,964 pupils; 68 grammar schools; 18 classical colleges (gymnasias), of which 4 are training colleges for the Protestant clergy, and 6 lyceums, having (1893) together 8,138 scholars. The whole educational system is completed by the University of Tübingen (founded in 1477). There are, besides, the Technical University (Polytechnicum) at Stuttgart, and several agricultural and other special institutes. The funds appropriated by the State to educational purposes amounted in 1892-93 to 6.1 million marks, not including the sums bestowed on public schools by the parishes or out of the revenue of foundations.

### Crime and Pauperism.

In Württemberg there is one Oberlandesgericht at Stuttgart (see *German Empire*, p. 541). In 1892, 14,526 persons were convicted of crimes, i.e. 100.3 per 100,000 of the population over 12 years of age. In 1891 the number of convictions was 12,694. In 1885, 37,795 persons, with 25,525 dependants (in all 3.17 per cent. of the population), received public poor relief.

### Finance.

The final revenue and expenditure for the financial year 1891-92 showed a deficit of 923,602 marks. The estimated revenue for 1891-92 was 64,941,080 marks; estimated expenditure, 1891-92, 65,648,603 marks. The estimated revenue and expenditure for two years ending March 31, 1895, are as follows:—

Sources of Revenue	1893-94	1894-95
	Marks	Marks
Forests, Farms, Mines, Metal and Salt Works	7,696,498	7,696,498
Commercial Revenues—Railway: net receipts	13,006,995	13,242,572
Post Office, Telegraph, Steamers	1,589,790	1,883,214
Miscellaneous	791,743	600,000
Direct Taxes—on Lands, Rents, Buildings, Trades	8,148,960	9,092,000
Income Tax	5,498,415	6,127,453
Indirect Taxes—Excise	1,756,000	1,756,000
Dog Tax	199,100	199,100
Tax on Taverns	9,330,620	9,330,620
Duties on Successions, &c.	2,850,000	2,850,000
German Empire:—Quotas from Customs, &c.	14,388,830	14,388,830
Total Revenue	65,256,951	67,166,287

Branches of Expenditure	1893-94	1894-95
	Marks	Marks
Civil List . . . . .	2,014,203	2,014,203
Appanages and Dowries . . . . .	142,306	142,306
National Debt—Interest and Sinking Fund . . . . .	19,597,633	20,380,029
Annuities and Compensations . . . . .	338,551	301,039
Pensions—Ecclesiastical, Civil, and Military . . . . .	2,465,500	2,527,000
Others . . . . .	539,909	549,909
Ministry of Justice . . . . .	4,121,178	4,121,178
Foreign Affairs . . . . .	186,498	164,898
the Interior . . . . .	7,285,815	7,172,824
Worship and Education . . . . .	10,547,308	10,538,685
Finance . . . . .	3,514,732	3,514,732
Parliament, Expenses of . . . . .	372,838	373,659
Reserve Fund . . . . .	70,000	70,000
German Empire—Matricular contribution to Postage . . . . .	15,584,229	16,839,000
	420,000	420,000
<b>Total Expenditure . . . . .</b>	<b>67,200,700</b>	<b>69,129,462</b>

The capital of the public debt was estimated to amount to 446,626,057 marks on April 1, 1893, of which the bulk bears interest at 4 per cent. The debt of the Kingdom is divided into two portions—namely, the general debt and the railway debt. The latter, forming by far the largest portion of the total, amounted to 405,241,973 marks on April 1, 1893. The total debt amounts to about 219 marks, or £11 per head of the population, and the charge (interest and sinking fund) for 1893-94 to 19,873,633 marks, or about 10/- per head. The net income of the railways, all expenses deducted, amounts to (1891-92) 11,377,442 marks, covering 60 per cent. of the interest charge of the whole public debt, and nearly 68 per cent. of the interest charge of the railway debt alone.

### Army.

The total strength of the Württemberg corps d'armée (the 13th of Germany) had on the peace footing, 1893-94, 23,005 men, 4,190 horses, and 132 guns. In 1893-94 there were 9,850 recruits.

### Industry.

Württemberg is primarily an agricultural State, and 4,720 square miles, or about two-thirds of the entire area, are under cultivation, and about three-tenths under forest. On June 5, 1882, the total number of agricultural tenements, each cultivated by one household, was as follows:—

Under 1 Hectare	Between 1 and 10 Hectares	Between 10 and 100 Hectares	Above 100 Hectares	Total
110,086	172,412	25,479	141	308,118



These farms supported 923,252 persons, of whom 387,454 were actively engaged upon them.

The areas under the principal crops (in hectares), and the yield (in metric tons) per hectare in 1893-94, and the average annual yield for 1878-87 are as follows :—

—	1893-94		Average Yield, 1878-87	—	1893-94		Average Yield, 1878-87
	Hectares	Yield per hect.			Hectares	Yield per hect.	
Wheat .	32,121	1·21	1·28	Potatoes .	89,710	12·36	8·42
Rye .	38,090	1·22	1·13	Hay .	289,244	1·88	4·17
Barley .	99,388	1·29	1·43	Clover, etc.	110,850	1·91	5·0
Oats .	134,802	0·93	1·22	Hops .	5,552	0·23	0·61
Spelt .	181,944	1·06	1·08				

In 1893-94 vines occupied 17,256 hectares, and yielded 276,181 hectolitres of wine.

In 1892-93 were produced 3,749,472 hectolitres of beer. The total value of the minerals raised in the kingdom in 1892 was 1,017,366 marks.

In 1892-3, there were in Württemberg 1,054 miles of railway, all, except 10 miles, the property of the State, which owns, moreover, 106 miles in neighbouring States.

*British Minister.*—Victor A. W. Drummond (residing at Munich).

*Consul at Stuttgart.*—Albert v. Kaulla.

### References.

The following publications of the Royal Statistical Landesamt, Stuttgart: Württembergische Jahrbuch für Statistik und Landeskunde. Oberamtsbeschreibung, neue Folge. Veröffentlichungen des K. Statistischen Landesamts im Staatsanzeiger für Württemberg. Topographischer Atlas des Königreichs Württemberg.

## GREECE.

(KINGDOM OF THE HELLENES.)

### Reigning King.

**Georgios I.**, born December 24, 1845, the second son (Wilhelm) of Prince Christian of Schleswig-Holstein-Sonderburg-Glücksburg, present King of Denmark; elected King of the Hellenes by the National Assembly at Athens, March 18 (30), 1863; accepted the crown, through his father the King of Denmark, acting as his guardian, June 4, 1863; declared of age by decree of the National Assembly, June 27, 1863; landed in Greece November 2, 1863; married, October 27, 1867, to Queen

*Olga*, born August 22 (September 3), 1851, the eldest daughter of Grand-duke Constantine of Russia, brother of the late Emperor Alexander II.

*Children of the King.*

I. Prince *Konstantinos*, Duke of Sparta, heir-apparent, born August 2, 1868; married October 27, 1889, to Princess Sophia, Princess of Prussia. Offspring:—1. Prince *Georgios*, born July 19, 1890. 2. Prince *Alexander*, born August 1, 1893. II. Prince *Georgios*, born June 24, 1869. III. Prince *Nicolaos*, born January 21, 1872. IV. Princess *Maria*, born March 3, 1876. V. Prince *Andreas*, born February 1, 1882. VI. Prince *Christophoros*, born August 10, 1888.

By decision of the Greek National Assembly of May 15, 1863, a civil list of 1,125,000 drachmai was settled on King Georgios I., to which the Governments of Great Britain, France, and Russia added 4,000*l.* each, making the total income of the sovereign of Greece about 52,000*l.* per annum. An annuity of 200,000 drachmai is allowed to the heir-apparent since he came of age in August 1886.

Greece, a province of the Turkish Empire since the commencement of the 16th century, gained its independence in the insurrection of 1821–29, and by the Protocol of London, of February 3, 1830, was declared a kingdom, under the protection of Great Britain, France, and Russia. Prince Leopold of Saxe-Coburg having declined the crown of Greece, on the ground that the boundaries proposed were insufficient, and especially excluded the island of Crete, it was offered to, and accepted by, Prince Otto of Bavaria, who ascended the throne January 25, 1833, being under the age of eighteen. He was expelled the Kingdom, after a reign of 29 years, in October, 1862, which event was followed by the election, under the directing guidance of the three protecting Powers, of the present sovereign.

The King, according to Art. 49 of the Constitution of 1864, attains his majority upon completing his eighteenth year. Before he ascends the throne, he must take the oath to the Constitution in the presence of the ministers, the sacred synod, the deputies then in the metropolis, and the higher officials of the realm. Within two months at the most the King must convoke the Legislature. If the successor to the throne is either a minor or absent at the time of the King's decease, and no Regent has been appointed, the Legislative Chamber has to assemble of its own accord within ten days after the occurrence of that event. The constitutional royal authority in this case has to be exercised by the ministerial council, until the choice of a Regent, or the arrival of the successor to the throne. The present sovereign is allowed, by special exception, to adhere to the religion in which he was educated, the Protestant Lutheran faith, but his heirs and successors must be members of the Greek Orthodox Church.

### Constitution and Government.

The Constitution of Greece, adopted October 29, 1864, vests the whole legislative power in a single chamber, called the Boulé, consisting of 207 representatives, elected by manhood suffrage for the term of four years. Representatives must be at least 30 years of age, and electors 21. The elections take place by ballot, and each candidate must be put in nomination by the requisition of at least one-thirtieth of the voters of an electoral district. At the election of 1881 there were 460,163 voters on the list, being 1 voter in every 4·3 of the population; the number who voted was 306,957, or 66 per cent. of the voters. The Boulé must meet annually for not less than three, nor more than six months. No sitting is valid unless at least one-half of the members of the Assembly are present, and no bill can pass into law without an absolute majority of members. Every measure, before being adopted, must be discussed and voted, article by article, thrice, and on three separate days. But the Legislative Assembly has no power to alter the Constitution itself; particular provisions may be reviewed after the lapse of ten years, with the exception of 'fundamental principles.' The Chamber of Deputies, unless specially convoked at an earlier date, for extraordinary occasions, must meet on November 1 (old style) of every year. The deputies are paid 2,000 old drachmai (equal to 1,800 new drachmai, or 72*l.*) each per session; for an extra session the allowance varies according to its length from 20*l.* to 72*l.*

The Ministry as constituted January 24, 1895, is as follows:—

President of the Council, Minister of Foreign Affairs and (*ad interim*) of the Interior.—M. Nicholas *Delyannis*.

Minister of Education and Ecclesiastical Affairs.—M. Angelos *Vlachos*.

Minister of Finance.—M. *Kelseas*.

Minister of Justice.—M. *Aravantinos*.

Minister of Marine.—Captain *Kriezis*.

Minister of War.—Colonel *Papadiamantopoulos*.

Minister of Public Instruction.—M. *Angelos*.

### Area and Population.

Greece, at the census of 1889, had a total population of 2,187,208—1,133,625 males and 1,053,583 females—living on an area of 25,041 English square miles. The territory detached from Turkey, consisting of most of Thessaly and a strip of Epirus, was added to Greece by a treaty with Turkey, executed—under pressure of the Great Powers—June 14, 1881. The Kingdom, excluding these, is divided into 17 nomarchies. In 1879 and 1889 the area and population were as follows:—

Nomarchies (Provinces)	Area : English square miles	Population 1879 <sup>1</sup>	Population 1889	Pop. per sq. mile, 1889
<b>NORTHERN GREECE :—</b>				
Attica and Bœotia . . . . .	2,472	185,364	257,764	104
Phocis and Phthiotis . . . . .	2,044	128,440	136,470	67
Acarmania and Ætolia . . . . .	3,013	138,444	162,020	34
<b>PELOPONNESUS :—</b>				
Argolis and Corinth . . . . .	1,442	136,081	144,836	100
Achaia and Elis . . . . .	1,901	181,632	210,713	111
Arcadia . . . . .	2,020	148,905	148,285	73
Messenia . . . . .	1,221	155,760	183,232	150
Laconia . . . . .	1,679	121,116	126,888	75
<b>ISLANDS :—</b>				
Eubœa and Sporades . . . . .	2,216	95,136	103,442	47
Cyclades . . . . .	923	132,020	131,508	142
Corfu . . . . .	431	106,109	114,535	266
Zanthe (Zakynthos) . . . . .	277	44,522	44,070	160
Cephalonia (Kephallonia) . . . . .	302	80,543	80,178	265
Soldiers and seamen . . . . .	—	95,703	—	—
<b>THESSALY :—</b>				
Arta . . . . .	395	31,178	32,890	83
Trikalla . . . . .	2,200	117,109	143,143	65
Larissa . . . . .	2,478	145,706	168,034	68
Natives abroad . . . . .	—	5,685	—	—
Total . . . . .	25,041	1,979,453	2,187,208	87

<sup>1</sup> Thessaly, 1881.

The increase of the population of Greece from 1870 to 1879 was at the rate of 1·87, and from 1879 to 1889 1·05 per cent. per annum.

The number of foreigners living in Greece in 1879 was 31,969, of whom 23,133 were Turks, 3,104 Italians, 2,187 English, 534 French, 364 Austrians, 314 Germans, 101 Russians.

The male population in 1889 according to occupation was as follows :—Agricultural and pastoral, 444,096; artisans, 64,211; traders and their employes, 117,979; workmen and servants, 31,321; professions, 15,735; officials, 12,109; clergy, 10,059; defence, 34,624.

From a linguistic point of view, at least, the nationality of Greece is Hellenic. Most of the Albanians who have, at various dates during the last 400 years, migrated into Greece, have become Hellenised. At present there are not more than 90,000 or 100,000 of distinct Albanian nationality in the whole of Greece. These are scattered in small communities chiefly over Attica; northwards as far as Thebes; then across the Isthmus of Corinth, throughout the ancient Argolis, in the southern districts of Eubœa, and a few of the neighbouring isles. On the other hand, there are large numbers of Greeks in the Ottoman Empire, raising the whole Greek nationality to over 8,000,000, as under :—Greece, about 2,200,000; Asia Minor, 2,000,000; Crete, Cyprus, and other Ottoman islands, 400,000; European Turkey, 3,500,000; total, 8,100,000.

The following table shows the number of births, deaths, and marriages,

with surplus of births over deaths, in years from 1881 to 1890, the recently annexed provinces being included only in the years 1889 and 1890 :—

Year	Births	Deaths	Marriages	Surplus of Births over Deaths
1881	41,689	32,195	7,843	9,494
1882	43,157	32,194	11,186	10,963
1884	57,995	35,899	13,657	22,096
1889	74,666	53,512	18,558	21,154
1890	78,226	55,813	19,899	22,413

The principal towns are the following, with populations, 1889 :—

Athens . . . . .	107,251	Corfu . . . . .	19,025	Pyrgos . . . . .	12,647
Piræus . . . . .	34,237	Zante . . . . .	16,603	Tripolitsa . . . . .	10,698
Patras . . . . .	33,529	Trikala . . . . .	14,820	Calamata . . . . .	10,696
Syra . . . . .	30,208	Larissa . . . . .	13,610	Argos . . . . .	9,814

### Religion.

The great majority of the inhabitants of the Kingdom are adherents of the Greek Orthodox Church. Before the census of 1889 there were 1,902,800 belonging to the Greek Orthodox Church ; 14,677 other Christians, mainly Roman Catholics ; 5,792 Jews ; and 24,165 Mohammedans. By the terms of the Constitution of 1864, the Greek Orthodox Church is declared the religion of the State, but complete toleration and liberty of worship is guaranteed to all other sects. Nominally, the Greek clergy owe allegiance to the Patriarch of Constantinople, though he now exercises no governing authority ; he is elected by the votes of the bishops and optimates subject to the Sultan ; his jurisdiction extends over Thrace and other countries, including Bosnia, as well as the greater part of Asia Minor. The real ecclesiastical authority, formerly exercised by him in Greece, was annulled by the resolutions of a National Synod, held at Nauplia in 1833, which vested the government of the Orthodox Church, within the limits of the Kingdom, in a permanent council, called the Holy Synod, consisting of the Metropolitan of Athens and four archbishops and bishops, who must during their year of office reside at the seat of the executive. The Orthodox Church has nine archbishops and eight bishops in Northern Greece ; six archbishops and six bishops in the Peloponnesus ; one archbishop and five bishops in the islands of the Greek Archipelago ; and five archbishops and ten bishops in the Ionian Islands. There are 161 monasteries and nunneries, with 2,620 monks and 485 nuns.

### Instruction.

All children between the ages of five and twelve years must attend school, but the law is not well enforced in country districts. Of the army recruits 30 per cent. are illiterate, and 15 per cent. can read only.

There are (1892) 2,745 primary schools, 295 secondary schools and a university. The total number of teachers is 3,680, and of pupils, 139,385, of whom 22,100 are females. The average number of students who pass the university examinations is 440.

### Finance.

The public revenue and expenditure of the Kingdom were as follows in the years from 1885 to 1892, according to official returns :—

Year	Revenue			Expenditure
	Ordinary	Extraordinary	Total	
	Drachmai	Drachmai	Drachmai	Drachmai
1885	61,110,128	316,901	61,427,029	127,677,749
1886	63,103,542	32,464,426	95,567,968	131,295,723
1887	82,558,371	93,360,420	175,910,791	92,951,915
1888	89,445,986	4,119,822	93,565,808	108,975,436
1889	83,269,911	99,300,373	182,570,284	107,317,616
1890	79,548,045	43,224,000	122,772,045	129,358,573
1891	89,725,769	12,900,000	102,625,769	125,106,600
1892	94,882,884	10,999,890.	105,882,774	107,679,604

For 1893 the budget estimate of revenue was 111,701,939 drachmai, and of expenditure 105,701,939 drachmai. For 1894 the estimates were as follows :—

Sources of Revenue	Drachmai	Branches of Expenditure	Drachmai
Direct taxes . . . . .	18,236,900	Public debt . . . . .	21,999,083
Customs . . . . .	18,000,000	Pensions, Allowances . . . . .	5,270,494
Excise . . . . .	6,218,400	Civil List . . . . .	1,325,000
Stamps . . . . .	12,477,067	Chamber of Deputies . . . . .	496,561
Posts and Telegraphs . . . . .	2,937,000	Ministries :—	
Dues, Fines, &c. . . . .	4,309,672	Foreign Affairs . . . . .	2,001,522
Monopolies . . . . .	11,027,000	Justice . . . . .	5,393,564
State property . . . . .	3,535,796	Interior . . . . .	10,209,689
Sales . . . . .	1,320,119	Worship and Instruction . . . . .	7,359,521
Repayments . . . . .	1,177,915	Army . . . . .	14,761,946
Arrears . . . . .	5,898,600	Marine . . . . .	5,303,611
Elementary instruction . . . . .	1,961,200	Finance . . . . .	2,456,556
Communal police, &c. . . . .	1,650,000	Administration . . . . .	8,902,661
		Various . . . . .	2,213,000
Total . . . . .	88,729,669	Total . . . . .	81,693,158

On March 31, 1894, the outstanding public debt of Greece was as follows:—

Date of Loan	Description of Loan	Amount Outstanding	
		Drachmai Gold	Drachmai Paper
	<b>Amortisable:—</b>		
1838	Advances by the three Powers . . . . .	71,521,012	—
1868	Debt to King Otho's heirs . . . . .	—	2,365,763
1885	Patriotic Loan (no interest) . . . . .	—	2,508,840
1880	Sinking-fund Loan . . . . .	104,370,000	—
1884	„ „ „ . . . . .	91,350,000	—
1887	„ „ „ . . . . .	133,045,000	—
1887	„ „ „ . . . . .	—	14,795,000
1890	Railway Loan . . . . .	59,907,500	—
1892	Sinking-fund Loan (gold) . . . . .	(paper, 1893)	15,902,000
1893	Funding Loan . . . . .	15,000,000	—
	<b>Total amortisable . . . . .</b>	<b>471,693,512</b>	<b>35,571,603</b>
	<b>Consolidated:—</b>		
1874	Consolidated Balance of Loan . . . . .	—	20,303,500
1876	„ „ „ . . . . .	—	886,250
1878	„ „ „ (roads) . . . . .	—	1,758,857
1880	„ „ „ . . . . .	—	8,900,000
1889	„ „ „ Loan . . . . .	30,000,000	—
1889	„ „ „ . . . . .	125,000,000	—
	<b>Total consolidated . . . . .</b>	<b>155,000,000</b>	<b>31,848,607</b>
	Forced Currency Debt . . . . .	16,800,000	102,000,000
	Floating Debt . . . . .	14,159,735	—
	<b>Total debt. . . . .</b>	<b>657,653,247</b>	<b>169,420,210</b>

The amount voted for payment of interest and amortisation in 1893 was 30,666,987 drachmai gold and 3,873,953 drachmai paper, besides a special credit of 8,849,039 drachmai paper for financial operations. By the Budget Act which was promulgated March 19, 1894, provision was made for the payment of only 30 per cent. of the interest due on gold loans; and amortisation of these loans, where it had been in progress, was suspended.

The total indebtedness per head of population in 1894 was about 13*l.* 4*s.*; and the normal annual charge for interest and amortisation would be about 15*s.* 10*d.* per head.

Municipal taxation is limited to 2½ per cent. on Government direct taxation, and an octroi of 2 per cent. on articles of consumption calculated on a Government valuation.

The municipal revenues amount to 17,180,802 drachmai, and the debts to 19,164,264 drachmai.

## Defence.

## I. ARMY.

There is universal liability to service on all able-bodied males aged 21 years and upwards. The total service is for 19 years, of which 2 years (with considerable terms of leave) must be passed with the colours, 8 and 7 years in the reserve, and the remainder in the militia or Landwehr.

The nominal strength of the army in 1894 was:—

Branches of the Military Service	Officers	Non-commissioned Officers	Total
War Office . . . . .	204	36	240
Infantry . . . . .	857	15,182	16,039
Cavalry . . . . .	93	1,053	1,146
Artillery . . . . .	222	2,065	2,287
Engineers . . . . .	101	1,112	1,213
General Services . . . . .	206	295	501
Military Schools . . . . .	54	168	222
Gendarmerie . . . . .	143	3,086	3,229
Total . . . . .	1,880	22,997	24,877

There were at the same time 3,739 horses and mules, and 120 guns.

By the terms of a law passed by the Boulé in the session of 1887, the numerical strength of the army on the peace footing was fixed at 24,076 men, comprising 16,136 infantry, 4,877 cavalry, and 3,063 artillerymen and engineers. On the war footing, the strength could be mobilised to 100,000 men. The reserve forces alone give a total of 104,500 men, and behind these is what is called the territorial army, numbering 146,000 men.

## II. NAVY.

The navy consists of five armour-clad vessels. Of these the oldest (1867 and 1869) are the *Basiliscus Georgios* (1,770 tons), carrying two 10-ton Krupp guns on the upper deck, with 4 light and 2 machine guns, speed 12 knots; and a wooden vessel, the *Basilissa Olya* (2,060 tons), carrying four 5½-ton and two 3½-ton Krupp guns, speed 10 knots. The steel-built *Hydra* (4,885 tons), and her sister-ships the *Spetsai* and *Psurà*, were built in France in 1889–90. Each is protected by an over-all steel belt of 11·8 in. at the water-line, above which is another belt 2·9 in. thick. Each carries three 10·6 in. and four 5·9 in. Canet guns, besides seven 6 pdr. quick-firers, and 18 other small and machine guns. There are 30 torpedo boats, 1 torpedo dépôt and school, and 2 Nordenfeldt submarine torpedo boats. Of unprotected vessels there are 2 corvettes (1,300 and 1,800 tons), 2 cruisers (1,000 tons each), launched 1884–85; 12 gun-boats (6 built 1881–84, the rest old); 3 revenue vessels (1884); a steel yacht, built in 1868, and an iron transport, besides miscel-



laneous craft. According to the system of classification adopted in this book, Greece thus possesses 2 port-defence armourclads; 3 first-class cruisers, *a* (armoured); 4 third-class cruisers *a* and 16 *b*; and 1 of torpedo craft, 6 first-class, 6 second class, and 6 third class, besides 12 boats less than 80 feet in length. The personnel of the navy includes about 150 officers and cadets, 30 engineer officers, 60 paymasters, surgeons, &c., 550 petty officers, and nearly 3,000 sailors, stokers, and workmen. The navy is manned partly by conscription from the people of the sea-coast and partly by enlistment. In 1887 the period of service was made two years instead of one.

### Production and Industry.

Greece is mainly an agricultural country, and the existing manufactures are few and unimportant.

According to an official report of 1893, the acreage of agricultural production is approximately as follows:—

Crop	Acres	Yield
Cereals . . .	1,111,500	Bush. 20,250,000
Cotton . . .	14,800	—
Tobacco . . .	12,000	Lbs. 16,000,000
Vineyards . . .	336,000	Gall. 66,000,000
Currants . . .	168,000	Lbs. 350,000,000
Olives . . .	432,000	,, 15,000,000
Figs, &c. . . .	52,000	,, 60,000,000
Various . . . .	211,400	—
Fallow . . . .	1,200,000	—
Forest . . . .	2,025,400	—
—	5,563,100	—

There are, besides, about 5,000,000 acres of pasture and 3,000,000 acres of waste land. By the draining of Lake Copais about 60,000 acres of alluvial soil have (1893) been added to the surrounding province.

While there are a few large proprietors in Greece, the land is to a large extent in the hands of peasant proprietors. On the whole, agriculture is in a backward state, though the soil is of unusual fertility. The average production of cereals for the whole of Greece is:—wheat, 7,000,000 bushels; barley, 3,000,000 bushels; rye, 825,000 bushels; for the old provinces 2,700,000 bushels of maize; mezlin, 1,380,000 bushels. The most favoured and best cultivated crop is the currant, which covers vast districts.

According to the latest official returns, there are 95,000 horses, 337,000 cattle, 45,000 mules, 109,000 asses, 6,000,000 sheep and goats, and 45,000 pigs.

The chief mineral produce in 1890 was: manganese iron, 207,509 tons; zinc, 30,744 tons; lead, 14,208 tons; manganese oxide, 13,547 tons; silicate of magnesia, 8,734 tons; baryte, 4,581 tons; while, sulphur, galena, chrome and other minerals were also worked.

## Commerce.

The total value of the special commerce of Greece in 1891 was :—Imports, 140,350,000 drachmai ; and exports, 107,451,000 drachmai. In 1892 the figures were—imports, 119,306,000 drachmai ; exports, 82,261,000 drachmai. The special commerce for 1891 and 1892 was as follows with the leading countries :—

—	Imports from (1891)	Imports from (1892)	Exports to (1891)	Exports to (1892)
	Drachmai	Drachmai	Drachmai	Drachmai
Russia . . . . .	27,169,100	15,354,760	3,178,450	2,088,664
United Kingdom . . . . .	40,325,075	34,186,360	49,774,500	32,968,574
Austria-Hungary . . . . .	18,526,600	15,828,706	7,228,625	6,376,366
Turkey and Egypt . . . . .	21,490,775	22,472,677	8,404,400	5,595,088
France . . . . .	12,628,325	10,663,150	25,554,025	14,764,123
Italy . . . . .	4,220,275	4,468,106	1,828,350	2,666,556
Germany . . . . .	7,185,600	8,557,141	2,797,925	2,782,442
Belgium . . . . .	3,337,925	2,360,533	926,300	5,846,379
United States . . . . .	3,393,550	2,468,060	4,026,725	5,154,441
Holland . . . . .	354,025	492,307	2,993,400	3,590,070
Other countries . . . . .	1,728,425	2,454,207	777,000	428,761
	140,359,675	119,306,007	107,489,700	82,261,464

The following table shows the principal classes of special imports and exports and their values in 1893 :—

Imports	Drachmai	Exports	Drachmai
Cereals . . . . .	23,301,500	Currants . . . . .	46,274,650
Coal . . . . .	7,482,125	Ores . . . . .	15,002,625
Cottons . . . . .	5,363,175	Wines . . . . .	4,194,250
Fish, caviar, &c. . . . .	4,049,200	Fruit . . . . .	2,686,125
Woollens . . . . .	4,036,025	Olive oil . . . . .	2,675,000
Hides . . . . .	3,715,300	Tobacco . . . . .	2,453,150
Timber . . . . .	3,457,500	Sponges . . . . .	2,290,625
Sugar . . . . .	2,913,400	Silk and cocoons . . . . .	1,396,175
Live stock . . . . .	2,895,925	Valonia . . . . .	1,131,500
Coffee, chicory, &c. . . . .	2,304,925	Tanned hides . . . . .	539,325
Hardware . . . . .	1,919,750	Soap . . . . .	537,500
Metals, crude . . . . .	1,874,750	Emery . . . . .	468,925
Various . . . . .	28,171,350	Various . . . . .	8,384,000
Total . . . . .	91,484,925	Total . . . . .	88,033,850

These values, however, are based on rates fixed some years ago, no account being taken of changes in price that have occurred, notably in the case of wheat and of currants.

The value of the imports into the United Kingdom from Greece, and of the domestic exports from the United Kingdom to Greece in each of the last five years, according to the Board of Trade returns, was :—

	1882	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from Greece.	1,864,297	1,962,798	2,166,486	1,826,984	1,420,167
Exports of British produce to Greece.	853,713	1,157,572	1,124,571	921,872	604,905

The staple article of import from Greece into the United Kingdom is currants, the value of which in 1893 amounted to 900,219*l.* Other articles of import in 1893 were:—raisins, 10,825*l.*; lead, 105,910*l.*; silver ore, 127,827*l.*; sponges, 59,851*l.*; zinc ore, 14,399*l.* Of the exports from the United Kingdom to Greece in 1893, cotton goods and yarns were valued at 225,726*l.*; woollens and worsteds, 66,269*l.*; coal, 107,880*l.*; iron, 39,480*l.*; machinery, 29,097*l.*

### Navigation and Shipping.

The merchant navy of Greece in 1894 numbered 125 steamers, of 134,687 gross tonnage, and 762 sailing vessels, of 343,442 net tonnage. The total number of vessels that entered Greek ports in 1892 was 6,582 of 2,788,815 tons, and cleared 5,482 of 2,340,720 tons. Of the vessels entered 2,639 of 369,172 tons were Greek. More than half the trade is through the port of Piræus. A considerable amount of the carrying trade of the Black Sea and the Eastern ports of the Mediterranean is under the Greek flag.

### Internal Communications.

Recently the internal communication by roads has greatly improved; there are now about 2,043 miles of roads. In 1893 the canal across the Isthmus of Corinth (about 4 miles) was opened for traffic.

Railways were open for traffic in 1893 for a length of 568 miles, of which 92 miles belonged to the State, while 306 miles were under construction. The Athens-Larissa railway, the main line in Greece, is intended to bring that country into immediate communication with the rest of Europe.

The telegraphic lines, land and submarine, were of a total length of 4,751 English miles, at the end of 1892; length of wire, 5,630 miles. The number of offices was 191. They despatched 817,034 inland telegrams, and 347,829 international, in the year 1892. Receipts, 987,132 drachmai; expenses, (including rural post) 1,971,200 drachmai.

Of post offices there existed 315 at the end of 1892, and there passed through the post in that year in the internal service, 4,184,000 letters and post-cards, and 5,170,000 printed papers and samples; in the international service, 5,434,000 letters and post-cards, and 2,561,000 printed papers and samples. The receipts were 1,461,239 drachmai; expenses, 1,516,151 drachmai.

### MONEY AND CREDIT.

The National, the Ionian, and the Epiro-Thessalian Banks are authorised to issue notes for forced currency to the amount of 88,000,000 drachmai, including 14,000,000 drachmai in notes under 5 drachmai.

The forced currency was begun in July 1877, was withdrawn December

1884, and again circulated September 1885. The small note circulation was begun in June 1886.

During five years the average loans to the Government, the average amounts of the bank notes in circulation, and the average rates of exchange were as follows:—

Year	Loans to Government	Bank Note Circulation	Rate of Exchange
	Drachmai	Drachmai	
1888	72,059,969	117,491,570	1·2650
1889	67,573,463	113,217,610	1·2225
1890	78,491,013	120,852,298	1·2325
1891	77,158,828	137,728,486	1·2975
1892	85,500,000	144,229,000	1·4275

## Money, Weights, and Measures.

### MONEY.

Greece entered in 1868 the Latin Monetary Union.

The *Drachma*, of 100 *lepta*, is equivalent to the franc (25,225 francs = 11. sterling). 100 new drachmai = 112 old drachmai.

By Royal decree of January 30, 1893, the gold coins of Great Britain, Austria, Germany, Denmark, Russia, Spain, Turkey, Egypt, and the United States are accepted by the Treasury and by private persons as legal tender, one-fourth per cent. being deducted from their nominal value.

### WEIGHTS AND MEASURES

The <i>Oke</i>	.	.	.	.	=	2·80	lbs. avoirdupois.
„ <i>Cantar</i>	.	.	.	.	=	123·20	„ „
„ <i>Livre</i>	.	.	.	.	=	1·05	„ „
„ <i>Baril</i> (wine)	.	.	.	.	=	16·33	imperial gallons.
„ <i>Kilo</i>	.	.	.	.	=	0 114	„ quarter.
„ <i>Pike</i>	.	.	.	.	=	$\frac{3}{4}$	of an English yard.
„ <i>Stremma</i>	.	.	.	.	=	·242	„ „ acre.

## Diplomatic Representatives.

### 1. OF GREECE IN GREAT BRITAIN.

*Envoy Extraordinary and Minister Plenipotentiary.*—

*Chargé d'Affaires.*—Athos Romanos.

*Consul-General.*—Al. Ionides.

There are Consular representatives of Greece at Cardiff, Dublin, Glasgow, Liverpool, Manchester, Southampton, Calcutta, Malta.

### 2. OF GREAT BRITAIN IN GREECE.

*Envoy and Minister.*—Edwin H. Egerton, C.B., appointed January 26, 1892.

*Secretary.*—F. E. H. Elliot.

There are British Consuls at Athens (V.C.), Corfu, Patras, Piræus, Syra, Volo (V.C.), Zante (V.C.)

## Statistical and other Books of Reference concerning Greece.

### 1. OFFICIAL PUBLICATIONS.

- Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.  
 Commerce de la Grèce avec les pays étrangères pendant l'année 1893. Athenes, 1894.  
 Foreign Office Reports. Annual Series (No. 1,416, 1894, contains report on Greek Finance) and Miscellaneous Series. S. London.  
 Greece in Europe. By S. P. Skiadan. (In Greek.) S. Athens, 1891.  
 Handbook of the Armies of the Minor Balkan States. By Captain C. E. Callwell. S. London, 1891.

### 2. NON-OFFICIAL PUBLICATIONS

- Baedeker's Handbook to Greece.* 2nd ed. London, 1894.  
*Bent* (J. Th.), Modern Life and Thought Amongst the Greeks. S. London, 1891. The Cyclades: Life Amongst the Insular Greeks. S. London, 1885.  
*Bérard* (Victor), La Turquie et l'Hellenisme Contemporaine. S. Paris, 1893.  
*Bianconi* (C. F.), Ethnographie de la Turquie, de l'Europe et de la Grèce. Paris, 1877.  
*Bickford-Smith* (R. A. H.), Greece under King George. S. London, 1893.  
*Brockhaus* (Hermann), Griechenland, geographisch, geschichtlich und kulturhistorisch von den ältesten Zeiten bis auf die Gegenwart dargestellt. 4. Leipzig, 1870.  
*Campbell* (Hon. Dudley), Turks and Greeks. S. London, 1887.  
*Carnarvon* (Earl of), Reminiscences of Athens and the Morea. S. London, 1870.  
*Estournelle de Constant* (Baron d'), La Vie de Province en Grèce. S. Paris, 1878.  
*Field* (H. M.), Greek Islands and Turkey after the War. S. London, 1885.  
*Finlay* (G.), A History of Greece, B.C. 146—A.D. 1864. New ed. 7 vols. S. Oxford 1877.  
*Jebb* (R. C.), Modern Greece: Two Lectures. S. London, 1880.  
*Kolokotronis* (Th.), Klepht and Warrior. [Autobiography translated.] S. London, 1890.  
*Mahaffy* (J. P.), Rambles and Studies in Greece. 3 ed. S. London, 1887.  
*Maurer* (G. L. von), Das Griechische Volk in öffentlicher und privatrechtlicher Beziehung. 3 vols. S. Heidelberg, 1835.  
*Melingo* (P. von), Griechenland in unseren Tagen. S. Vienna, 1892.  
*Murray's Handbook for Greece.* 2 vols. London, 1884.  
*Reclus* (Elisée), Géographie universelle. Vol. I. Paris, 1877.  
*Rodd* (J. Rennell), The Customs and Lore of Modern Greece. S. London, 1892.  
*Schmidt* (Dr. Julius), Beiträge zur physicalischen Geographie von Griechenland. S. Leipzig, 1864-70.  
*Tozer* (H. F.), The Islands of the Aegean. S. Oxford, 1890.  
*Tuckerman* (Charles K.), The Greeks of To-day. S. London, 1873.  
*Wordsworth* (Bishop Ch.), Greece: Pictorial, Descriptive, and Historical. New ed. London, 1882.

## GUATEMALA.

(REPÚBLICA DE GUATEMALA.)

### Constitution and Government.

THE Republic of Guatemala, established on March 21, 1847, after having formed part for twenty-six years of the Confederation of Central America, is governed under a Constitution proclaimed December 1879, and modified October 1885, November 1887, and October 1889. By its terms the legislative power is vested in a National Assembly, consisting of representatives chosen by universal suffrage for four years. The executive is vested in a President, elected for six years.

*President of the Republic.*—J. M. Reyna Barrios, for the term 1892–1898.

The administration is carried on, under the President, by the heads of six departments—of Foreign Affairs, Government and Justice, Hacienda and Public Credit, Public Instruction, Fomento, War.

### Area and Population.

The area of Guatemala is estimated at 46,800 English square miles. According to a census of 1890, there were at that date 1,460,017 inhabitants, and in 1892 the population was estimated at 1,510,326. About 60 per cent. are pure Indians, most of the remainder being half-caste, there being very few descendants of Europeans. Guatemala is administratively divided into 22 departments.

The marriages in 1892 were 5,735; births, 64,738; and deaths, 27,020. Owing to an imperfect system of registration, the number of deaths given is considerably below the actual number. About one-half the births among the whites and one-fourth among the Indians were illegitimate. In 1891, 6,384 persons entered, and 5,902 left the Republic.

Capital of the Republic and seat of the government is Guatemala la Nueva, with 71,000 inhabitants (1893), a tenth of them of European origin. Other towns are Quezaltenango, 27,000, Coban, 27,700, Totonicapan, 40,000, and San Marcos, 16,000.

### Religion.

Roman Catholicism is the prevailing religion; but all other creeds have complete liberty of worship.

### Instruction.

Education is free and compulsory. In 1893 there were 1,304 government primary schools, of which 434 were for girls. The number of children of school age was 143,453, of whom 43,789 attended school. There were also 13 secondary, normal and professional schools with 1,964 pupils, besides 59 private schools and colleges for both sexes. The Government spent on education, in 1894, 1,120,000 dollars.

### Crime.

In 1891, 4,015 persons were sentenced for serious crimes, and 20,860 for misdemeanours. On January 1, 1892, there were 379 inmates of the penitentiary.

### Finance.

Nearly half of the revenue is from customs, and over one-third from taxes on spirits, tobacco, &c. ; while seven-tenths of the expenditure is for public debt, instruction, and war.

The revenue and expenditure for five years are given as follows :—

—	1889	1890	1891	1892	1893
	dollars	dollars	dollars	dollars	dollars
Revenue	6,152,800	7,309,142	8,683,536	8,660,490	10,422,752
Expenditure	—	8,300,778	—	9,672,263	11,401,418

The Public Debt of Guatemala on December 31, 1892, was returned as follows :—

	Dollars.
External Debt, £896,000 (at par =)...	4,480,000
Internal Consolidated ...	6,195,600
Floating Debt ...	1,215,808
Various Loans and Debts ...	5,223,875
<b>Total ...</b>	<b>17,115,284</b>

On January 1, 1894, the external debt was stated at 920,100*l.* sterling, and the internal at 6,020,062 dollars.

### Defence.

The army of Guatemala, the cost of which is about one-tenth of the total public expenditure, consists (1891) of 3,718 officers and men. There is, besides, a reserve militia of 67,300 officers and men.

### Production and Industry.

The number of owners who possess immovable property of the value of more than 1,000 dollars in 1885 was returned at 6,157, the total value of these holdings being given at 38,741,431 dollars.

The soil in general is exceedingly fertile. In 1892, 115,681 acres were under coffee, yielding 74,652,985 lbs. ; 25,560 acres under sugar-cane, yielding 6,064,080 lbs. of refined sugar, 37,991,770 lbs. of coarse sugar, and 4,802,800 lbs. of molasses ; tobacco, 2520 acres, yielding 979,682 lbs. ; cocoa, 5,161 acres, yielding 637,582 lbs. ; maize, 173,640 acres, yielding 180,662,295 lbs. ; wheat, 16,081 acres, yielding 10,047,125 lbs. ; also rice, cotton, rubber, banana, and cocoa-nuts. Coffee growing is extending, over 20 per cent. of the owners of coffee estates being Germans. There are 1,098,930 acres of forest belonging to the municipalities of Guatemala.

Gold, silver, lead, tin, copper, and other minerals exist, but are little worked.

### Commerce.

The following are the statistics of trade, in dollars, for the years indicated, including bullion and specie :—

—	1889	1890	1891	1892	1893
Imports	7,586,661	7,639,833	7,807,000	6,010,233	6,383,835
Exports	13,247,657	14,401,534	14,175,399	14,869,324	19,087,000

The chief imports in 1892 were cotton-cloth and yarn, 901,522 dollars; flour, 207,800 dollars; wrought iron, 283,247 dollars; wines, 242,292 dollars; groceries, 177,627 dollars; machinery, 161,545 dollars; silver bullion, 1,030,856 dollars. The imports from Great Britain were valued at 812,888 dollars; from the United States, 1,035,096 dollars; from Germany, 969,264 dollars; from France, 795,176 dollars; from Central America, 130,760 dollars. The chief export was coffee, valued at 13,765,983 dollars (in 1891 13,112,500 dollars). The sugar and fruit trades have also been much developed.

The imports into the United Kingdom from Guatemala (according to the Board of Trade Returns) amounted in 1893 to 368,256*l.*, of which 367,653*l.* was for coffee. The domestic exports from the United Kingdom to Guatemala amounted to 257,969*l.*, the chief articles exported being cottons, 114,502*l.*; iron, 28,647*l.*; cotton yarn, 24,520*l.*; machinery, 29,537*l.* The value of the commercial intercourse of the United Kingdom with the whole of 'Central America' for the last five years, according to the Board of Trade Returns, was:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Central America into United Kingdom . . .	1,181,703	1,320,305	1,400,130	1,089,255	1,198,127
Exports of British produce to Central America . . . . .	996,222	987,168	1,144,948	829,152	694,512

### Shipping and Communications.

In 1893, 500 vessels of 750,792 tons entered the ports of the Republic. The vessels belonged mostly to the United States.

There is a line of railway from San José through Escuintla to the capital (72 miles), a line from Champerico to Retalhuleu (27 miles), and one from Retalhuleu to San Filipe. The total length of line is about 118 miles. Several projected lines of rail have been approved of by the Assembly. The Government guarantees a subsidy of about 1,630*l.* per mile. There are a few good roads, but away from the railway most of the traffic is on mule-back.

There were in 1893, 173 post-offices. The total postal movement (letters, cards, parcels, &c., received and delivered) in 1893 was 5,659,764. Of telegraphs there were 2,475 miles, with 135 offices, in 1893; the number of messages was 702,433.

### Money, Weights, and Measures.

On December 31, 1891, the accounts of the Banco Internacional balanced at 5,860,767 pesos; of the Banco Columbiano of Guatemala, at 10,697,880 pesos; of the Banco de Occidente at Quezaltenango, at 1,269,390 pesos.

#### MONEY.

*The Dollar or Peso, of 100 Centavos* . . . nominal value, 4*s.* ;  
real value 6½ pesos = £1.



WEIGHTS AND MEASURES.

The Spanish <i>Libra</i> of 16 ounces . . .	= 1·014 lb. avoirdupois.
„ <i>Arroba</i> of 25 libras . . .	= 25·35 lb.
„ <i>Quintal</i> of 4 arrobas . . .	= 101·40 „
„ <i>Tinelada</i> of 20 quintals . . .	= 18·10 cwt.
„ <i>Fanega</i> . . .	= 1½ imperial bushel.

The old weights and measures of Spain are in general use.

**Diplomatic and Consular Representatives.**

1. OF GUATEMALA IN GREAT BRITAIN.

*Envoy and Minister.*—Señor Fernando Cruz, accredited May 28, 1892 ; accredited also to France, and resident in Paris.

*Secretary.*—Domingo Estrada.

*Consul-General.*—Benjamin Isaac, accredited December 27, 1879.

There are also Consular representatives at Glasgow, Liverpool, Manchester, Southampton, Plymouth, Birmingham, Cardiff, Newport.

2. OF GREAT BRITAIN IN GUATEMALA.

*Minister and Consul-General* to the several Republics of Central America, Audley C. Gosling. Secretary of Legation at Copenhagen 1881 ; Secretary of Embassy at Madrid 1887, and at St. Petersburg 1888 ; appointed to Central America 1890.

*Consul.*—James F. Roberts.

There is a British Consul at Quezaltenango and a Vice-Consul at Livingston.

**Statistical and other Books of Reference concerning Guatemala.**

1. OFFICIAL PUBLICATIONS.

Annual Statement of the Trade of the United Kingdom for the year 1893. Imp. 4. London, 1894.

Foreign Office Reports. Annual Series. London.

Guatemala. No. 32 of the *Bulletin* of the Bureau of the American Republics. Washington, 1892.

Informe de la Direccion de Estadística. Guatemala, 1894.

Informe de la Secretaria de Fomento. Guatemala, 1894.

Memorias de los Secretarios de Estado del Gobierno de la república de Guatemala (Gobernacion y Justicia ; Instruccion Pública ; Guerra ; Hacienda ; Relaciones Exteriores), Guatemala, 1894.

Movimiento de poblacion habido en los pueblos de la república de Guatemala durante el año de 1893. Guatemala, 1894.

2. NON-OFFICIAL PUBLICATIONS.

*Bernouilli* (Dr. Gustav), Briefe aus Guatemala, in Dr. Petermann's 'Mittheilungen.' 4. Gotha, 1868-69.

*Bernouilli* (Dr. Gustav), Reise in der Republik Guatemala, in Dr. A. Petermann's 'Mittheilungen.' 4. Gotha, 1873.

*Brigham* (T.), Guatemala. The Land of the Quetzal. London, 1887.

*Fröbel* (Julius), Aus America. 2 vols. 8. Leipzig, 1857-58.

*Gonzalez* (Dario), Geografía de Centro-América. San Salvador, 1877.

*Lafrièrre* (J.), De Paris à Guatemala, Notes de voyage au centre de l'Amérique. 8. Paris, 1877.

*Lemale* (G.), Guia geográfica de los centros de poblacion de la república de Guatemala. Guatemala, 1882.

*Marr* (Wilhelm), Reise nach Central-America. 2 vols. 8. Hamburg, 1863.

*Morlet* (L.), Voyage dans l'Amérique centrale. 2 vols. 8. Paris, 1859.

*Squier* (E. G.), The States of Central America. 8. London, 1868.

*Stoll* (Otto), Guatemala. Reisen und Schilderungen aus den Jahren 1878-83. Leipzig, 1886.

*Whetham* (J. W. Boddam), Across Central America. 8. London, 1877.

**HAITI.**

(RÉPUBLIQUE D'HAÏTI.)

**Constitution and Government.**

THE Republic of Haiti, formerly a French colony, was proclaimed independent January 1, 1804, and is now governed under a Constitution proclaimed June 14, 1867. The legislative power rests in a National Assembly, divided into two chambers, respectively called the Senate and the House of Representatives. The latter is elected by the direct vote of all male citizens engaged in some occupation, for the term of three years; while the members of the Senate (39 in number) are nominated for six years by the House of Representatives from two lists presented by the Executive and the Electoral Colleges; one-third retire every two years. Members of both houses are paid, representatives and senators by the month (150 dollars) during session. The executive power is in the hands of a President who, according to the Constitution, must be elected by the people, but in recent years has generally been chosen by the United Senate and House of Representatives, sitting in National Assembly, and in some instances by the troops, and by delegates of parties acting as representatives of the people. The nominal term of office of the President is seven years; it is generally cut short, however, by insurrections.

*President of the Republic.*—General *Hyppolite*, May 1890.

The administration of the Republic is carried on, under the President, by four heads of departments. The President receives a salary of 4,800*l.*

**Area and Population.**

The area of the Republic, which embraces the western portion of the island of Haiti—the larger but less populated eastern division forming the Republic of *Santo Domingo*—is estimated at 10,204 English square miles. A census of the population does not exist; the inhabitants, nine-tenths of whom are negroes and the rest mulattoes, with very few of European descent, are calculated by the best authorities to number about 572,000, while a more probable estimate by a native writer gives the total at 960,000 in 1887. Capital: Port-au-Prince, with 40,000 to 60,000 inhabitants, situated on a large bay, and possessed of an excellent harbour. Cape Haiti has a population of about 29,000, and Les Cayes about 25,000. The language of the country is French, though most of the people speak a debased dialect known as Creole French.

**Religion and Instruction.**

The religion is nominally Roman Catholicism. Public elementary education is free, the country being divided into 14 inspectors' districts. The sum allotted for public instruction amounts to nearly 1,000,000 dollars annually, but the educational system is still very imperfect, especially in rural districts. There are 400 national schools, besides private schools, and 5 public lycées.

**Finance.**

The revenue of Haiti is derived almost exclusively from customs, paid in American gold on exports and in currency on imports. For the last two years ended September 30, the revenue was estimated as follows:—

	Total Revenue	Export Duties	Import Duties
	Gold dollars	Gold dollars	Currency dollars
1892	7,322,076	3,102,456	5,063,544
1893	7,405,250	3,164,960	4,526,620

The budget estimate of expenditure for 1891-92 was 7,958,314, and for 1892-93, 8,498,524 dollars currency.

On December 31, 1892, the public debt is as follows:—External debt at 5 per cent., 4,471,312 dollars; internal at 5 per cent., 4,406,083 dollars; floating (currency), 802,714 dollars; (gold), 186,960 dollars; short loans, 3,085,482 dollars; paper currency, 4,040,795 dollars; total, 16,993,347 dollars, or about 3,520,833*l*. A plan for the conversion of the whole floating debt (about 3,000,000 dollars gold) into an external debt payable in Paris is under consideration.

### Defence.

The army, under a 'law of reorganisation' passed by the National Assembly in 1878, consists, nominally, of 6,828 men, chiefly infantry. There is a special 'Guard of the Government,' numbering 650 men, commanded by 10 generals, who also act as aides-de-camp to the President of the Republic. The Republic possesses a flotilla of six small vessels, which may be ranked as third-class cruisers. The most recent are the *Dessalines* (1,200 tons) dating from 1883; the *Toussaint L'Ouverture* from 1886; and the *Capois-la-Mort*. The last-named a despatch gun-boat, with her sister the *Alexandre Pétion* (since lost) was launched at Havre early in 1893.

### Commerce and Communications.

The value of imports and exports for four years were approximately as follows in dollars gold:—

—	1889	1890	1891	1892
Imports . . .	6,000,000	19,500,000	14,200,000	12,446,000
Exports . . .	12,000,000	15,000,000	12,400,000	12,656,000

The principal articles exported were (1893) coffee, 7,829,779 lbs.; logwood, 128,810,600 lbs.; cocoa, 3,083,218 lbs.; cotton, 1,176,702 lbs.; mahogany, 3,425 feet.

There is no report of the exact value of the commercial intercourse of the Republic with the United Kingdom in the 'Annual Statement' published by the Board of Trade, which gives Haiti and Santo Domingo together. But as the population of the latter State is only about one-fourth of that of Haiti, an estimate may be made of the exports and imports of each during the last five years from the statement given in the following table:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Haiti and Santo Domingo into U.K.	47,123	89,593	44,757	40,971	67,706
Exports of British produce to Haiti and Santo Domingo . . .	249,624	528,357	320,998	247,971	332,810

The chief imports into the United Kingdom in 1893 were logwood, valued at 23,298*l*.; mahogany and other woods, 41,261*l*. The staple article of British produce exported to Haiti and Santo Domingo consists of cotton manufactures, valued at 162,790*l*. in 1889; 356,078*l*. in 1890; 164,388*l*. in 1891; 139,675*l*. in 1892; 218,309*l*. in 1893; and linens, 13,200*l*. in 1889; 22,248*l*. in 1890; 19,276*l*. in 1891; 14,522*l*. in 1892; 22,666*l*. in 1893.

In 1893 there entered at Port-au-Prince, Port de Paix, Les Cayes, and Cape Haiti 538 steamers of 707,708 tons register (112 of 133,169 tons register, British), and 295 sailing vessels of 52,409 tons register (39 of 10,394 tons register, British).

There are 31 post offices. Haiti joined the Postal Union in 1880.

On March 31, 1891, the accounts of the National Bank of Haiti balanced at 14,859,660 dollars.

### Money, Weights, and Measures.

The *Gourde*, or dollar, nominal value, 4s. The coin represents 5 francs, but its value is subject to fluctuation, of which the annual average may be 17 per cent. premium on the American dollar. Gold = 85½ cents American gold.

The coin in circulation consists of a small amount of old silver coin (1810-43); silver to the amount of 2,900,000 dollars, and copper to the amount of 75,000 dollars, issued during the ten years 1881-90; and an amount of American coin estimated at 1,000,000 dollars (gold). The bank notes in circulation are issued by the Haytian Government under the control of the Banque Nationale d'Haïti.

The weights and measures in use are those of France.

### Diplomatic and Consular Representatives.

#### 1. OF HAITI IN GREAT BRITAIN.

*Chargé d'Affaires*.—Louis Joseph Janvier.

*Consul*.—Maurice Erdmann.

There are consular agents at Cardiff, Liverpool, Southampton, Cork, Grimsby, Dundee, Glasgow.

#### 2. OF GREAT BRITAIN IN HAITI.

*Consul-General*.—Augustus Cohen.

### Statistical and other Books of Reference concerning Haiti.

#### 1. OFFICIAL PUBLICATIONS.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

Foreign Office Reports, Annual Series. London, 1893.

Report on Haiti in 'Reports from the Consuls of the United States,' No. 82. Washington, 1887.

Report on the Trade and Finances of Haiti, in 'Reports on Subjects of General Interest,' No. 52. London, 1887.

Reports on Trade and Shipping of Haiti, in 'Deutsches Handels-Archiv,' for June, July, September, October, 1894. Berlin.

#### 2. NON-OFFICIAL PUBLICATIONS.

*Ardouin* (Beaubrun), Etudes sur l'histoire de Haiti. 10 vols. Paris, 1853-61.

*Bonneau* (Alex.), Haïti, ses progrès, son avenir. 8. Paris, 1862.

*Fortunat* (Dantès), Nouvelle géographie de l'île de Haiti. Port-au-Prince, 1888.

*Handelmann* (J.), Geschichte von Haiti. 8. Kiel, 1856.

*Hazard* (Samuel), Santo Domingo, Past and Present; with a glance at Haiti. London, 1873.

*Janvier* (L. J.), Les Constitutions d'Haïti (1801-1885). Paris, 1886.

*Madiou* (N.), Histoire de Haiti. 3 vols. 8. Port-au-Prince, 1847.

*Nau* (K.), Histoire des Caziques de Haiti. 8. Port-au-Prince, 1855.

*St. John* (Sir Spenser), Haiti, or the Black Republic. 2nd ed. London, 1889.

*Tippenhauer* (L. Gentil), Die Insel Haïti. 2 vols. Leipzig, 1893.

## HAWAII.

(HAWAII-NEI.)

### Constitution and Government.

UNDER Kaméhaméha I. the Hawaiian or Sandwich Islands were united into one kingdom. The second king of the name and his queen died in England, 1823. Under Kaméhaméha III. the integrity of the kingdom was recognised by England, France, and the United States, and subsequently by other Governments. This king gave his subjects a constitution in 1840, which was revised and extended in 1852, and on his death in 1854 he was succeeded by his nephew, Kaméhaméha IV., the husband of Queen Emma, who died in 1863. His brother, Kaméhaméha V., succeeded, and proclaimed a revised constitution, August 20, 1864. On his death in 1872, without issue, Prince Lunalilo was chosen, on whose death in 1874 Kalakaua was elected king, and he was succeeded January 20, 1891, by Liliuokalani, his eldest sister.

On January 15, 1893, in consequence of a disagreement between the Queen and her Cabinet regarding a new constitution, a Committee of Public Safety was formed which, two days later, issued a proclamation declaring that the Hawaiian monarchical system was abrogated and that a provisional government had been established. On July 4, 1894, a Republic was proclaimed. According to the new constitution, the Legislature consists of a Senate of 15 members, elected, by indirect vote, for six years, one third of the Senate being renewed every two years; and a Chamber of Representatives of 15 members, elected, by indirect vote, for two years. Senators must be at least 30 years of age, and must possess property of the value of 3,000 dollars or an annual income of 1,200 dollars. Members of the Chamber of Representatives must be at least 25 years of age, and must possess property of the value of 1,000 dollars or an annual income of 600 dollars. Every Hawaiian of full age who can speak, read, and write either Hawaiian or English has the right to vote. The President must be a Hawaiian or have been resident in Hawaii for 15 years; he is elected for six years by the two Houses in united session, and he is not eligible for the following term of office. The State Council consists of 15 members, of whom 5 are appointed by the Senate, 5 by the Chamber of Representatives, and 5 by the President.

*President of the Republic.*—Sandford B. Dole, for the term 1894–1900.

The naval and military forces, authorised by law, consist of the household guards, fixed at 65 men, but the king has a right to the military services of all the natives when required. Volunteer military organisations are prohibited by law.

### Area and Population.

The total area of the islands is 6,640 square miles—namely, Hawaii, 4,210; Maui, 760; Ohau, 600; Kauai, 590; Molokai, 270; Lanai, 150;

Niihau, 97 ; Kahoolawe, 63 square miles. According to the census of 1884, the population was 80,578—51,539 males and 29,039 females ; and according to the census of 1890, 89,990—58,714 males and 31,276 females. Births in 1890 and 1891, 4,438 ; deaths, 4,177 ; excess of births for the two years, 261. Of the population in 1890, 34,436 were natives, 6,186 half-castes, 7,495 born in Hawaii of foreign parents, 15,301 Chinese, 12,360 Japanese, 8,602 Portuguese, 1,928 Americans, 1,344 British, 1,034 Germans, 227 Norwegians, 70 French, 588 Polynesians, and 419 other foreigners. The native population is closely allied to the Maories of New Zealand. At the time of Captain Cook's discovery of the islands, upwards of a century ago, the population numbered probably 200,000. Since then the natives have rapidly decreased, and since the census of 1884 there has been a decrease in the native population of 5,578. The foreign element is, however, rapidly increasing. The immigration in 1884 was 7,654 and emigration 4,941 ; in 1885 the former 5,410 and the latter 1,805 ; in 1886 there were 3,725 arrivals and 2,189 departures ; in 1887, arrivals 3,250, departures 2,220 ; in 1888, 5,532 arrivals, 2,890 departures ; in 1889, 3,671 arrivals, 2,313 departures ; in 1890, 4,603 arrivals, 2,071 departures ; in 1891, 7,536 arrivals, 3,037 departures ; in 1892, 5,468 arrivals, 4,103 departures ; in 1893, 5,672 arrivals, 3,926 departures ; excess of arrivals, 1,746. Most of the immigrants are Chinese and Japanese. The capital, Honolulu (22,907 inhabitants), is in the island of Oahu.

### Religion and Instruction.

All forms of religion are permitted and protected. Nearly all the natives are Christians. The Sovereign belongs to the Presbyterian Church. There is a Church of England, of which there is a bishop at Honolulu ; there is also a Roman Catholic bishop, and ministers of various denominations. According to latest statistics there are 29,685 Protestants, 20,072 Roman Catholics, 72 Jews, 3,576 Mormons, 30,821 undesignated. Schools are established all over the islands, the sum allotted for public instruction in 1892-94 being 210,600 dollars. In 1892 there were 168 schools, with 392 teachers and 10,712 pupils ; of the pupils 5,353 were Hawaiians, 1,866 half-castes, and 2,253 Portuguese.

### Finance.

The budget is voted for a biennial period. The following shows the revenue and expenditure in dollars for the last five financial periods :—

—	1884-86	1886-88	1888-90	1890-92	1892-94
Revenue . . .	3,010,655	4,812,576	3,632,197	4,408,033	3,874,559
Expenditure . .	2,988,722	4,712,285	3,250,510	4,095,891	3,690,449

Estimated revenue, 1890-92, 2,770,282 dollars ; expenditure 2,768,054 dollars. The revenue is largely derived from customs (1,204,305 dollars in 1890-92) and internal taxes (963,495 dollars in 1890-92), while the largest item of expenditure was for the interior (1,641,848 dollars in 1890-92). The debt on March 31, 1892, consisted of 2,314,000 dollars bonded debt, and 903,162 dollars due to depositors in Postal Savings Bank. The interest varies from 5 to 12 per cent.

## Commerce, Shipping, and Communications.

The islands are to a great extent mountainous and volcanic, but the soil is highly fertile and productive. Sugar and rice are the staple industries, while coffee, hides, bananas, and wool are also exported. The following table shows the commerce (in thousands of dollars) and shipping for five years :—

—	Imports	Native Exports	Customs Receipts	Ships Entered	Tonnage
	1,000 dollars	1,000 dollars	1,000 dollars		
1889	5,439	14,040	550	288	223,567
1890	6,962	13,143	696	295	230,120
1891	7,439	10,107	733	310	284,155
1892	4,684	7,960	494	262	238,622
1893	5,347	10,742	545	315	323,685

The chief exports in 1893 were :—Sugar, 10,200,958 dollars ; rice, 317,473 dollars ; bananas, 105,096 dollars ; and wool, 32,259 dollars ; the imports are mainly groceries and provisions, clothing, grain, timber, machinery, hardware, cotton goods. 91 per cent. of the trade is with the United States.

Steamers connect the islands with the American continent, Australasia, and China. In the inter-island traffic 20 steamers and 28 sailing vessels are constantly engaged. In 1893 there were 53 registered vessels belonging to the islands, of 19,565 tons. There are about 56 miles of railway in the islands of Hawaii, Maui, and Oahu. There are telegraphs in the islands of Maui, Hawaii, between Hawaii and Oahu, and round the latter island ; total length 250 miles ; nearly every family in Honolulu has its telephone. In 1893, the total number of letters, &c., transmitted and received by the Post Office was 2,276,000 ; there were 72 post-offices. Postal savings-banks, 1890 ; depositors, 2,641 ; amount, 956,999 dollars. Honolulu is lighted by electricity and has lines of tramways. The various islands will shortly be connected by telegraphic cable.

### Currency.

Hitherto, gold and silver coins of all nations have passed current in the Hawaiian Islands as legal tender, either at their real or nominal value ; but from December 1, 1884, only gold coins of the United States are legal tender for more than 10 dollars, and only Hawaiian and United States silver coins for smaller amounts. Paper money is not in use, except in the form of treasury certificates for coin deposited there.

## Diplomatic and Consular Representatives.

### 1. OF HAWAII IN GREAT BRITAIN.

*Consul in London.*—M. Hopkins.

### 2. OF GREAT BRITAIN IN HAWAII.

*Commissioner.*—Albert G. S. Hawes.

## Statistical and other Books of Reference concerning Hawaii.

### 1. OFFICIAL PUBLICATIONS.

Annual Report of the Collector of Customs of the Hawaiian Islands. Honolulu, 1894.  
 Biennial Reports to the Hawaiian Legislature of 1894. Honolulu, 1894.  
 Report on Hawaii in 'Deutsches Handels-Archiv' for August, 1894. Berlin.

### 2. NON-OFFICIAL PUBLICATIONS.

- Andri* (A.), Les îles Hawaï. Gand, 1886.  
*Bastian* (Adolf), Zur Kenntniss Hawaiï's. Berlin, 1888.  
*Bird* (Miss I.), The Hawaiian Archipelago. London, 1878.  
*Brassey* (Lady), A Voyage in the *Sunbeam*. London, 1880.  
*Bowser* (G.), Hawaiian Kingdom, Statistical Directory, &c. San Francisco, 1880.  
*Dutton* (Capt. C. U. S. A.), Hawaiian Volcanoes. Washington, D.C., 1885.  
*Ellis* (W.), Tour through Hawaii. London, 1827.  
*Ellis* (W.), Polynesian Researches. 4 vols. London, 1831.  
*Fornander* (C.), Origin of the Polynesian Nations. 3 vols. London, 1885.  
*Gordon Cumming* (Miss C. F.), Fire Fountains: the Kingdom of Hawaii. 2 vols. London, 1883.  
*Hopkins* (Manley), History of Hawaii. 2nd edition. London, 1866.  
*Jarvis* (J. J.), History of the Hawaiian Islands. Honolulu, 1847.  
*Luther* (H. Gulik, M.D.), Climate, &c., of the Hawaiian Islands. New York, 1855.  
*Mine* (Albert), L'archipel des îles Hawaï ou Sandwich. Bordeaux, 1885.  
*Monnier* (Marcel), Un printemps sur le Pacifique. Iles Hawaï. Paris, 1885.  
*Thrum* (T. G.), Hawaiian Annual. Honolulu.  
*Varigny* (C. de), Quatorze ans aux îles Sandwich. Paris.  
*Whitney* (H. M.), The Hawaiian Guide Book. Honolulu, 1890.



## HONDURAS.

(REPÚBLICA DE HONDURAS.)

### Constitution and Government.

THE Republic of Honduras, established January 11, 1839, before the dissolution of the Confederation of Central America in 1839, is governed under a charter proclaimed November 1, 1880. It gives the legislative power to a Congress of Deputies composed of 37 members. The executive authority rests with a President, nominated and elected by popular vote for four years.

*President of the Republic.*—Policarpo Bonilla. December, 1893.

The administration of the Republic is carried on by a Council of ministers, to whom are entrusted the departments of Foreign Affairs, Interior, Public Works, War, Finance, Public Instruction, and Justice.

The active army consists of 500 men with 20,000 militia.

### Area and Population.

The area of the Republic is calculated to embrace about 43,000 English square miles, with a population, in 1889, of 396,048, or about 9 inhabitants to the square mile. The Republic is divided into 13 departments, 56 districts, 210 municipalities. The bulk of the inhabitants consists of aboriginal 'Indians,' and the sparse European-descended population, mainly of Spanish origin, is in the small ports on the Pacific coast, and in the town of Santa Rosas in the tobacco districts of Gracias. The capital of the Republic is the ancient town of Tegucigalpa, with 12,600 inhabitants, situate nearly in the centre of the State. It is the chief station on the planned inter-oceanic railway. Other ports are Amapala, Puerto Cortes, Trujillo, Roatan, and Utila.

### Instruction and Crime.

There is a university, eight colleges (three of them for females), and about 600 schools with 23,000 scholars. In 1889, 1,144 persons were tried for offences. Of these 288 were condemned to lengthened periods of imprisonment (28 for homicide).

### Finance.

The finances of the Republic are in great disorder, owing to wars with Guatemala and San Salvador and the civil war of 1892-93. The actual revenue for 1889 (year ended 30 July) was 1,432,522 dollars; 1891, 1,850,163 dollars; 1892, 1,764,137 dollars. For 1891 the expenditure was 2,983,570 dollars; 1892, 2,603,650 dollars. The revenue is drawn from customs and excise duties.

The foreign debt of Honduras consisted of English loans amounting to 3,222,000*l.*, and a French loan of 2,176,570*l.*, or a total of 5,398,570*l.* No interest has been paid since 1872, and its accumulation had reached in 1893 the amount of over 8,109,000*l.* The internal debt in 1892 amounted to 2,742,574 dollars.

### Production and Commerce.

Agriculture is in a primitive condition. The chief products are tobacco, sugar, maize, bananas; while indigo, rice, wheat are grown in small quantities. Cattle breeding is carried on extensively, and dairy farming on a small scale. The mineral resources of Honduras are great—gold, silver, copper, lead, iron,

antimony being found in almost every department. Deposits of brown and other coal have also been found. There are about 17 important mining companies at work, but statistics of their operations are not procurable. In September, 1892, 7,586 lbs. of gold, valued at 82,000 dollars, were shipped at the port of Amapala. The mining code of 1888 is in force.

There are no complete trade statistics for Honduras. For the year 1892 (ended 30 July), the imports are given at 2,005,000 dollars. For 1891 the exports amounted to 2,667,000 dollars; 1892, 1,873,000 dollars. In 1892 the chief exports were: live stock, 667,340 dollars; bananas, 211,940 dollars; cocoanuts, 91,990 dollars; tobacco, 49,314 dollars; coffee, 41,393 dollars; sarsaparilla, 19,883 dollars; silver, 732,059 dollars; gold, 19,657 dollars. More than half the trade, both import and export, is with the United States, and the remainder mostly with neighbouring Republics.

In 1892, 943 vessels of 267,023 tons (153 vessels British and 201 United States) entered the five ports of the Republic.

The imports into the United Kingdom from Honduras (according to the Board of Trade Returns) amounted in 1893 to 10,327*l.*, of which 9,135*l.* was for mahogany. The domestic exports from the United Kingdom to Honduras amounted to 31,905*l.*, the chief article exported being cotton, 23,797*l.*

### Communications.

In 1890 there were 56 post-offices; receipts 19,436 dollars, expenses 157,851 dollars. There are 1,800 miles of telegraphs, with 70 offices. There is a railway from Puerto Cortez to San Pedro Sula, 37 miles. A concession has been granted for the construction of a railway of 93 miles from Tegucigalpa to the Pacific, and another for a line in the Mosquitia Territory.

### Money, Weights, and Measures.

#### MONEY.

The Silver *Dollar*, of 100 cents (nominal value, 4*s.*, real value 3*s.* 4*d.*), weighs 25 grammes, .900 fine. There are also 20-, 5-, and 1-peso gold pieces, of the weight and fineness of the corresponding French coins. The coinage of silver in Honduras during eleven years, 1879-89, was 743,173 dollars. Gold coined in the two years, 1888-89, 1,118 dollars.

#### WEIGHTS AND MEASURES.

The <i>Arroba</i>	{ for wine . . .	= 3½ imperial gallons.
	“ oil . . .	= 2¾ ” ”
“ <i>Square Vara</i>	. . .	= 1.90 vara = 1 yard
“ <i>Fanega</i>	. . .	= 1½ imperial bushel.

### Diplomatic and Consular Representatives.

#### 1. OF HONDURAS IN GREAT BRITAIN.

*Consul-General.*—W. Binney.

There is a Consul at Manchester.

#### 2. OF GREAT BRITAIN IN HONDURAS.

*Minister and Consul-General.*—Audley C. Gosling.

*Consuls.*—William Melhado (Truxillo); Robert McLachlan (Omoa); Samuel Humber (Tegucigalpa); J. Rössner (Apainala).

## Statistical and other Books of Reference concerning Honduras

### 1. OFFICIAL PUBLICATIONS.

- Annual Statement of the Trade of the United Kingdom in the year 1893 Imp. 4. London, 1894.
- Annuario Estadístico for 1889, by A. R. Vallejo. Tagucigalpi, 1893.
- Foreign Office Reports, Annual Series. London, 1893 and 1894.
- Gaceta Oficial de Honduras.

### 2. NON-OFFICIAL PUBLICATIONS.

- Bates* (H. W.), Central and South America. London, 1882.
- Fröbel* (Julius), Seven Years' Travel in Central America. 8. London, 1853.
- Gonzalez* (D.), Geografía de Centro-América. San Salvador, 1878.
- Lombará* (Thomas R.), The New Honduras. New York, 1887.
- Marr* (Wilhelm), Reise nach Central-America. 2 vols. 8. Hamburg, 1863.
- Pelletier* (Consul E.), Honduras et ses ports. Documents officiels sur le chemin-de-fer interocéanique. 8. Paris, 1869.
- Reichardt* (M.), Centro-América. 8. Braunschweig, 1851.
- Scherzer* (Karl, Ritter von), Wanderungen durch die mittelamerikanischen Freistaaten Nicaragua, Honduras und San Salvador. 8. Braunschweig, 1857.
- Sollera* (Maria), A Lady's Ride across Spanish Honduras. London, 1884.
- Squier* (E. G.), Honduras: Descriptive, Historical, and Statistical. 8. London 1870.

## ITALY.

(REGNO D'ITALIA.)

### Reigning King.

**Umberto I.**, born March 14, 1844, the eldest son of King Vittorio Emanuele II. of Italy and of Archduchess Adelaide of Austria. Succeeded to the throne on the death of his father, January 9, 1878. Married, April 22, 1868, to Queen *Margherita*, born November 20, 1851, the only daughter of the late Prince Ferdinando of Savoy, Duke of Genoa.

### *Son of the King.*

*Vittorio Emanuele*, Prince of Naples, born November 11, 1869.

### *Sisters of the King.*

I. Princess *Clotilde*, born March 2, 1843; married, January 30, 1859, to the late Prince Napoleon Joseph Charles Paul Bonaparte; widow, March 17, 1891; offspring of the union are Napoleon Victor, born July 18, 1862; Louis, born July 16, 1864; and Maria Lætizia, born December 20, 1866; married, September 11, 1888, to Prince Amedeo, Duke of Aosta; widow, January 18, 1890.

II. Princess *Pia*, born October 16, 1847; married, September 27, 1862, to the late King Luis I. of Portugal; widow, October 19, 1889.

### *Nephews of the King.*

Prince Emanuele Filiberto, Duke of Aosta, born January 13, 1869; Prince Vittorio Emanuele, Count of Turin, born November 24, 1870; Prince Luigi Amedeo, Duke of Abruzzi, born January 30, 1873; Prince Umberto Maria, Count of Salemi, born June 22, 1889—children of the late Prince Amedeo, Duke of Aosta.

### *Aunt of the King.*

Princess *Elisabetta*, born February 4, 1830, the daughter of King Johann of Saxony; married, April 30, 1850, to Prince Ferdinando of Savoy, Duke of Genoa; widow, February 10, 1855; re-married, in 1856, to the Marquis of Rapallo. Offspring of the

first union are:—1. Princess Margherita, born November 20, 1851; married, April 22, 1868, to King Umberto I. 2. Prince Tommaso of Savoy, Duke of Genoa, vice-admiral, born February 6, 1854; married, April 14, 1883, to Princess Isabella, daughter of the late Prince Adalbert of Bavaria; offspring, Prince Ferdinando Umberto, born April 21, 1884.

The origin of the reigning house is not historically established; but most genealogists trace it to a German Count Berthold, who, in the eleventh century, established himself on the western slope of the Alps, between Mont Blanc and Lake Leman. In the end of the eleventh century the Prince of Savoy acquired the countries of Turin and Susa. Count Amadeus, in 1383, founded a law of primogeniture which greatly strengthened the family, leading to the immediate acquisition of the territory of Nice. In 1416 the Counts of Savoy adopted the title of Duke; in 1418 they acquired the Principality of Piedmont; and in 1713 they obtained the island of Sicily, with the title of King. Sicily had to be exchanged, in 1720, for the isle of Sardinia, to which henceforth the royal dignity remained attached. Genoa and the surrounding territory were added to the Sardinian Crown at the peace of 1815. The direct male line of the House of Savoy died out with King Carlo Felix in 1831, and, the existing Salic law prohibiting the accession of females, the crown fell to Prince Carlo Alberto, of the house of Savoy-Carignano, a branch founded by Tommaso Francesco, born in 1596, younger son of Duke Carlo Emanuele I. of Savoy. King Carlo Alberto, the first of the house of Savoy-Carignano, abdicated the throne March 23, 1849, in favour of his son, the late King Vittorio Emanuele II. By the Peace of Zürich, November 10, 1859, King Vittorio Emanuele II. obtained Lombardy, with the exception of Mantua, part of the Papal States, and the Duchies of Parma and Modena. On March 11, 1860, annexation to Sardinia was voted by *plébiscite* in Parma, Modena, the Romagna, and Tuscany; on October 21, Sicily and Naples (including *Benevento* and *Pontecorvo*, part of the Papal States), and on November 4, Marche and Umbria. The first Italian Parliament assembled in February 1861, and declared (March 17, 1861) Vittorio Emanuele King of Italy. The remaining part of Lombardy and Venetia were added to his dominions in 1866 (October 21). Finally, the Papal States (Province of Rome), having been taken possession of by an Italian army (September 20, 1870), after the retreat of the French garrison, were, after a *plébiscite*, annexed to the Kingdom October 2.

The 'Dotazione della Corona,' or civil list of the King, has been settled at 15,050,000 lire. Out of this the children of the late Prince Amedeo, Duke of Aosta, have an 'Appannaggio,' or State allowance, of 400,000 lire; his cousin Prince Tommaso, Duke of Genoa, an allowance of 400,000 lire. The greater part of the private domains of the reigning family were given up to the State in 1848.

### Constitution and Government.

The present Constitution of Italy is an expansion of the 'Statuto fondamentale del Regno,' granted on March 4, 1848, by King Charles Albert to his Sardinian subjects. According to this charter, the executive power of the State belongs exclusively to the Sovereign, and is exercised by him through responsible ministers; while the legislative authority rests conjointly in the

King and Parliament, the latter consisting of two Chambers—an upper one, the Senato, and a lower one, called the 'Camera de' Deputati.' The Senate is composed of the princes of the royal house who are of age, and of an unlimited number of members, above forty years old, who are nominated by the King for life; a condition of the nomination being that the person should either fill a high office, or have acquired fame in science, literature, or any other pursuit tending to the benefit of the nation, or, finally, should pay taxes to the annual amount of 3,000 lire, or 120%. In October, 1892, there were 390 senators. The deputies of the lower House are elected according to the electoral law of September 24, 1882 (modified by the law of May 5, 1891, abolishing the *scrutin de liste*, and by laws 1892 and 1894), by ballot, by all citizens who are twenty-one years of age, can read and write, and pay direct taxes to the amount of 19·80 lire, or (in the case of certain peasant farmers) 80 centesimi. Members of academies, professors, persons who have served their country under arms for two years, and numerous other classes, are qualified to vote by their position. The number of deputies is 508, or 1 to every 57,000 of the population (census 1881). In 1892 the number of enrolled electors was 3,005,974, including 71,529 temporarily disfranchised on account of military service. At the general election in November 1892, the number of those who voted was 1,639,298, or 55·9 per cent. of those who had the right to vote. For electoral purposes the whole of the Kingdom is divided into 508 electoral colleges or districts, and these again into several sections. No deputy can be returned to Parliament unless he has obtained a number of votes greater than one-sixth of the total number of inscribed electors, and than half the votes given. A deputy must be thirty years old, and have the requisites demanded by the electoral law. Incapable of being elected are all salaried Government officials, as well as all persons ordained for the priesthood and filling clerical charges, or receiving pay from the State. Officers in the army and navy, ministers, under-secretaries of State, and various other classes of functionaries high in office, may be elected, but their number must never be more than forty, not including the ministers and the under-secretaries of State. Neither senators nor deputies receive any salary or other indemnity, but are allowed to travel free throughout Italy by rail or steamer.

The duration of Parliaments is five years; but the King has the power to dissolve the lower House at any time, being bound only to order new elections, and convoke a new meeting within four months. It is incumbent upon the

executive to call the Parliament together annually. Each of the Chambers has the right of introducing new bills, the same as the Government; but all money bills must originate in the House of Deputies. The ministers have the right to attend the debates of both the upper and the lower House; but they have no vote unless they are members. The sittings of both Chambers are public; and no sitting is valid unless an absolute majority of the members are present.

The executive power is exercised, under the King, by a ministry divided into 11 departments. The ministry, constituted December 15, 1893, is as follows:—

1. *President of the Council and Minister of Interior.*—Signor *Crispi.*
2. *Minister of Foreign Affairs.*—Baron *Blanc.*
3. *Minister of the Treasury.*—Signor *Sonnino.*
4. *Minister of Finance.*—Signor *Boselli.*
5. *Minister of Justice and of Ecclesiastical Affairs.*—Signor *Calenda di Tavani.*
6. *Minister of War.*—General *Mocenni.*
7. *Minister of Marine.*—Admiral *Morin.*
8. *Minister of Commerce, Industry, and Agriculture.*—Signor *Barazzuoli*
9. *Minister of Public Instruction.*—Signor *Bacelli.*
10. *Minister of Public Works.*—Signor *Saracco.*
11. *Minister of Posts and Telegraphs.*—Signor *Ferraris.*

#### LOCAL GOVERNMENT.

The two principal elective local administrative bodies are the communal councils and the provincial councils. According to the law of February 10, 1889, each commune has a communal council, a municipal council, and a syndic. Both the communal councils and the municipal councils vary according to population, the members of the latter being selected by the former from among themselves. The syndic is the head of the communal administration, and is a Government official; he is elected by the communal council from among its own members, by secret vote, in all the chief communes of provinces and districts, and in other communes having more than 10,000 inhabitants. In other communes the syndic is appointed by the King from among the communal councillors. Each province has a provincial council and a provincial commission, the numbers varying according to population. The council elects its president and other officials. The provincial commission is elected by the council from its own members. It conducts the business of the province when the latter is not sitting. Both communal and provincial councillors are elected for five years, one-fifth being renewed every year. The

communal council meets twice and the provincial once a year in ordinary session, though they may be convened for extraordinary purposes. All communal electors are eligible to the council except those having an official or pecuniary interest in the commune. Persons not resident in the province, or having no solid interest in it, or who do not pay taxes on movable property, as well as officials in any way interested in the province, are ineligible to the provincial councils. Electors must be Italian citizens, twenty-one years of age, able to read and write, be on the Parliamentary electoral list, or pay a direct annual contribution to the commune, of any nature, or comply with other conditions of a very simple character.

In 1889 the number of enrolled *administrative* electors was 3,420,987, of whom 77,112 were temporarily deprived of electoral rights. In the general communal elections of 1889, 2,002,630 electors voted, or 59·9 per cent. of the total number.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

The first census of United Italy was taken on December 31, 1861, but at that date Venetia, certain districts of the province of Mantua, and the present province of Rome had not been annexed, and were excluded from the census. At the censuses of 1871 and 1881, the area was, as now, 114,410 square miles. In 1861 the area of the Kingdom of Italy was about 96,500 square miles. The census of 1861, of 1871, and of 1881 gave the following results:—December 31, 1861 (excluding the regions annexed, Venetia, southern part of Mantua, and the province of Rome), 21,777,334; December 31, 1871 (present territory), 26,801,154; December 31, 1881 (present territory), 28,459,628.

The following figures show the increase of the population of the present territory of the Kingdom of Italy from 1800 onwards, in round numbers:—

Year	Population	Increase per cent. per annum	Year	Population	Increase per cent. per annum
1800	18,124,000	—	1848	23,617,000	0·747
1816	18,383,000	0·089	1861	25,000,000	0·450
1825	19,727,000	0·812	1871	26,800,000	0·400
1838	21,975,000	0·876	1881	28,460,000	0·619

The Kingdom of Italy is divided into 69 provinces, the names of which, with area (as determined by a recent survey executed by the Italian Government) in English square miles, population in 1881, estimated population, and density per square mile



in 1893, are given in the subjoined table, which is classified according to the old *compartimenti*, not now recognised as legal divisions :—

Provinces and Compartimenti	Area in square miles	Population, Present : Census 1881			Estimated Population Dec. 31, 1893	Population per square mile, 1893
		Males	Females	Total		
Alessandria . . .	1,950	374,060	355,650	729,710	784,935	402·40
Cuneo . . .	2,882	321,423	313,977	635,400	657,278	228·07
Novara . . .	2,553	327,010	348,916	675,926	743,340	291·14
Torino . . .	3,955	506,175	523,039	1,029,214	1,103,684	278·96
<b>Piedmont . . .</b>	<b>11,340</b>	<b>1,528,668</b>	<b>1,541,582</b>	<b>3,070,250</b>	<b>3,289,237</b>	<b>289·97</b>
Genova . . .	1,582	376,408	383,714	760,122	821,511	519·08
Porto Maurizio . . .	455	65,630	66,621	132,251	143,104	314·37
<b>Liguria . . .</b>	<b>2,037</b>	<b>442,038</b>	<b>450,335</b>	<b>892,373</b>	<b>964,615</b>	<b>473·34</b>
Bergamo . . .	1,098	196,915	193,860	390,775	419,599	382·02
Brescia . . .	1,845	240,669	230,899	471,568	491,062	266·01
Como . . .	1,091	256,444	258,606	515,050	563,808	516·73
Cremona . . .	695	152,526	149,612	302,138	306,241	440·88
Mantova . . .	912	151,328	144,400	295,728	310,179	339·96
Milano . . .	1,223	567,367	547,624	1,114,991	1,259,181	1,029·11
Pavia . . .	1,290	237,527	232,304	469,831	499,730	387·17
Sondrio . . .	1,232	59,189	61,345	120,534	132,612	107·61
<b>Lombardy . . .</b>	<b>9,386</b>	<b>1,861,965</b>	<b>1,818,650</b>	<b>3,680,615</b>	<b>3,982,412</b>	<b>424·16</b>
Belluno . . .	1,293	82,677	91,463	174,140	176,275	136·33
Padova . . .	823	201,652	196,110	397,762	441,635	536·25
Rovigo . . .	685	109,602	108,098	217,700	240,146	350·60
Treviso . . .	960	192,128	183,576	375,704	406,049	422·68
Udine . . .	2,541	247,340	254,405	501,745	527,985	207·76
Venezia . . .	934	178,551	178,157	356,708	381,300	408·08
Verona . . .	1,188	202,769	191,296	394,065	428,574	360·73
Vicenza . . .	1,052	200,461	195,888	396,349	440,191	418·38
<b>Venice . . .</b>	<b>9,476</b>	<b>1,415,180</b>	<b>1,398,993</b>	<b>2,814,173</b>	<b>3,042,155</b>	<b>320·97</b>
Bologna . . .	1,448	232,557	224,917	457,474	487,985	336·85
Ferrara . . .	1,012	117,453	113,354	230,807	251,186	248·12
Forli . . .	725	128,628	122,482	251,110	273,026	376·32
Modena . . .	987	141,308	137,946	279,254	288,208	292·81
Parma . . .	1,250	135,355	131,951	267,306	272,470	217·94
Piacenza . . .	954	116,668	110,049	226,717	229,250	240·30
Ravenna . . .	715	115,143	110,621	225,764	223,943	313·18
Reggio Emilia . . .	876	123,622	121,337	244,959	250,257	285·65
<b>Emilia . . .</b>	<b>7,967</b>	<b>1,110,734</b>	<b>1,072,657</b>	<b>2,183,391</b>	<b>2,276,325</b>	<b>285·70</b>

Provinces and Compartimenti	Area in square miles	Population, Present : Census 1881			Estimated Population Dec. 31, 1893	Population per square mile, 1893
		Males	Females	Total		
Arezzo . . .	1,273	122,958	115,786	238,744	243,758	193·42
Firenze . . .	2,265	400,953	389,923	790,776	820,454	362·18
Grosseto . . .	1,738	64,401	49,894	114,295	123,018	70·75
Livorno . . .	133	61,085	60,527	121,612	125,202	942·65
Lucca . . .	558	135,452	149,032	284,484	289,468	518·82
Massa e Carrara	687	81,813	87,656	169,469	180,479	262·60
Pisa . . .	1,179	147,170	136,393	283,563	306,151	259·54
Siena . . .	1,471	108,033	97,893	205,926	207,481	140·97
Tuscany . . .	9,304	1,121,865	1,087,004	2,208,869	2,296,011	246·69
Ancona . . .	762	130,937	136,401	267,338	273,433	358·76
Ascoli Piceno . .	796	101,907	107,278	209,185	216,839	272·23
Macerata . . .	1,087	116,589	123,124	239,713	243,032	223·51
Pesaro e Urbino	1,118	112,290	110,753	223,043	235,570	210·74
Marches . . .	3,763	461,723	477,556	939,279	968,874	257·42
Perugia(Umbria)	3,748	294,019	278,041	572,060	600,282	160·14
Roma . . .	4,663	480,689	422,783	903,472	1,002,667	214·97
Aquila degli Abruzzi	2,484	164,263	188,764	353,027	379,253	152·62
Campobasso . . .	1,691	176,287	189,147	365,434	379,789	224·32
Chieti . . .	1,138	168,920	175,028	343,948	349,777	308·40
Teramo . . .	1,067	127,319	127,487	254,806	265,945	249·10
Abruzzi e Molise . . .	6,380	636,789	680,426	1,317,215	1,374,764	215·41
Avellino . . .	1,172	194,349	198,270	392,619	414,026	353·09
Benevento . . .	818	118,799	119,626	238,425	246,508	301·45
Caserta . . .	2,033	353,618	360,513	714,131	739,036	363·40
Napoli . . .	350	498,978	502,267	1,001,245	1,125,350	3,217·06
Salerno . . .	1,916	266,129	284,028	550,157	570,212	297·51
Campania . . .	6,289	1,431,873	1,464,704	2,896,577	3,095,132	492·04
Bari delle Puglie	2,065	338,285	341,214	679,499	781,589	378·37
Foggia . . .	2,688	177,873	178,394	356,267	400,927	149·13
Lecce . . .	2,623	276,193	277,105	553,298	633,656	241·46
Apulia . . .	7,376	792,351	796,713	1,589,064	1,816,172	246·15
Potenza (Basili- cata) . . .	3,845	251,621	272,883	524,504	543,443	141·28
Catanzaro . . .	2,030	216,283	217,692	433,975	462,398	227·76
Cosenza . . .	2,568	214,433	236,752	451,185	467,175	181·86
Reggio di Calabria	1,221	184,660	188,063	372,723	397,208	325·14
Calabria . . .	5,819	615,376	642,507	1,257,883	1,326,781	227·94

Provinces and Compartimenti	Area in square miles	Population, Present: Census 1881			Estimated Population Dec. 31, 1893	Population per square mile, 1893
		Males	Females	Total		
Caltanissetta	1,263	136,493	129,886	266,379	317,133	250.94
Catania	1,917	280,014	283,443	563,457	656,515	342.39
Girgenti	1,172	156,034	156,453	312,487	343,082	292.77
Messina	1,246	227,934	232,990	460,924	514,006	412.53
Palermo	1,948	352,722	346,429	699,151	810,483	415.92
Siracusa	1,442	173,295	168,231	341,526	406,652	281.99
Trapani	948	141,612	142,365	283,977	356,794	376.11
Sicily	9,936	1,468,104	1,459,797	2,927,901	3,404,665	342.57
Cagliari	5,204	217,497	203,138	420,635	456,858	87.74
Sassari	4,090	134,891	126,476	261,367	284,504	69.56
Sardinia	9,294	352,388	329,614	682,002	741,362	79.74
Total	110,623	14,265,383	14,194,245	28,459,628	30,724,897	227.67

At the time of the census of 1881, the resident or legal population was 28,953,480. The number of foreigners in Italy was 59,956, of whom 16,092 were Austrians, 12,104 Swiss, 10,781 French, 7,302 English, 5,234 Germans, 1,387 Russians, 1,286 Americans (United States), 1,212 Greeks, 922 Spaniards, and the rest mainly Turks, Belgians, Swedes and Norwegians, Dutch, Egyptians, Argentines, Brazilians.

The administrative divisions of Italy are provinces, territories (circondari), districts (distretti), and communes. There are 69 provinces: of which 60 are divided into territories, and 9 (the province of Mantua and the 8 provinces of Venetia) into districts. There are 197 territories (circondari), and 87 districts (distretti). The territories (circondari) and districts are divided into communes (comuni), of which at the census of 1881 there were 8,259; the number at present (October, 1894) is 8,258.

The population of Italy is in general perfectly homogeneous. According to statistics of 1861, the exceptions are: about 100,000 of French origin, in the territories of Aosta, Pinerolo, and Susa, in the province of Torino; from 3,000 to 4,000 of Teutonic origin in some communes of the territories (circondari) of Domodossola and Varallo, in the province of Novara, and of Aosta, in the province of Torino; from 55,000 to 60,000 of Albanian origin, in a dozen communes of Nearer Calabria, and in some communes of the provinces of Foggia, Avellino, Potenza, and Palermo; from 20,000 to 25,000 of Greek origin, in a few communes of Nearer and Further Calabria, and of the province of Lecce; lastly, from 7,000 to 8,000 of Spanish (Catalan) origin, settled in Alghero in the province of Sassari, in Sardinia.

The population over 16 years of age in 1881 was 19,301,420; of these 7,047,163 were unmarried, 10,361,039 were married, and 1,893,218 were widowers or widows. Of the whole population, 16,205,371 or 56.9 per cent. were unmarried; 10,361,039 or 36.5 per cent. were married; and 1,893,218 or 6.6 per cent. were widowers or widows.

The numbers of inhabitants at the different centres do not in Italian statistics afford a sufficient basis for distinguishing between the urban and rural

population. In Northern Italy the population is scattered over the country and there are few centres. In Southern Italy and in the islands the country people live in the towns, coming and going to cultivate their own plots of land; consequently there are many populous centres where, if numbers alone were considered, the population would be regarded as urban, though it is, in truth, almost exclusively rural. The following statement gives the number of the head communes (capoluoghi) of provinces and of territories (circondari) or districts, with their population according to the census of 1881, but many of these local capitals have under 6,000 inhabitants:—

Head communes of provinces	. 69	population .	4,509,159
"    "    of territories (circondari) or districts	. 215	"    "	. 2,573,004
Total	. . . . . 284	"    "	. 7,082,163
Other communes	. . . . .	"    "	. 21,377,465
Total population	. . . . .	"    "	. 28,459,628

The following table gives the population according to occupation in 1881, exclusive of children under 9 years:—

Occupation	Male	Female	Total
Agriculture . . . . .	5,124,431	3,048,951	8,173,382
Raising of animals and apiculture . . . . .	213,556	30,896	244,452
Horticulture . . . . .	58,914	14,925	73,839
Sylviculture . . . . .	53,226	6,425	59,651
Fishing and chase . . . . .	47,901	340	48,241
Mining . . . . .	58,937	575	59,512
Mineral industry . . . . .	755	—	755
Industrial productions . . . . .	2,281,317	1,904,144	4,185,461
Inns, clothing, &c. . . . .	51,500	99,594	151,094
Commerce . . . . .	246,618	33,155	279,773
Transport . . . . .	310,347	2,664	313,011
Proprietors and pensioners . . . . .	427,456	535,425	962,881
Employés and domestics . . . . .	265,605	447,800	713,405
National defence . . . . .	160,155	—	160,155
Civil administration . . . . .	167,252	3,400	170,652
Public worship . . . . .	103,161	28,424	131,585
Justice . . . . .	28,248	2	28,250
Sanitary service . . . . .	44,333	15,384	59,717
Instruction . . . . .	32,908	46,887	79,795
Fine arts, &c. . . . .	31,174	-4,450	35,624
Literature and applied science . . . . .	19,740	35	19,775
Hawkers . . . . .	28,993	5,457	34,450
Workmen, porters, &c. . . . .	121,562	8,267	129,829
Prisoners, paupers, &c. . . . .	73,188	56,493	129,681
Students, housekeepers, &c. . . . .	582,407	4,143,274	4,725,681
No occupation stated . . . . .	725,284	855,691	1,580,975
<b>Total . . . . .</b>	<b>11,258,968</b>	<b>11,292,158</b>	<b>22,551,126</b>

Number of proprietors in Italy on December 31, 1881 :—

	Land		Buildings		Land and Buildings		Total		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
Agriculturists	219,328	131,181	204,395	59,406	1,033,753	227,175	1,457,476	417,762	1,875,238
Pensioners and persons of means . . .	26,370	70,311	27,938	54,702	289,985	263,733	344,293	388,746	733,039
Other categories	102,088	133,524	249,725	185,768	579,885	274,165	931,698	593,457	1,525,155
Total . . .	347,786	335,016	482,058	299,876	1,903,623	765,073	2,733,467	1,399,965	4,133,432

II. MOVEMENT OF POPULATION.

1. *Births, Deaths, and Marriages.*

Year	Marriages	Births Living			Stillborn	Deaths exclusive of the Stillborn	Surplus of Births
		Legitimate	Illegitimate and Exposed	Total			
1889	230,451	1,064,798	84,399	1,149,197	43,945	768,068	381,129
1890	221,972	1,004,255	78,848	1,083,103	42,117	795,911	287,192
1891	227,656	1,052,098	80,041	1,132,139	44,360	795,327	336,812
1892	228,572	1,032,617	77,956	1,110,573	44,758	802,779	307,794
1893 <sup>1</sup>	225,523	1,047,669	77,477	1,125,146	46,039	776,704	348,442

<sup>1</sup> The numbers for 1893 are provisional.

2. *Emigration.*

The following table shows the numbers of emigrants from Italy to various parts of the world, according to Italian statistics, for six years :—

	1888	1889	1890	1891	1892	1893
Europe . . .	82,941	92,631	100,259	103,885	107,025	104,482
North Africa . .	3,089	2,177	2,020	2,131	2,317	3,119
America—						
United States	34,292	25,881	48,019	44,359	42,953	49,765
Canada . . .						
Mexico, Colombia, Venezuela, Central America	640	1,037	926	2,036	1,342	1,088
Brazil . . .	97,730	16,953	16,233	108,414	36,448	45,324
Chili and Peru .	359	375	3,334	896	734	657
The Argentine, Uruguay, and Paraguay	65,958	75,058	41,352	27,542	28,542	36,212
America (country not named) . .	5,285	3,877	4,553	3,062	3,577	4,871
Other countries .	442	423	548	1,143	518	851
Total . . .	290,736	218,412	217,244	293,631	223,667	246,751

This classification is founded upon the declarations of intending emigrants made before the syndics (or mayors) of communes on application for passports, and the figures differ considerably from those given in the statistics of the various countries mentioned. The difference is explained chiefly by the fact that, in many cases, emigration to other European States, intended to be temporary, becomes permanent, the emigrants embarking for America from their temporary home.

To the emigration in 1893 the different parts of Italy contributed as follows:—Piemonte, 35,521 (18,280 temporary); Liguria, 4,241 (442 temporary); Lombardia, 15,770 (6,033 temporary); Veneto, 76,756 (67,037 temporary); Emilia, 7,225 (3,516 temporary); Toscana, 12,466 (6,200 temporary); Marche, 1,769 (138 temporary); Umbria, 269 (17 temporary); Lazio, 236 (215 temporary); Abruzzi e Molise, 13,367 (3,772 temporary); Campania, 34,514 (8,243 temporary); Puglie, 1,899 (1,029 temporary); Basilicata, 9,005; Calabria, 18,998 (1,455 temporary); Sicilia, 14,626 (6,024 temporary); Sardinia, 89 (48 temporary); total 246,751 (122,439 temporary).

The number of Italians abroad in 1891 was officially estimated at about 2,000,000.

### III. PRINCIPAL TOWNS.

The communal population of the capitals and provinces was as follows on December 31, 1893:—

Towns	Popula- tion	Towns	Popula- tion	Towns	Popula- tion
Naples . .	522,700	Perugia . .	56,800	Mantova . .	29,600
Rome . . .	451,000	Ancona . . .	55,000	Ascoli Piceno .	29,200
Milan . . .	432,400	Parma . . .	50,600	Siena . . . .	29,000
Turin . . .	335,900	Trapani . .	47,000	Cuneo . . . .	28,700
Palermo . .	276,000	Foggia . . .	45,300	Avellino . . .	26,400
Genoa . . .	215,300	Bergamo . .	44,500	Benevento . .	25,200
Florence . .	200,300	Forlì . . . .	44,400	Siracusa . . .	25,200
Venice . . .	150,900	Reggio di Cal.	44,100	Pesaro . . . .	24,700
Messina . .	146,400	Arezzo . . .	43,400	Massa . . . .	24,400
Bologna . .	142,400	Cagliari . .	42,600	Girgenti . . .	24,200
Catania . .	121,000	Sassari . . .	41,200	Macerata . . .	23,600
Leghorn . .	103,600	Vicenza . . .	40,500	Chieti . . . .	22,800
Ferrara . .	85,200	Novara . . .	39,500	Teramo . . . .	21,000
Padua . . .	80,100	Piacenza . .	37,500	Aquila degli	
Lucca . . .	77,300	Cremona . .	37,400	Abruzzi . . .	20,800
Bari . . . .	75,300	Pavia . . . .	37,400	Cosenza . . . .	18,800
Alessandria .	74,700	Udine . . . .	36,600	Potenza . . . .	18,400
Verona . . .	69,900	Caltanissetta .	36,500	Belluno . . . .	17,700
Brescia . . .	66,700	Salerno . . .	36,000	Campobasso . .	15,800
Ravenna . .	66,200	Treviso . . .	35,200	Rovigo . . . .	11,600
Modena . . .	64,900	Caserta . . .	34,000	Sondrio . . . .	9,100
Pisa . . . .	62,400	Catanzaro . .	33,700	Grosseto . . .	8,800
Reggio nell'		Como . . . .	32,600	Porto Maurizio	7,900
Emilia . . .	56,700	Lecce . . . .	30,100		

**San Marino.**—Embraced in the area of Italy is the independent Republic, and one of the oldest States in Europe, San Marino. It has an area of 32 square miles, and a population of about 8,200 (1891). Its annual revenue is about 227,000 lire, and expenditure 226,000. It has no public debt. In 1872 it concluded a treaty of protective friendship with the Kingdom of Italy.

### Religion.

The Roman Catholic Church is, nominally, the ruling State religion of Italy; but many Acts of the Legislature, passed since the establishment of the Kingdom, and more especially since the suppression of the Supreme Pontiff's temporal government, have subordinated the power of the Church and clergy to the authority of the civil government, and secured perfect religious freedom to the adherents of all creeds without exception. However, scarcely any other creed as yet exists but Roman Catholicism. At the census of 1881, of the total population about 62,000 were Protestants and 38,000 Jews. Of the Protestants 22,000 belonged to the Waldensian Church of Piedmont, about 10,000 to the other evangelical Italian Churches, and 30,000 to foreign Protestant bodies. In 1861 (exclusive of Veneto and the province of Rome) the total number of Protestants was 32,684, and of Jews 22,458; and in 1871 (inclusive of Veneto and Rome), there were 58,651 Protestants, and 35,356 Jews.

Under the Roman Pontiff, the Catholic episcopal hierarchy in Italy consists of 49 archbishoprics and 221 bishoprics, besides the 6 cardinal-bishoprics near Rome. Of these, 76 are immediately subject to the Apostolic See, 12 being archbishoprics. Thus there are altogether 37 metropolitan sees. Every archbishop or bishop is appointed by the Pope, on the advice of a council of Cardinals; but the royal *exequatur* is necessary for his installation. The number of parishes in 1881 was 20,465; of churches and chapels, 55,263; of parochial clergy, 76,560.

The immense wealth of the Italian clergy has greatly dwindled since the year 1850, when the Siccardi bill, abolishing external ecclesiastical jurisdiction and clerical privileges, passed the Sardinian Chambers. This law was extended, in 1861, over the whole Kingdom, and had the effect of rapidly diminishing the numbers as well as the incomes of the clergy.

In 1865 there were 2,382 religious houses in Italy, of which 1,506 were for men and 876 for women. The number of religious persons was 28,991, of whom 14,807 were men and 14,184 women. The mendicant orders numbered 8,229 persons, comprised in the above-mentioned total. A law for the entire suppression of all religious houses throughout the Kingdom was adopted by the Italian Parliament in 1866. This law provided a small pension to all religious persons who had taken regular vows before January 18, 1864. Several

monasteries were temporarily set aside for such monks, friars, or nuns as might wish to continue their conventual life, the inmates, when come down to a certain number, to be drafted off to another house, and so again, until all finally died out. All collegiate chapters were likewise dissolved. The lands and goods of these suppressed bodies were appropriated by the State.

### SEE AND CHURCH OF ROME.

The 'Statuto fondamentale del Regno' enacts, in its first article, that 'the Catholic, Apostolic, and Roman religion is the sole religion of the State.' By the terms of the Royal decree of Oct. 9, 1870, which declared that 'Rome and the Roman Provinces shall constitute an integral part of the Kingdom of Italy,' the Pope or Roman Pontiff was acknowledged supreme head of the Church, preserving his former rank and dignity as an independent sovereign prince. Furthermore, by a bill that became law May 13, 1871, there was guaranteed to His Holiness and his successors for ever, besides possession of the Vatican and Lateran palaces and the villa of Castel Gandolfo, a yearly income of 3,225,000 lire or 129,000*l.*, which allowance (whose arrears, if not lapsing by prescription after five years, would in 1895 amount to 77,400,000 lire, or 3,096,000*l.*) still remains unclaimed and unpaid.

*Supreme Pontiff.*—**Leone XIII.** (**Gioacchino Pecci**), born at Carpineto in the diocese of Anagni, March 2, 1810, son of Count Luigi Pecci; consecrated Archbishop of Damiatina 1843; Apostolic Nuncio to Belgium 1843-46; Bishop of Perugia 1846; proclaimed Cardinal December 19, 1853; elected Supreme Pontiff, as successor of Pio IX., February 20, 1878; crowned March 3 following.

The election of a Pope ordinarily is by *scrutiny*. Each Cardinal in conclave writes on a ticket his own name with that of the Cardinal whom he chooses. These tickets, folded and sealed, are laid in a chalice which stands on the altar of the conclave chapel; and each elector approaching the altar repeats a prescribed form of oath. Thereupon the tickets are taken from the chalice by scrutators appointed from the electing body; the tickets are compared with the number of Cardinals present, and when it is found that any Cardinal has two-thirds of the votes in his favour he is declared elected. Should none have received the needful number of votes, another process is gone through, viz., *access*—so called because any Cardinal may accede to the choice of another by filling up another ticket made for that purpose. The present Pontiff, Leone XIII., was chosen unanimously. He is regarded as the 263rd Pope (or thereabouts) from St. Peter.

The rise of the Roman Pontificate, as an avowed temporal sovereignty, dates from the year 755, when Pippin, King of the Franks, gave to Pope Stefano III. the Exarchate and Pentapolis (or Romagna), conquered from the Lombards, to which Charles the Great added part of Tuscany and Sabina; and three centuries later Countess Matilda of Tuscany bequeathed to the Holy See her ample territories. Rome, however, with the Roman duchy, came practically under the Pope's civil dominion in the days of Gregorio the Great (590-604). In 1860 the whole Pontifical State comprised an area of about 16,000 square miles, with a population of 3,125,000 souls; thenceforth, until 1870, about 5,000 square miles and 692,000 souls.



From the accession of Martino V., 213th in the usual list of Pontiffs, to Leone XIII., 263rd in the list, the Popes have been as follows :—

No. in the list	Name of Pontiff	Nationality	Year of Election	No. in the list	Name of Pontiff	Nationality	Year of Election
213	Martino V.	Italian	1417	239	Leone XI.	Italian	1605
214	Eugenio IV.	"	1431	240	Paolo V.	"	1605
215	Niccolò V.	"	1447	241	Gregorio XV.	"	1621
216	Calisto III.	Spanish	1455	242	Urbano VIII.	"	1623
217	Pio II.	Italian	1458	243	Innocenzo X.	"	1644
218	Paolo II.	"	1464	244	Alessandro VII.	"	1655
219	Sisto IV.	"	1471	245	Clemente IX.	"	1667
220	Innocenzo VIII.	"	1484	246	Clemente X.	"	1670
221	Alessandro VI.	Spanish	1492	247	Innocenzo XI.	"	1676
222	Pio III.	Italian	1503	248	Alessandro VIII.	"	1689
223	Giulio II.	"	1503	249	Innocenzo XII.	"	1691
224	Leone X.	"	1513	250	Clemente XI.	"	1700
225	Adriano VI.	Dutch	1522	251	Innocenzo XIII.	"	1721
226	Clemente VII.	Italian	1523	252	Benedetto XIII.	"	1724
227	Paolo III.	"	1534	253	Clemente XII.	"	1730
228	Giulio III.	"	1550	254	Benedetto XIV.	"	1740
229	Marcello II.	"	1555	255	Clemente XIII.	"	1758
230	Paolo IV.	"	1555	256	Clemente XIV.	"	1769
231	Pio IV.	"	1559	257	Pio VI.	"	1775
232	Pio V.	"	1566	258	Pio VII.	"	1800
233	Gregorio XIII.	"	1572	259	Leone XII.	"	1823
234	Sisto V.	"	1585	260	Pio VIII.	"	1829
235	Urbano VII.	"	1590	261	Gregorio XVI.	"	1831
236	Gregorio XIV.	"	1590	262	Pio IX.	"	1846
237	Innocenzo IX.	"	1591	263	Leone XIII.	"	1878
238	Clemente VIII.	"	1592				

The Bishop of Rome, or Pope, by Roman Catholics accounted Vicar of Jesus Christ upon earth and in that office Successor of St. Peter, is the absolute and irresponsible ruler of the Roman Catholic Church. His *ex cathedra* definitions on matters of faith or morals are held to be infallible, and there is no appeal against his judgments. The Roman Pontiff seeks advice from the Sacred College of Cardinals, consisting, when complete, of seventy members, namely, six cardinal-bishops, fifty cardinal-priests, and fourteen cardinal-deacons, but hardly ever comprising the full number. In December 1894 the Sacred College consisted of six cardinal-bishops, forty-nine cardinal-priests, and seven cardinal-deacons. The following list gives the names of these sixty-two cardinals :—

Names	Office or Dignity	Nationality	Year of Birth	Year of Creation
<i>Cardinal-Bishops:—</i>				
Raffaele Monaco La Valletta	Bp. of Ostia & Velletri, Dean Sacr. Coll., Prefect Congr. Ceremonial, Gr. Penitentiary, Archpriest of the Lateran Arch-Basilica, Gr. Prior in Rome of the Sov. Order of St. John of Jerusalem	Italian	1827	1868
Luigi Oreglia di Santo Stefano	Bp. of Porto & Santa Rufina, Sub-Dean of the Sacred College, Camerlengo of Holy Roman Church	„	1828	1873
Lucido Maria Parocchi	Bishop of Albano, Vicar-General of His Holiness	„	1833	1877
Angelo Bianchi	Bishop of Palestrina, Pro-Datary of His Holiness	„	1817	1882
Serafino Vannutelli	Bp. of Frascati, Prefect Congreg. Index	„	1834	1887
Mario Mocenni	Bishop of Sabina	„	1823	1893
<i>Cardinal-Priests:—</i>				
Gustav Adolf von Hohenlohe	Archpriest of the Liberian Basilica	German	1823	1866
Luciano Bonaparte	—	Italian	1828	1868
Mieczyslaw Ledóchowski	Prefect of the Congr. <i>de Propaganda Fide</i>	Polish	1822	1875
Francisco de Paula Benavides y Navarrete	Archbp. of Zaragoza	Spanish	1810	1877
Luigi di Canossa	Bishop of Verona	Italian	1809	1877
Julien Florian Félix Desprez	Archbp. of Toulouse	French	1807	1879
Americo Ferreira dos Santos Silva	Bishop of Oporto	Portuguese	1829	1879
José Sebastião Neto	Patriarch of Lisbon	„	1841	1884
Guglielmo Sanfelice di Acquavella	Archbp. of Naples	Italian	1834	1884
Pietro Geremia Michelangelo Celesia	„ Palermo	Sicilian	1814	1884
Ant. Monescillo y Viso	„ Toledo	Spanish	1811	1884
Paul Melchers	—	German	1813	1885
Alfonso Capecehatro	Archbishop of Capua	Italian	1824	1885
Patrick Francis Moran	„ Sydney	Irish	1830	1885

Names	Office or Dignity	Nationality	Year of Birth	Year of Creation
<i>Cardinal-Priests—cont.</i>				
Elzéar Alexandre } Taschereau . . . }	Archbp. of Quebec .	Canadian	1820	1886
Benoît M. Langénieux	„ Reims	French .	1824	1886
James Gibbons . . .	„ Baltimore	American	1834	1886
Gaetano Aloisi-Ma- } sella . . . }	Prefect of the Congr. } of Sacred Rites . }	Italian .	1826	1887
Camillo Siciliano di } Rende . . . }	Archbp. of Benevento	„	1847	1887
Mariano Rampolla } del Tindaro . . }	Pontifical Secretary of State, Arch- priest of the Vati- can Basilica . }	„	1843	1887
Agostino Bausa . . .	Archbp. of Florence .	„	1821	1887
François Marie Ben- } jamin Richard . }	„ Paris .	French .	1819	1889
Peter Lambert Goossens	„ Mechlin .	Belgian .	1827	1889
Franz de Paula von } Schönborn . . }	„ Prague .	Bohemian	1844	1889
Vincenzo Vannutelli .	—	Italian .	1836	1889
Sebastiano Galeati .	Archbp. of Ravenna .	„	1824	1890
Anton Joseph Gruscha	„ Vienna .	Austrian.	1820	1891
Luigi Ruffo-Scilla . .	—	Italian .	1840	1891
• Giuseppe Guarino . .	Archbp. of Messina .	Sicilian .	1827	1893
Amilcare Malagola . .	„ Fermo .	Italian .	1840	1893
• Angelo di Pietro . . .	Prefect Cong. Council	„	1828	1893
Benito Sanz y Forés .	Archbp. of Seville .	Spanish .	1828	1893
Guillaume René } Meignan . . . }	„ Tours .	French .	1817	1893
• Philipp Kremenz . . .	„ Köln .	German .	1819	1893
Ignazio Persico . . .	Pref. Congr. Indul- } gences & Sacr. Relics }	Italian .	1823	1893
• Michael Logue . . . .	Archbp. of Armagh .	Irish .	1840	1893
• Luigi Galimberti . . .	Prefect of the Ar- } chives of the Holy }	Italian .	1836	1893
• Claudius Vaszary . . .	See			
• Herbert Vaughan . . .	Archbp. of Gran .	Hungarian	1832	1893
• Georg Kopp . . . . .	„ Westminster	English .	1832	1893
• Victor Lucien Sul- } pice Lecot . . . }	Bishop of Breslau .	German .	1837	1893
Giuseppe Maria } Granniello . . }	Archbp. of Bordeaux	French .	1831	1893
• Joseph Christian } Ernest Bourret }	—	Italian .	1834	1893
• Lorenz Schlauch . . .	Bishop of Rodez .	French .	1827	1893
• Giuseppe Sarto . . . .	„ Gross-Wardein	Hungarian	1824	1893
Ciriaco Maria . . . . .	Patriarch of Venice .	Italian .	1835	1893
San c a y Nervas . . . }	Archbp. of Valencia.	Spanish .	1838	1894
Egidio Mauri . . . . .	„ Ferrara .	Italian .	1828	1894

Names	Office or Dignity	Nationality	Year of Birth	Year of Creation
<i>Cardinal-Priests—cont.</i>				
Domenico Svampa	Archbp. of Bologna .	Italian .	1851	1894
Andrea Ferrari .	„ Milan .	„	1850	1894
<i>Cardinal-Deacons:—</i>				
Teodolfo Mertel .	Vice-Chancellor of Holy Roman Church }	„	1806	1858
Isidoro Verga .				
Camillo Mazzella .	Pref. Congr. Bishops and Regulars }	„	1832	1884
Luigi Macchi .				
Gaetano de Ruggiero .	Prefect Congr. Studies	„	1833	1886
Andreas Steinhuber .	—	„	1832	1889
Francesco Segna .	—	„	1816	1889
	—	German .	1825	1893
	—	Italian .	1836	1894

Of these Cardinals 9 were nominated by Pope Pio IX., and 53 by Leone XIII. Under the present Roman Pontiff there have hitherto died 99 Cardinals, of whom 45 were of his own creation.

Though primarily belonging to the local Roman Church, the Cardinals are regarded as Princes of the Church at large. Those living in Curia have a certain yearly allowance, according to circumstances. Originally the Cardinals were simply the parish rectors of Rome, or the deacons of districts there. In 1586 their number was finally settled by Sisto V. at seventy. The Cardinals compose the Pope's Council and the various Sacred Congregations, govern the Church while the pontifical throne is vacant, and elect the deceased Pontiff's successor. They received the distinction of the red hat under Innocenzo IV., during the Council of Lyons, in 1246; and the title of Eminence from Urbano VIII., in 1630.

In 1894, besides the Pope and the Sacred College of Cardinals, the upper Catholic Hierarchy throughout the world comprised 8 patriarchates of the Latin and 5 of the Oriental Rite, 173 archbishoprics of the Latin and 18 of the Oriental Rite, and 713 bishoprics of the Latin and 53 of the Oriental Rite. The list was as follows:—

### I. Patriarchates.

*Latin Rite*:—1. Constantinople; 2. Alexandria; 3. Antioch; 4. Jerusalem; 5. Venice; 6. Lisbon; 7. West Indies; 8. East Indies.

*Oriental Rite*:—1. Antioch, of the Maronites; 2. Antioch, of the Melchites; 3. Antioch, of the Syrians; 4. Babylon, of the Chaldeans; 5. Cilicia, of the Armenians.

### II. Archbishoprics.

<i>Latin Rite</i> :—		Græco-Ruthenian Rite . . . . .	1
Immediately subject to the Holy See . . . . .	19	Under Patriarchs:	
With Ecclesiastical Provinces . . . . .	154	Armenian Rite. . . . .	1
<i>Oriental Rite</i> :—		Græco-Melchite Rite . . . . .	3
With Ecclesiastical Provinces:		Syriac Rite . . . . .	3
Armenian Rite . . . . .	1	Syro-Chaldaic Rite . . . . .	2
Græco-Roumanian Rite . . . . .	1	Syro-Maronite Rite . . . . .	6
			191

III. *Bishoprics.*

<i>Latin Rite</i> :—		Græco-Roumanian Rite . . . . .	3
Immediately subject to the Holy See . . . . .	85	Græco-Ruthenian Rite . . . . .	6
Suffragan in Ecclesiastical Provinces . . . . .	628	Under Patriarchs :	
		Armenian Rite . . . . .	16
		Græco-Melchite Rite . . . . .	8
<i>Oriental Rite</i> :—		Syriac Rite . . . . .	6
Immediately subject to the Holy See :		Syro-Chaldaic Rite . . . . .	10
Græco-Ruthenian Rite . . . . .	2	Syro-Maronite Rite . . . . .	2
Suffragan in Ecclesiastical Provinces :			<hr/>
			766

Besides the above sees, and 17 sees 'nullius dioceseos,' there are now 8 apostolic delegations, 119 apostolic vicariates, and 37 apostolic prefectures, most of them held by titular archbishops or bishops (formerly called 'in partibus infidelium').

The summary of actual dignitaries stood as follows for the beginning of 1894 (each dignitary being reckoned under his highest rank and title) :—

Sacred College of Cardinals . . . . .	62
Patriarchs of either Rite . . . . .	9
Archbishops and Bishops of the Latin Rite, Residential . . . . .	785
Archbishops and Bishops of the Oriental Rite . . . . .	52
Archbishops and Bishops, Titular . . . . .	324
Archbishops and Bishops now without title . . . . .	15
Prelates <i>Nullius Dioceseos</i> . . . . .	8
	<hr/>
Total . . . . .	1,255

The central administration of the Roman Catholic Church is carried on by a number of permanent committees called Sacred Congregations, composed of Cardinals, with Consultors and Officials. There are now twenty Sacred Congregations, viz, Inquisition or Holy Office, Consistorial, Apostolic Visitation, Bishops and Regulars, Council, Residence of Bishops, State of Regulars, Ecclesiastical Immunity, Propaganda, Propaganda for Eastern Rite, Index, Sacred Rites, Ceremonial, Regular Discipline, Indulgences and Sacred Relics, Examination of Bishops, Fabric of St. Peter's, Laetana, Extraordinary Ecclesiastical Affairs, Studies.

The apostolic delegations, vicariates, and prefectures throughout the world stand under the 'Congregatio de Propagandâ Fide,' and are at present distributed as follows :—

Continents, &c.	Apostolic Delegations	Apostolic Vicariates	Apostolic Prefectures
Europe . . . . .	2	12	4
Asia . . . . .	4	55	9
Africa . . . . .	1	23	18
America . . . . .	1	16	4
Oceania . . . . .	0	13	2
Total . . . . .	8	119	37

### Instruction.

The State regulates public instruction, and maintains, either entirely or in conjunction with the communes and provinces, public schools of every grade. Every teacher in a public institution maintained by the State, or by any other public body, must have the qualifications required by law; and in all public institutions not belonging to the State, the same programme must be followed, and the same rules observed. No private person can keep a school without having obtained the authorisation of the State.

Elementary education is compulsory for children between six and nine years of age. (Of these, according to the census of 1881, there were 1,808,129.) The compulsory clause is by no means strictly enforced. The enactment, however, provided that education for children of school age should be compulsory only when the supply of teachers should reach the proportion to population, in the least populous communes, of one to every 1,000 inhabitants; in the most populous, one to every 1,500 inhabitants. In 1891, out of 8,257 communes, there remained only three where the law was not applied.

Schools in Italy may be classified under four heads, according as they provide: (1) elementary instruction; (2) secondary instruction—classical; (3) secondary instruction—technical; (4) higher education.

(1) Schools providing elementary instruction are of two grades. Religious instruction is given to those whose parents request it. Only the *lower-grade* instruction is compulsory. Every commune must have at least one lower-grade school for boys and one for girls; and no school with only one master should have more than seventy pupils. Higher-grade elementary schools are required in communes having normal and secondary schools, and in those with over 4,000 inhabitants. In both grades the instruction is free.

(2) Secondary instruction—classical—is provided in the *ginnasi* and *licei*, the latter leading to the universities.

(3) Secondary instruction—technical. This is supplied by the technical schools, technical institutes, and institutes for the mercantile marine.

(4) Higher education is supplied by the universities, by other higher institutes, and by special higher schools.

Of these various educational institutions, the elementary schools are supported by the communes, subsidies or free loans being occasionally granted by the State. In the normal schools and *licei*, the State provides for the payment of the staff and for scientific material. The *ginnasi* and technical schools should, according to the general law, be supported by the communes; but, in many cases, the cost of these is borne, in great part, by the State. In the technical institutes, half the sum paid to the staff is provided by the State. The universities are maintained by the State and by their own ancient revenues, such expenses as those for scientific material, laboratories, &c., being, in some cases, borne by the various provinces of the university region. The higher special schools are maintained conjointly by the State, the province, the commune, and, sometimes, the local Chamber of Commerce.

The actual expenditure of State funds by the Ministry of Public Instruction in 1892-93 was 40,974,936 lire; the provinces in 1891 expended 5,390,045 lire; and the communes in 1891 (including subsidies from the State and the provinces), 74,793,108 lire. There are, besides, revenues derived from foundations (*opere pie*) for the benefit of schools of different grades, generally, or in particular communes. For elementary instruction alone, in 1891, there

was expended by the State 5,385,244 lire; by the Provinces 259,863 lire; by the Communes 57,654,620 lire: total, 63,299,727 lire.

The attendance at elementary schools (public and private) has, in the last 27 years, risen from 1,000,000 to 2,400,000; or, allowing for the increase of population, there has been an increase of 80 per cent. in school attendance.

The percentage of illiterates, male and female, over five years for 1861, over six for 1871 and 1881, and over twenty years of age, in 1861, 1871, and 1881, was:—

Year	Over 6 Years		Over 20 Years	
	Male	Female	Male	Female
1861	68·09 <sup>1</sup>	81·27 <sup>1</sup>	65·47	81·52
1871	61·86	71·73	60·17	77·18
1881	54·56	69·32	53·89	72·93

<sup>1</sup> Over 5 years (1861).

The percentage of illiterate conscripts, and of illiterates married, at various intervals from 1866 to 1892 was as follows:—

Year	Illiterate Conscripts	Illiterates Married	
		Male	Female
1866	64·01	59·96	78·97
1871	56·74	57·73	76·73
1881	47·74	48·24	69·90
1891	40·25	41·12	59·16
1892	39·66	40·24	58·10

According to the census of 1881 the number of the population above six years of age who could not read nor write in Upper Italy was 40·85 per cent.; Middle Italy, 64·61 per cent.; South Italy, 79·46 per cent.; and in the Islands, 80·91 per cent. The smallest percentage of illiterates above six years was in Piedmont, 32·27, and the largest in Basilicata, 85·18.

The following are the statistics of elementary (including normal) schools and for higher schools in 1891-92:—

—	Number	Teachers	Pupils		
			Males	Females	Total
<i>Asili</i> for infants . . . . .	2,348	6,135	149,196	142,928	292,124
Public primary day schools:—Regular . . . . .	46,215	47,836	1,182,857	994,167	2,177,024
Do. irregular . . . . .	3,002	2,983	50,189	39,380	89,569
Private do. . . . .	8,404	8,952	62,706	124,733	187,439
Evening and holiday schools . . . . .	7,131	7,144	159,922	64,379	224,301
Normal schools . . . . .	149	1,538	2,135	15,894	18,029
Licei . . . . .	321	1,853	—	—	15,713
Ginnasi . . . . .	735	4,429	—	—	57,525
Technical institutes . . . . .	74	1,315	—	—	9,392
Technical schools . . . . .	399	2,893	—	—	34,244
Naval mercantile do. . . . .	21	179	—	—	1,492

The following is a list of the twenty-one universities of Italy, with statistics for 1891-92 :—

—	Date of Founda- tion.	No. of Teach- ers	Students and Auditors	—	Date of Founda- tion.	No. of Teach- ers	Students and Auditors
State Univer- sities :—				Pisa . .	1338	60	742
Bologna . .	1200	62	1,318	Rome . .	1303	81	1,498
Cagliari . .	1626	32	174	Sassari . .	1677	22	125
Catania . .	1434	47	662	Siena . .	1300	27	218
Genoa . .	1243	61	963	Turin . .	1404	73	2,063
Macerata . .	1290	11	160	Free Univer- sities :—			
Messina . .	1549	43	353	Camerino . .	1727	18	101
Modena . .	1678	39	346	Ferrara . .	1391	21	79
Naples . .	1224	82	4,721	Perugia . .	1276	23	198
Padua . .	1222	65	1,269	Urbino . .	1564	17	67
Palermo . .	1805	62	1,299				
Parma . .	1512	41	313	Total . .		941	17,792
Pavia . .	1300	54	1,123				

There were besides (1891-92) 11 superior collegiate institutions, with 2,033 students; 11 superior special schools, with 860 students; 32 special and practical schools of agriculture (1893), with 887 students; 4 schools of mining (1893), with 77 students; 178 industrial and commercial schools (1892), with 26,692 students; 15 Government fine art institutes (1893), with 3,585 students; 6 Government institutes and conservatoires of music (1893), with 671 students.

In 1891 there were in Italy 32 Government libraries, with 943,903 readers, who had 1,167,462 books given out.

On December 31, 1893, there were in Italy 1,897 periodical publications. Of these, 138 were daily; 144 twice or thrice weekly; 627 weekly; 338 twice or thrice a month; 443 monthly; 105 at intervals of two or more months; 102 occasionally; 525 were political; 318 were economic, juridical, or on social science; 191 agricultural; 216 religious; 172 literary and scientific; 126 medical; 36 musical and dramatic; 10 of the fine arts; 18 military; 11 of geography and travels; 55 humorous (non-political). Of the whole number, 27 were in Italian and a local dialect; 16 in a local dialect only; 25 in Italian and a foreign language (16 French); 19 in foreign languages only (13 French, 6 English).

In 1893 there were 9,489 books published in Italy, comprising 698 religious books; 921 scholastic and educational; 565 historical and geographical; 413 biographical; 1,504 of poetry and general literature; 363 in mathematical, physical, and natural science; 676 in medicine; 1,047 in agriculture, the industries, commerce, &c.

### Justice and Crime.

In Italy, justice in penal matters is administered in the first instance by the Pretori, by the penal tribunals, and by the courts of assize; on appeal, by the penal tribunals, and by the courts of appeal. The highest court is the Court of Cassation, which confines itself to inquiring whether the forms



prescribed by law have been observed. The new penal code came into force on January 1, 1890, abolishing the distinction between crimes and misdemeanours (*crimini e delitti*).

The Pretori have jurisdiction concerning all delicts (*delitti*) punishable by imprisonment not exceeding three months, or banishment not exceeding one year, or by fine not exceeding 1,000 lire. The penal tribunals have jurisdiction in the first instance in offences punishable by imprisonment from three to five years, with or without another year's banishment, or by fine exceeding 1,000 lire. The courts of assize have jurisdiction in all proceedings concerning crimes brought before them by direct citation, or by sentence of the sections of accusation (*sezioni d'accusa*). They have exclusive jurisdiction concerning offences against the internal and external security of the State, and all crimes of a serious character. Appeal is allowed to the penal tribunals from the sentences of the Pretori, and to the courts of appeal from those of the penal tribunals. The court of cassation has power to annul, for illegality, sentences passed by the inferior courts, and to decide questions of jurisdiction or competency.

Italy is divided, for the administration of justice, into 20 appeal court districts, each of which is subdivided into tribunal districts, 162 in all, and these again into *mandamenti*, each with its own magistracy (*Pretura*), 1,548 in all.

Table showing the number of persons convicted of crimes before the various classes of courts, during five years:—

Year	Convictions			
	Total	Before the Pretori	Before the Tribunali (first instance)	Before the Corti d'Assise
1888	340,005	282,646	52,369	4,990
1889	350,917	292,041	54,088	4,788
1890	335,753	270,613	62,080	3,060
1891	360,235	290,625	66,475	3,135
1892	370,305	297,343	69,616	3,346

The number of prisons or penitentiaries, with number of inmates, on June 30, 1891, is given as follows:—

Prisons or Penitentiaries	Number	Inmates		
		Male	Female	Total
Lock-ups . . . . .	1,729	27,058	2,387	29,445
Penal establishments . . . . .	91	29,039	1,384	30,419
Correctional establishments for the young:				
Government reformatories . . . . .	8	1,016	96	1,072
Private reformatories . . . . .	35	2,343	2,000	4,343
Penal colonies ( <i>Colonie di Coatti</i> ) . . . . .	8	2,960	—	2,960
Total . . . . .	1,871	62,412	5,827	68,239

**Pauperism.**

In Italy legal charity, in the sense of a right in the poor to be supported by the parish or commune, or of an obligation on the commune to relieve the

poor, does not exist. Exceptions to this rule are in favour of forsaken children and the sick poor, the former being maintained and the latter supplied with medical attendance at the expense of the province or commune. Public charity in general is exercised through the permanent charitable foundations, called 'Opere pie,' regulated by the law of July 17, 1890. These are very unequally distributed in the different provinces, and their operation is in the manner prescribed and in the territory named in the deeds of foundation, or by the statutes in force. A thorough inquiry into their financial position was made in 1880. The general results were:—Leaving out of account institutions intended for lending, or for the encouragement of saving (that is, *monti di pietà*, *monti frumentari*, *casse di prestanze agrarie*), there were 21,638 *opere pie*, with a gross capital of about 2,000,000,000 francs. Their income and expenses were:—

Gross income . . . . .	Lire. 89,673,307
Burdens (not charitable) . . . . .	7,838,000
Taxes, &c. . . . .	15,131,255
Expenses of administration . . . . .	16,076,779
Total disbursement . . . . .	39,046,034
Balance free . . . . .	50,627,273

Added to this net income were casual legacies, contributions from private benefactors, subsidies from communes (for hospitals), &c., all of which receipts are spent annually, and thus the sum at the disposal of the *opere pie* in 1880 amounted to 96,395,470 lire.

The property of these foundations is constantly increasing. In the space of 13 years (1881–93) the new legacies amounted to 221,315,660 lire. In 1891 the communes spent about 41,601,353 lire, and the provinces about 20,724,960 lire in charity; over one-fourth of the former sum and over three-fourths of the latter being disposed of through the *opere pie*.

## Finance.

### I. STATE FINANCE.

#### *Revenue and Expenditure.*

Direct taxes are those on lands, on houses, and on incomes derived from movable capital and labour. The tax on lands, amounting to about 96 millions, with an additional tenth, is spread over the 9 cadastral compartimenti. That on houses is at the rate of 12·5 per cent. (with three-tenths additional) of the amount taxable, which is two-thirds of the real annual value in the case of factories, and three-fourths in the case of dwelling-houses. By law of July 22, 1894, the tax on incomes from movable wealth was raised to 20 per cent. of the amount taxable. The amount taxable in the case of incomes on which the tax payable may be levied by simply withholding the amount (public funds and treasury bonds) is the whole income; where the tax may be exacted by means of registers it is, with some exceptions, thirty-

fortieths of the income ; in the case of industrial and commercial incomes, it is twenty-fortieths ; for life annuities and incomes from labour alone (professions) it is eighteen-fortieths ; for incomes of State, provincial and communal employees it is fifteen-fortieths. The communes and provinces also tax lands and buildings. The State grants to the communes one-tenth of the proceeds of the tax on incomes as compensation for other communal revenues made over to the State by various laws.

The principal indirect taxes are :—the customs duties, the octroi, the taxes on manufactures, the salt and tobacco monopolies, lotto.

The financial year of Italy ends on June 30. The following table exhibits the total ordinary revenue and expenditure of the Kingdom, together with the annual difference in each of the last seven years, the budget estimates being given for the last two years :—

Years	Total Revenue	Total Expenditure	Difference
	Lire	Lire	Lire
1888-89	1,866,670,029	2,097,131,115	- 230,461,086
1889-90	1,903,170,131	1,879,636,028	+ 23,534,103
1890-91	1,898,177,802	1,852,446,332	+ 45,731,470
1891-92	1,747,951,589	1,796,090,394	- 48,138,805
1892-93	1,748,429,655	1,739,085,890	+ 9,343,765
1893-94	1,774,037,483	1,772,018,331	+ 2,019,152
1894-95	1,679,983,397	1,784,729,503	- 104,746,106

The following table gives an abstract of the official budget accounts for the year ending June 30, 1895, showing the principal sources of revenue and chief branches of expenditure :—

REVENUE		REVENUE—cont.	
	Lire		Lire
A. Ordinary revenue :—		Taxes on transactions :	
1st Category : <sup>1</sup>		Succession duties . . . . .	37,000,000
State property . . . . .	10,304,893	Registration . . . . .	59,000,000
State railways . . . . .	72,129,050	Stamps . . . . .	70,000,000
Various . . . . .	3,866,890	Railway tax . . . . .	18,000,000
		Various . . . . .	28,050,000
Direct taxes :		Indirect taxes :	
Land tax . . . . .	106,400,000	Excise . . . . .	31,500,000
House tax . . . . .	86,300,000	Customs . . . . .	222,000,000
Income tax . . . . .	234,500,000	Octrois . . . . .	52,730,000
		Tobacco (mono-	
		poly) . . . . .	192,500,000

<sup>1</sup> The revenue and the expenditure of each Ministry are divided into four categories :—  
1. *Effective* receipts or expenditure ; 2. Movement of capital ; 3. Construction of railways, &c. ; 4. Receipts or expenditure *d'ordre*.

REVENUE—cont.		REVENUE—cont.	
	Lire		Lire
Salt (monopoly).	71,000,000	Total ordinary revenue	1 555,582,145
Lottery . . . .	68,000,000		
Fines . . . . .	2,000		
Public services :		B. Extraordinary revenue :—	
Posts . . . . .	50,700,000	1st Category (effective receipts)	10,620,706
Telegraphs. . . .	14,016,000		
Prisons . . . . .	6,177,000	2nd Category (movement of capital) :	
Fines . . . . .	2,130,000	Sale of property, &c.	7,565,340
School taxes . . .	5,989,900	Recovery of debts . .	7,090,475
Various . . . . .	6,329,445	New debts . . . . .	98,539,000
Repayments. . . .	36,730,495		
Various receipts . .	9,391,740		
		Total 2nd Category	113,194,815
Total 1st Category	1,494,747,413		
4th Category :		3rd Category (construction of railways) . .	585,731
Working of State domains . . . .	15,439,514		
Interest of paper-money caution fund . . . .	14,875,322	Total extraordinary revenue	124,401,252
Share of gross proceeds of Octrois of Rome and Naples . . . . .	27,938,558		
Various . . . . .	2,581,358		
		Total revenue	1,679,983,397
Total 4th Category	60,834,732		

## RECAPITULATION.

	Ordinary	Extraordinary	Total
	Lire	Lire	Lire
1st Category (effective receipts) . . . . .	1,494,747,413	10,620,706	1,505,368,119
2nd Category (movement of capital) . . . . .	—	113,194,815	113,194,815
3rd Category (construction of railways). . . . .	—	585,731	585,731
4th Category (receipts <i>d'ordre</i> ) . . . . .	60,834,732	—	60,834,732
Total . . . . .	1,555,582,145	124,401,252	1,679,983,397

EXPENDITURE		EXPENDITURE— <i>cont.</i>	
	Lire		Lire
A. Ordinary expenditure :—		Ministry of Posts and Telegraphs .	54,941,533
Ministry of the Treasury :		Ministry of War .	224,225,327
1st Category (effective expenditure) :		Ministry of Marine	96,130,712
Interest on consolidated debt .	455,097,898	Ministry of Agriculture, Industry, and Commerce .	8,441,470
Interest on redeemable debt .	84,197,332	Total ordinary expenditure } 1,575,380,991	
Railway annuities .	27,425,228	B. Extraordinary expenditure :—	
Floating debt .	113,864,141	Ministry of the Treasury :	
Fixed annuities .	81,615,000	1st Category (effective expenditure) .	18,714,112
Civil list and appanages .	15,050,000	2nd Category (movement of capital) :	
Senate and Chamber of Deputies .	2,120,000	Redemption of debts .	71,596,952
General expenses .	16,953,054	Other disbursements	4,000,000
Reserve fund .	3,000,000	Total 2nd Category } 75,596,952	
Various .	1,798,996	Total Ministry of Treasury } 94,311,064	
Total 1st Category } 801,121,649		Ministry of Finance .	3,435,577
4th Category ( <i>d'ordre</i> ) .	17,966,652	Ministry of Justice, &c. . . . .	86,527
Total Ministry of Treasury } 819,088,301		Ministry of Foreign Affairs .	30,500
Ministry of Finance :		Ministry of Public Instruction .	646,832
1st Category (effective expenditure) :		Ministry of the Interior .	2,003,003
General expenditure .	18,336,805	Ministry of Public Works .	98,773,107
Expenses of collection .	148,053,101	Ministry of Posts and Telegraphs .	—
Total 1st Category } 166,389,906		Ministry of War .	2,880,000
4th Category .	29,692,129	Ministry of Marine	6,010,000
Total Ministry of Finance } 196,082,035		Ministry of Agriculture, Commerce, and Industry .	1,171,902
Ministry of Justice, &c. . . . .	34,154,247	Total extraordinary expenditure } 209,348,512	
Ministry of Foreign Affairs .	15,424,135	Total expenditure } 1,784,729,503	
Ministry of Public Instruction .	41,324,637		
Ministry of the Interior .	57,302,803		
Ministry of Public Works .	28,265,791		

## RECAPITULATION BY CATEGORIES.

—	1st Category (effective)	2nd Category (Movement of capital)	3rd Category (Construction of railways)	4th Category ( <i>d'ordre</i> )	Total
Revenue .	Lire 1,505,368,119	Lire 113,194,815	Lire 585,731	Lire 60,834,732	Lire 1,679,983,397
Expenditure	1,578,495,319	80,399,452	65,000,000	60,834,732	1,784,729,503
Difference .	- 73,127,200	+32,795,363	- 64,414,269	—	- 104,746,106

In the ordinary revenue there is a deficit of 19,798,846 lire, and in the extraordinary revenue a deficit of 84,947,260 lire; giving a total deficit of 104,746,106 lire.

*Public Debt.*

The following table shows the interest (including premiums) and sinking fund of the Public Debt on July 1, 1894 :—

Debts	Per Cent.	Rentes, Inter- ests, &c.	Sinking Fund 1892-93	Year of Extinc- tion
I. Consolidated debt :		Lire	Lire	
Rentes at 5 per cent. .	5	442,705,953	—	—
"      3      "      " .	3	6,405,535	—	—
Total consolidated debt .	—	449,111,488	—	—
II. Permanent annuity due to } the Holy See . . . . . }	—	3,225,000	—	—
III. Debts separately inscribed :	3 to 5	17,072,906	991,218	} 1895- 1961
IV. Various debts . . . . .	3 to 6	117,735,294	239,769	} 1906- 1985
V. Floating debt :				
Treasury bonds . . . . .	—	9,150,000	—	—
Current accounts . . . . .	—	500,000	—	—
Bank advances . . . . .	—	875,000	—	—
Total floating debt . . . . .	—	10,525,000	—	—
Total public debt . . . . .	—	597,669,688	1,230,987	—

The capital of the consolidated and redeemable debt amounted to 11,862,491,275 lire on July 1, 1893, or 474,499,651*l.* sterling. The debt per head of population was thus 15*l.* 8*s.* 10*d.*, and the interest 15*s.* 5*d.* The value per head of the special exports (exclusive of the precious metals) in 1893 was 1*l.* 5*s.* 0½*d.* For the period 1884–89, the real and personal property of Italy, estimated from the inheritances taxed annually, were, by Signor Pantaleoni, put respectively at 33,100 and 21,600 million francs, the total wealth being thus estimated at 54,700 million francs, or £2,188,000 sterling.

## II. LOCAL FINANCE.

The total revenue of the communes of Italy in 1891 amounted, according to official reports, to 644,875,465 lire; the revenue of the provinces amounted to 128,509,261 in 1891. The debts of the communes in 1892 (January 1) amounted to 1,175,653,421 lire; of the provinces to 174,935,367 lire.

## III. PUBLIC PROPERTY.

On June 30, 1893, the property of the State was as follows:—

	Estimated Value. Lire
Financial assets (Treasury) . . . . .	487,234,337
Property, immovable, movable, loans and various titles . . . . .	640,183,114
Property of industrial nature . . . . .	1,507,041,696
Material in use in army and navy . . . . .	1,201,447,650
Property used in the service of the State . . . . .	458,080,091
Scientific and artistic material . . . . .	210,939,425
Total . . . . .	4,504,926,313

In the financial year 1892–93 the revenue from State property was:—Railways, 70,454,740 lire; ecclesiastical, 2,844,539 lire; various, 11,864,551 lire; total, 85,163,830.

## Defence.

### I. FRONTIER.

The extent of the land frontier of Italy is as follows:—French frontier 495 kilometres; Swiss 655; Austro-Hungarian 750; frontier of San Marino 38·5; in all (exclusive of San Marino) 1,900 kilometres. The coast line of the peninsula measures 3,657 kilometres; of Sicily, 1,098; of Sardinia, 1,017; of Elba and the small islands, 1,013; the total length of coast is thus 6,785 kilometres.

On the Continental frontier of Italy the principal passes of the Alps are defended by fortifications distributed according to a

plan decided on in 1874, and at present in process of execution. The basin of the Po is also studded with fortified places, though some of the old fortresses have been either abandoned or de-classed, while others are being constructed. The chief strong places in the region are the following:—Casale, Placentia, Cremona, Peschiera, Verona, Mantua, Legnago (these four form the old Austrian Quadrilateral), Pavia, Boara, Venice, Alessandria, Bologna. On the coasts and islands are the following fortified places:—Ventimiglia, Vado, Genoa, Spezia, Elba, Mont-Argentario, Civitavecchia, Gaeta, Baja, and Castellamare in the Gulf of Naples; works in the Straits of Messina; various places in Sicily; Tarentum; Brindisi, Ancona, the mouth of the Adige; Brindolo and Chioggia. On the north Sardinia is defended by the fortifications in the Island of St. Madeleine, and on the south by those of Cagliari. Rome is surrounded by walls, and is being protected by a circle of forts.

## II. ARMY.

The army of Italy, in virtue of laws of July 14, 1887, January 24, 1888, and February 18, 1892, consists of the permanent army, the mobile militia, and the territorial militia. Personal military service is obligatory on all citizens fit to bear arms from the completion of their twentieth year to December 31st, after the completion of their thirty-ninth year. The annual levies are enrolled in three categories. Those who (as decided by lot) belong to the first category serve as follows:—In the permanent army, the carabineers five years under arms and four years with unlimited leave; cavalry four years under arms and five years with unlimited leave; in the territorial militia both carabineers and cavalry serve ten years with unlimited leave; other corps, in the permanent army, two or three years under arms and six years with unlimited leave; in the mobile militia four or three years; and in the territorial militia seven years. Those of the second category remain eight years in the permanent army with unlimited leave, four years in the mobile militia and seven years in the territorial militia.<sup>1</sup> Those who belong to the third category join neither the permanent army nor the mobile militia, but serve their nineteen years in the territorial militia with unlimited leave. The men of the second category are called to arms for training for a period varying from two to six months, which may be divided over one or more years. Those of the third category have thirty days training; in time of war they have garrison duty and form the last reserve. In the levy of the year 1892, the number of recruits examined was 335,149. Of these, 79,626 were put back; 64,227 were unfit to serve; 98,634 were assigned to the first category; 1,970 to the second; and 90,692 to the third. Youths who have received a superior education are allowed to serve as one-year volunteers on payment of a sum fixed annually but never exceeding 2,000 lire for cavalry, or 1,500 lire for others. They may fulfil their period of service at any time after their seven-

<sup>1</sup> By law of 1892, recruits born in 1872 and otherwise liable to serve in the second category were transferred to the first category, with exception of such as had the right to be enrolled in the third. The same arrangement has been extended to recruits born in 1873 and 1874.



teenth up to their twenty-sixth year. They belong to the first category. Non-commissioned officers engage to serve five years; by continuing their service for twelve years they have a right to government employment; and after twenty years service they are entitled to a pension. Officers are chiefly drawn from the military institutes.

The army consists of twelve army corps as follows:—J. Turin, II. Alexandria, III. Milan, IV. Placentia, V. Verona, VI. Bologna, VII. Ancona, VIII. Florence, IX. Rome, X. Naples, XI. Bari, XII. Palermo. Each army corps contains two divisions, and each division comprises from two to five military districts of which there are in all eighty-seven.

1. *The Permanent Army* consists of the general staff; corps of the general staff; Infantry: 96 regiments of the line and 12 regiments of bersaglieri, each regiment of 3 battalions of 4 companies, 1 depôt, and 1 staff; 7 regiments of Alpine troops divided into 22 battalions, in 75 companies, and 7 depôt companies; 87 military districts with 98 companies.

Cavalry:—24 regiments (10 of lancers and 14 of light horse) of 6 squadrons and 1 depôt and 1 staff; 6 depôts for remounts.

Artillery:—12 regiments of divisional field artillery, each of 1 staff and 2 brigades (8 batteries), 1 company of train, and 1 depôt; 12 regiments of army corps field artillery, of 1 staff and 2 brigades (8 batteries), 1 brigade of train (2 companies) and 1 depôt; 1 regiment of horse artillery, of 1 staff, 3 mounted brigades (6 batteries), 1 brigade of train (4 companies) and 1 depôt; 1 regiment of mountain artillery, of 1 staff, 3 brigades (9 batteries), 1 depôt; 5 regiments of fortress artillery, 2 of these composed each of 1 staff, 4 brigades (16 companies), and 1 depôt, the other 3 each of 1 staff, 3 brigades (12 companies), and 1 depôt; 5 companies of artillery mechanics, and 1 company of veterans.

Engineers:—4 engineer regiments, 2 of them of 1 staff, 6 brigades of sappers (18 companies), 1 brigade of train (2 companies), and 1 depôt; the 3rd regiment of 1 staff, 3 sapper brigades (7 companies), 3 brigades (6 companies) of telegraphists and 1 of specialists, 1 brigade train (3 companies), and 1 depôt; the 4th regiment of 1 staff, 3 brigades of pontoons (8 companies), 1 railway brigade (4 companies), 1 lagoon brigade (2 companies), 1 train brigade (3 companies), and 1 depôt.

Carabineers:—11 territorial legions, 1 legion of cadets, and 1 depôt.

Sanitary corps, 12 companies and 1 Sardinian platoon; commissariat, 12 companies; veterinary corps; administrative corps; invalids and veterans, 4 companies and 1 staff; establishments and institutes of instruction; disciplinary establishments, 11 companies and 1 house of correction.

2. *The Mobile Militia* consists of Infantry:—48 regiments of the line of 3 battalions of 4 companies; 18 battalions of bersaglieri of 4 companies; 22 companies of Alpine troops.

Artillery:—13 brigades of field artillery of 4 batteries; 14 companies of train; 36 companies of fortress artillery; 3 brigades of mountain artillery of 3 batteries.

Engineers:—7 brigades of sappers with 21 companies; 2 railway companies; 3 companies of telegraphists; 4 companies of pontoons; 1 lagoon company; 4 companies of train.

Sanitary corps of 12 companies, and commissariat corps of 12 companies.

Special militia of Sardinia:—3 regiments of the line, each of 3 battalions of 4 companies; 1 battalion of bersaglieri of 4 companies; 1 squadron of cavalry; 1 brigade of field artillery of 2 batteries, and 1 company of train; 1 brigade of fortress artillery of 4 companies; 1 company of engineers; 1 sanitary company; and 1 commissariat company.

3. *The Territorial Militia* consists of 320 battalions of infantry of 4 com.

panies; 22 battalions of Alpine troops with 75 companies; 100 companies of fortress artillery and 20 brigade commands; 30 companies of engineers and 6 brigade commands; 13 sanitary companies; 13 commissariat companies.

The following is the official statement of the strength of the Italian army for June 1893:—

—	Permanent Army		Militia	
	Under Arms	On Unlimited Leave	Mobile and Sardinia Island	Territorial
<b>OFFICERS.</b>				
Effective . . . . .	14,459	—	180	5,797
Half-Pay . . . . .	246	—	—	—
Supplementary . . . . .	—	5,942	3,877	—
Auxiliary . . . . .	—	—	1,549	—
Reserve . . . . .	—	—	—	5,837
<b>Total officers . . . . .</b>	<b>14,705</b>	<b>5,942</b>	<b>5,606</b>	<b>11,634</b>
<b>TROOPS.</b>				
Carabineers . . . . .	23,379	4,663	1,097	13,147
Infantry . . . . .	118,863	234,685	320,142	447,698
Bersaglieri . . . . .	16,477	27,953	43,554	31,540
Alpine troops . . . . .	10,127	30,562	32,969	26,248
Military districts . . . . .	9,185	128,740	—	—
Unassigned . . . . .	—	—	32,696	1,160,910
Cavalry . . . . .	22,122	20,687	569	43,777
Artillery . . . . .	34,968	84,448	59,172	44,989
Engineers . . . . .	8,291	21,616	13,925	8,960
Military schools . . . . .	1,328	—	—	—
Sanitary corps . . . . .	2,563	8,115	10,008	10,014
Commissariat . . . . .	1,900	4,669	2,556	2,924
Invalid and veteran corps . . . . .	199	—	—	—
Penal establishments and disciplinary companies . . . . .	2,245	—	—	—
Guards (Policemen, &c.) . . . . .	—	—	4,764	9,230
Depôt for horses . . . . .	421	—	—	—
Central depôt, African troops . . . . .	49	—	—	—
Railway and telegraph service . . . . .	—	—	—	15,892
<b>Total troops . . . . .</b>	<b>252,117</b>	<b>566,138</b>	<b>521,452</b>	<b>1,815,329</b>
<b>Grand total . . . . .</b>	<b>266,822</b>	<b>572,080</b>	<b>527,058</b>	<b>1,826,963</b>
<b>3,192,923</b>				

The special African corps on January 1, 1893, was composed as follows:— 1 company of carabineers, 1 battalion of chasseurs, 4 battalions of infantry (native), 2 squadrons of cavalry (native), 2 mountain batteries (native) each of 4 guns, 1 company of artillery mechanics, 1 of sappers, 1 of specialist engineers, 1 sanitary and 1 commissariat section, and 1 train company. The force contained in all 222 officers (33 native), 6,098 men (4,192 natives), and 1,138 horses and mules.

The Italian army is provided with the Vetterli repeating rifle (the Vital system) and sword bayonet.

### III. NAVY.

By a royal decree *publié* on May 4, 1893, No. 250, the naval administration is thus organised: The naval general secretaryship has at its head the Assistant Secretary for the Navy, under whom are an admiral as chief of the staff; a medical inspector at the head of the sanitary service; a major-general or colonel of military engineers at the head of a section having charge of the engineering works of the naval stations; and two officials directing the sections of account. An admiral is chief of a special department administering matters concerning the *personnel*, an inspector-general of the *genio navale* of that dealing with naval construction, and an admiral of that devoted to ordnance and equipment. A civil official administers the department of the merchant marine, which is under the direction of the assistant secretary for the navy. For purposes of local naval administration and defence the Italian littoral is divided into three prefectures: 1, Spezia; 2, Naples; 3, Venice. The station of the second prefecture will be removed from Naples to Taranto as soon as the arsenal at the latter place is completed. By a royal decree of August 14, 1893, the vessels of the Italian fleet have been apportioned, for administrative purposes, between the three prefectures and Taranto. There are torpedo stations all round the Italian coasts, the head stations being at Spezia, Maddalena, Gaeta, Messina, Taranto, Ancona, and Venice. The Active and Reserve Squadrons now (1895) consist severally of two divisions, with torpedo flotillas, and are to be interchanged after twelve months' service, the Training Squadron always remaining attached to the Reserve. There are vessels on the American, Red Sea, and Indo-Chinese Stations, and single ships at Constantinople and on the East Coast of Africa. Considerable economical changes are being effected at the central administration.

The following tabular statement of the strength of the Italian Navy, including ships built and building, but excluding training ships, transports, and non-effective vessels, is framed on the same plan as similar tables given for the British, French, German, and other navies. During the year 1894 a new system of classifying Italian ships has been officially introduced, which differs from every other in use. In the shipbuilding programme of 1895-96 no new vessels are proposed to be laid down, save torpedo craft (number not indicated) and harbour service ships:—

Battleships, 1st Class . . . . .	8	}	12
„ 2nd Class . . . . .	4		
„ 3rd Class . . . . .	—		
Port defence ships . . . . .			4
Cruisers, 1st Class (a) . . . . .	4	}	9
„ „ (b) . . . . .	5		
„ 2nd Class . . . . .			16
„ 3rd Class (a) . . . . .	28	}	36
„ „ (b) . . . . .	8		
Torpedo-craft, 1st Class . . . . .	107	}	147
„ „ 2nd Class . . . . .	36		
„ „ 3rd Class <sup>1</sup> . . . . .	4		
Total . . . . .			224

<sup>1</sup> Also 19 less than 80 feet in length.

The tables which follow of the Italian armour-clad fleet and first-class cruisers are arranged chronologically, after the manner of other similar tables in this book. In the first table, the ships named in italics are those classified as port defence vessels in the foregoing statement of strength, and the figures following the names of the others indicate the several battleship classes to which they have been assigned. Abbreviations: *c. b.*, central battery; *t.* turret; *bar.*, barbette; *Q.F.*, quick-firing. In the column of armament machine guns are not given:—

Description	Name	Launched	Displacement, Tons	Extreme Armouring, Inches	Armament	Torpedo Ejectors	Indicated horse-power	Nominal Speed, Knots
<i>t</i>	<i>Affondatore</i>	1865	4,576	5	29·8in. (28-ton); 6 4·7in. Q.F.	2	2,682	12·0
<i>c b</i>	<i>Roma</i>	1865	5,370	5	9 8·6in. (13-ton); 6 light guns.	2	3,908	12·5
<i>c b</i>	<i>Palestro</i>	1871	6,180	9	1 11in. (25-ton); 6 9·8in. (18-ton); 6 light .	2	3,361	12·5
<i>c b</i>	<i>Principe Amadeo</i>	1872	5,880	9	4 17·7in. (100-ton); 3 4·7in. Q.F.; 2 light .	2	3,413	12·0
<i>t</i>	<i>Duilio</i>	1876	11,138	22	4 16·9in. (100-ton); 8 5·9in. (4-ton); 4 4·7in. Q.F.; 12 2·24in. Q.F. .	4	7,711	15·0
<i>t</i>	<i>Dandolo</i>	1878	11,202	22	4 16·9in. (100-ton); 8 5·9in. (4-ton); 4 4·7in. Q.F. .	3	8,048	15·5
<i>bar</i>	<i>Italia</i>	1880	15,900	19	4 16·9in. (105-ton); 2 5·9in. (4-ton); 4 4·7in. Q.F. .	4	11,906	18·0
<i>bar</i>	<i>Lepanto</i>	1882	15,900	19	4 16·9in. (105-ton); 2 5·9in. (4-ton); 4 4·7in. Q.F. .	4	15,797	18·4
<i>bar</i>	<i>Ruggiero di Lauria</i>	1884	11,000	18	4 13·3in. (67-ton); 8 5·9in.; 16 4·7in., 2 2·9in., 10 2·2in., & 7 1·45in. Q.F.; 8 light.	5	10,591	17·0
<i>bar</i>	<i>Andrea Doria</i>	1885	11,000	18	4 10in.; 8 5·9in., 8 4·7in., and 16 2·2in. Q.F. .	5	10,300	16·1
<i>bar</i>	<i>Francesco Morosini</i>	1885	11,000	18	4 10in.; 8 5·9in., 8 4·7in., and 16 2·2in. Q.F. .	5	10,000	16·0
<i>bar</i>	<i>Re Umberto</i>	1889	13,251	14	4 10in.; 8 5·9in., 8 4·7in., and 16 2·2in. Q.F. .	5	19,500	18·0
<i>bar</i>	<i>Sardegna</i>	1891	13,251	14	4 10in.; 8 5·9in., 8 4·7in., and 16 2·2in. Q.F. .	5	20,800	19·0
<i>bar</i>	<i>Sicilia</i>	1891	13,298	14	4 10in.; 8 5·9in., 8 4·7in., and 16 2·2in. Q.F. .	5	19,500	18·0
<i>bar</i>	<i>Ammiraglio di Saint-Bon</i>	—	9,800	10	4 10in.; 8 5·9in., 8 4·7in., and 16 2·2in. Q.F. .	6	13,500	18·0
<i>bar</i>	<i>Emanuele Filiberto</i>	—	9,800	10	4 10in.; 8 5·9in., 8 4·7in., and 16 2·2in. Q.F. .	6	13,500	18·0

The first-class cruisers *a* in the following list are all of 5,000 tons or more, with a sea-speed of at least 15 knots. They are deck-protected, and all the Italian first-class cruisers have more or less of side-armouring. Certain of those included are inferior in displacement, and some in speed, to the others. These are admitted as first-class cruisers *b*, mainly for conveying purposes, in the foregoing estimate of strength. The letters *a* and *b* in the first column have reference to these categories.

Class	Name	Launched	Displacement, Tons	Armament	Torpedo Ejectors	Indicated horse-power	Nominal Speed, Knots
<i>b</i>	<i>Castelfidardo</i>	1863	4,180	6 5·9in.; 6 4·7in. Q.F.	2	2,500	12·0
<i>b</i>	<i>San Martino</i>	1863	4,230	8 5·9in.; 5 4·7in. Q.F.	2	2,800	11·0
<i>b</i>	<i>Maria Pia</i>	1863	4,200	6 5·9in.; 6 4·7in. Q.F.	3	2,860	12·0
<i>b</i>	<i>Ancona</i>	1864	4,390	6 5·9in.; 6 4·7in. Q.F.	2	2,770	13·0
<i>b</i>	<i>Marco Polo</i>	1892	4,580	6 5·9in. Q.F.; 10 4·7in. Q.F.	5	10,000	19·0
<i>a</i>	<i>Carlo Alberto</i>	—	6,500	12 5·9in. Q.F.; 6 4·7in. Q.F.	6	13,000	20·0
<i>a</i>	<i>Vettor Pisani</i>	—	6,500	12 5·9in. Q.F.; 6 4·7in. Q.F.	6	13,000	20·0
<i>a</i>	<i>Varese</i>	—	6,500	12 5·9in. Q.F.; 6 4·7in. Q.F.	6	13,000	20·0
<i>a</i>	<i>Giuseppe Garibaldi</i>	—	6,500	12 5·9in. Q.F.; 6 4·7in. Q.F.	6	13,000	20·0

The turret battleships *Duilio* and *Dandolo* are of the central citadel type, represented in our own navy by the *Inflexible*, to which they are superior in

speed and armament. Their four 100-ton Armstrong guns are coupled in two closed turrets amidships, which are placed somewhat diagonally in relation to one another, their axes a little on either side of the keel-line. In the *Italia* and *Lepanto*, which are the heaviest of Italian battleships (15,900 tons), and among the largest war-ships afloat, there is a similar disposition of the heavy guns. Except upon the casemate and at the base of the funnels, these ships have on vertical armour, the protection being given by a 4-inch steel deck below the water-line. The *Ruggiero di Lauria* and her two sisters are smaller battleships (11,000 tons), but their four Armstrong guns are still heavier (105 tons). These are mounted in couples in a similar manner in two protected barbettes before and abaft the single fighting mast, and severally on the starboard and port sides. The vital parts of the ships are protected by eighteen inches of vertical compound armouring. They have thus an advantage over the colossal *Italia* and *Lepanto*, which, through deficiency of side-armouring, are subject to serious damage to the substructure of the heavy guns. The *Re Umberto*, *Sardegna*, and *Sicilia* are among the most powerful battleships in the world. They may be regarded as enlarged *Benbows*. Their heaviest guns, however, are of 67 tons, and are mounted in pairs in polygonal inclined barbettes fore and aft in the keel-line of the ship. It is understood that the heaviest guns are to be replaced by lighter ones in the older battleships. The new battleship *Ammiraglio di Saint-Bon* marks a change in Italian ship-building policy. The protection is better, and the construction of monster armour-clads seems to be abandoned, for the ship has a displacement of but 9,800 tons. The over-all steel belt is to be 9¾ inches thick at the water-line, and the redoubts are to have 4-inch plating, and the maximum thickness of the protective deck will be 3 inches. The heavy guns will be coupled in turrets at either end of a redoubt, which will contain the secondary armament.

In 1894 the personnel of the navy consisted of 761 naval officers, 764 engineer and other officers, 1,264 pilots, &c., 5,592 sailors, 3,124 gunners, 1,400 mechanics, and 3,447 stokers, &c., while 4,282 men were employed along the coast; total, 22,592 officers and men.

## Production or Industry.

### I. AGRICULTURE.

The systems of cultivation in Italy may be reduced to three:—1. The system of peasant proprietorship (*coltivazione per economia o a mano propria*); 2. That of partnership (*colonia parziaria*); 3. That of rent (*affitto*). Peasant proprietorship is most common in Piedmont and Liguria, but is found in many other parts of Italy; in the province of Rome, the Abruzzi and Molise, Campania, Apulia, the Basilicata, Calabria, and in Sicily and Sardinia. This system tends to become more general. The system of partnership or *colonia parziaria*, more especially in the form of *mezzadria*, consists in a form of partnership between the proprietor and the cultivator. No wages are paid, profits and losses are equally divided, the families of the two partners subsisting, it may be, entirely on the common produce of the cultivation. This system is general in Tuscany, the Marches, and Umbria; it prevails over other systems in Emilia, and is frequently found in the sub-mountain (*pede montane*) regions of Lombardy and Venetia, in the Abruzzi and Molise, in Campania and in Sicily. It is almost unknown in the Basilicata, little practised in Apulia, Calabria, and Sardinia, and has been entirely abandoned in the two most advanced centres of cultivation in the south, *viz.*:—Barese and the province of Naples. Various modifications of the system exist in different parts of Italy. The system of rent (*affitto*) exists in Lombardy and Venetia, especially in the marsh lands, Emilia, Campania, the Abruzzi and Molise, Piedmont, and Sicily. It is little used in Umbria, the Marches, Tuscany, the Province of

Rome, the Basilicata, and Sardinia. In Upper Italy the agreement is usually for nine (sometimes other multiples of three) years; in Southern Italy for two, four, or six years, according to local customs.

Large farms (la grande coltura) exist in the neighbourhood of Vercelli, Pavia, Milan, Cremona, Chioggia, Ferrara, Grosseto, Rome, Caserta, and in Apulia, the Basilicata, Calabria, and at Girgenti and Trapani in Sicily. In Italy generally the land is much subdivided.

Of the total area of Italy 86·9 per cent. is productive, and 13·1 per cent. unproductive. Of the total area 12 per cent. is under forest, and 36 per cent. under culture. Agriculture is generally in a primitive condition. In 1892, 4,530,000 hectares were under wheat, and about 3,000,000 hectares under other cereals. The areas and produce of the various crops in 1892, and 1893, so far as officially ascertained, are shown in the following table:—

	Area under Cultivation		Produce		
	1892	1893	Total		Per Hectare 1893
			1892	1893	
	Hectares	Hectares.	Hectolitres	Hectolitres	
Wheat . . .	4,530,000	4,558,000	40,767,000	47,654,000	10·46
Maize . . .	1,903,000	1,920,000	25,419,000	29,168,000	15·19
Oats . . .	450,000	458,000	6,075,000	6,430,000	14·04
Barley . . .	313,000	323,000	2,797,000	2,792,000	8·65
Rye . . .	144,000	145,000	1,498,000	1,585,000	10·94
Rice . . .	198,000	162,000	7,260,000	4,850,000	30·01
Pulse . . .	857,000	861,000	4,441,000	4,092,600	4·75
			Quintals	Quintals	Quintals
Hemp . . .	101,000	—	646,000	679,000 <sup>1</sup>	—
Flax . . .	52,000	52,000	197,000	169,000	3·25
Potatoes . .	194,000	—	7,667,000	—	—
Chestnuts . .	412,000	412,000	3,285,000	2,647,000	6·42
			Hectolitres	Hectolitres	Hect.
Wine . . .	3,466,000	3,434,760	33,972,000	32,164,000	9·36
Olive oil . .	1,044,000	—	1,686,000	1,961,000 <sup>1</sup>	—
			Kilogrammes	Kilogrammes	Kil.
Tobacco . .	3,744	4,157	4,513,798	6,071,907 <sup>1</sup>	1460·65 <sup>1</sup>
Silk cocoons .	—	—	34,641,000	47,624,000	—
	Plants		Number	Number	Per plants
Acid fruits .	16,010,000	—	3,139,600,000	3,145,500,000 <sup>1</sup>	—

<sup>1</sup> These figures are provisional.

In 1890 Italy had 5,000,000 cattle, 6,900,000 sheep, 1,800,000 goats, 1,800,000 swine. In 1892 Italy exported 18,358 and imported 29,796 cattle; exported 22,766 and imported 12,268 sheep; exported 460 and imported 12,057 goats; exported 48,462 and imported 3,971 swine. In 1892 the production of wool was 9,958,000 kilogrammes, of the value of 17,974,166 lire.

Silk culture, though flourishing most extensively in Piedmont and Lombardy, is carried on all over Italy. In 1892 there were 531,869 persons employed in rearing silkworms, and 175,000 skilled and other workers (including 120,386 women and 36,586 children) were employed in the treatment and manufacture of silk. The total weight of the cocoon harvest was:—in 1890, 89,866,800 lbs.; in 1891, 85,494,748 lbs.; in 1892, 69,283,000 lbs.; in 1893, 104,991,900 lbs.; in 1894, 88,184,000 lbs.

In the census of December 31, 1881, there were 5,024,826 males of 15 years of age and upwards described as engaged in agriculture. The entire agricultural population, male and female, of 15 years and upwards, was thus about 10,000,000. According to last census the number of persons of 15 years of age and upwards was to the whole population in the ratio of 678 to 1,000; thus the whole agricultural population was computed to be 14,900,000.

II. FORESTRY.

The forestry department is under the direction of the Ministry of Agriculture, Industry, and Commerce, with a council (consiglio forestale) consisting of the Director of Agriculture, the higher forestry inspectors, and a legal adviser. The executive of the department consists of inspectors of various classes and 190 guards with 25 officers (brigadieri).

The forest area is about 4,175,000 hectares. The yield from the forests, including both those free from and those under the forest regulations (vincolo), is valued at about 90,000,000 lire, as follows:—

	Cubic metres	Lire
Useful timber . . . . .	1,374,547	17,062,006
Firewood . . . . .	6,289,341	20,632,380
Charcoal . . . . .	3,019,148	18,133,294
Secondary produce, excluding chest- nuts . . . . .	Quintals 15,527,404	32,174,111
Total . . . . .		88,001,791

The ascertained values of produce, agricultural, animal, and forest, are thus in round numbers—Cereals, fibres, wine, fruit, &c., 3,230,000,000 lire; animals, wool, milk, cocoons, &c., 1,424,000,000 lire; forest yield, 88,000,000 lire: total, 4,742,000,000 lire. The value of accessory agricultural produce, such as vegetables, fungi, poultry, eggs, &c., is not known, but the exports alone of such produce amount to about 80,000,000 lire annually.

III. MINES AND MINERALS.

The following table gives the mineral production in 1893:—

Mineral	Mines	Tons	Lire	Employés
Iron ore . . . . .	43	191,305	1,782,667	2,042
Copper and manganese ore . . . . .	21	105,914	2,655,134	2,316
Zinc ore . . . . .	104	132,767	10,467,074	10,922
Lead ore . . . . .		29,004	4,065,537	
Silver ore . . . . .	8	1,236	1,177,973	926
Gold ore . . . . .	22	7,393	663,733	515
Antimony ore . . . . .	6	1,193	202,010	294
Mercury and iron pyrites . . . . .	17	48,910	1,466,482	1,008
Mineral fuel (anthracite, &c.). . . . .	32	317,249	2,173,506	2,105
Sulphur . . . . .	604	417,671	29,616,675	34,466
Salt, graphite, boric acid, and others . . . . .	56	76,432	3,635,389	1,720
Totals . . . . .	913	1,329,074	57,906,180	56,314

The value of the mineral products was:—in 1878, 55,078,461 lire; 1888, 52,377,908; 1889, 53,554,255; 1890, 63,826,933; 1891, 79,890,726; 1892, 74,301,819; 1893, 57,906,180. The quarries of Italy, especially its marble quarries, employ about 20,000 men; the annual output being valued at a million sterling.

IV. FISHERIES.

On December 31, 1893, the number of vessels and boats employed in fishing was 21,243, with an aggregate tonnage of 59,536. These numbers

include 137 boats of 640 tons engaged in coral fishing. At the same date there were 67,559 fishermen, of whom 7,170 were engaged in deep-sea or foreign fishing. In 1893 there went to the deep-sea fishing 1,359 boats of 12,263 tons. Of these, 31 of 157 tons were employed in coral-fishing, and 45 of 924 tons in fishing for sponges. The value of the fish caught in 1892 (excluding foreign fishing) was estimated at 16,346,398 lire, probably too low an estimate; the value obtained from tunney-fishing was 1,580,755 lire and from coral-fishing 136,281 lire, the quantity (much less than the average) being estimated at 2,391 kilogrammes.

### Commerce.

The following table shows the total special imports and exports (excluding gold, coined silver, and goods in transit), and the imports and exports of the precious metals (excluding uncoined silver) in each of the last five years:—

Year	Special trade		Precious Metals	
	Imports	Exports	Imports	Exports
	Lire	Lire	Lire	Lire
1889	1,391,154,246	950,645,760	49,612,800	55,058,100
1890	1,319,638,433	895,945,253	57,648,000	66,655,100
1891	1,126,584,583	876,800,155	54,286,700	62,709,400
1892	1,173,391,983	958,187,220	43,971,600	53,907,100
1893	1,191,227,553	964,188,135	43,014,800	94,173,900

The following table shows the value of the leading imports and exports in 1893:—

Imports		Exports	
	Lire		Lire
Grain, wheat . . .	146,441,060	Silk, raw and thrown	251,383,900
Cotton, raw . . .	108,578,800	„ waste . . .	30,226,700
Coal . . .	93,110,025	„ manufactures . . .	17,146,847
Timber for building . . .	26,548,264	„ cocoons . . .	6,092,500
Sugar, raw . . .	29,461,125	Wine in casks . . .	53,566,839
„ refined . . .	1,145,747	Oil, olive . . .	47,383,490
Wool, raw . . .	25,611,200	Fruit (fresh) . . .	51,684,795
Machinery . . .	26,401,072	Eggs . . .	30,748,120
Silk, unbleached, raw, or twisted . . .	62,062,200	Coral, manufactured . . .	19,248,300
Fish, of all sorts . . .	30,030,261	Hemp and flax, raw	29,679,384
Iron in bars, 1st fusion	11,641,454	Sulphur, unrefined and refined . . .	24,869,392
Coffee . . .	31,548,115	Rice . . .	11,236,920
Silk, manufactures of	9,054,343	Cotton, raw . . .	19,130,210
Linen and hemp yarn	11,599,140	Marble . . .	9,784,743
Hides, raw and dried	29,676,248	Meat, fresh and salted	13,651,328
Cheese . . .	11,411,805	Skins, raw . . .	13,874,287
Tobacco leaf . . .	15,612,672	Straw plaiting . . .	5,396,500
Cotton, unbleached . . .	3,829,690	Dyeing and tanning stuffs . . .	13,489,941
Cotton bleached . . .	3,893,676	Animals, cattle . . .	7,005,970
„ coloured & dyed	3,407,800	„ horses . . .	661,200
„ printed . . .	10,711,460		



Imports		Exports	
	Lire		Lire
Horses . . . . .	9,641,700	Animals, swine . . . . .	2,554,244
Cotton yarn . . . . .	2,086,393	Zinc ore . . . . .	11,321,800
Oil, mineral refined . . . . .	11,994,096	Lead ore . . . . .	889,760
Rice . . . . .	14,140	Grain, wheat . . . . .	141,540
Railway materials . . . . .	4,141,638	„ other . . . . .	5,103,700
Indigo . . . . .	4,646,900		
Oil, olive . . . . .	3,326,800		
Silkworms' eggs on cards . . . . .	2,610,750		

The following table shows, in thousands of lire, the value of the special trade with the leading countries in two years :—

	Imports from (1892)	Imports from (1893)	Exports to (1892)	Exports to (1893)
	1,000 lire	1,000 lire	1,000 lire	1,000 lire
France . . . . .	204,486	194,187	187,390	226,251
United Kingdom . . . . .	244,759	251,550	114,428	106,247
Austria . . . . .	127,311	122,381	109,411	121,483
Germany . . . . .	144,077	147,755	147,848	149,906
Russia . . . . .	124,271	130,501	10,225	8,529
Switzerland . . . . .	51,993	55,488	178,365	193,556
United States and Canada . . . . .	78,791	95,634	100,147	81,629
Turkey, Servia, Roumania . . . . .	38,772	31,253	15,888	17,766
Belgium . . . . .	27,259	28,111	25,572	23,137
Argentine Republic . . . . .	20,573	15,697	25,876	37,317
Central America . . . . .	14,177	8,183	643	1,448
British Possessions in Asia . . . . .	66,299	69,734	14,620	14,907
Egypt . . . . .	18,556	22,485	10,713	10,129
Spain and Gibraltar . . . . .	9,215	10,419	11,017	8,618

For the determination of Customs' values, &c., in Italy there is a permanent central commission, comprising official members, representatives of commercial corporations, &c. The values recorded are those of the goods at the frontier, exclusive of import or export duties. For imports and exports the parties interested declare the value of the goods, their quantity, and the country of origin or destination. For imports there is recorded the gross weight in the case of goods subject to a duty of 20 francs per quintal (8s. 1½d. per cwt.) or less; the net legal weight (i.e. with deduction of an official tare) in the case of goods subject to duty of 20 or 40 francs per quintal (8s. 1½d. to 16s. 3d. per cwt.); the actual net weight in the case of goods taxed at over 40 francs per quintal (16s. 3d. per cwt.) For exports the gross weight is usually given. Inaccurate declarations are punishable by fine if the inaccuracies are prejudicial to the Treasury.

The trade of Italy is regarded either as general or special. The general trade comprehends all imports from abroad, whether intended for consumption within the kingdom or merely for transit, and all exports to foreign countries, whether national, nationalised or only issuing after transit. The special trade is restricted to imports for consumption and exports of national or nationalised merchandise. National merchandise consists of the produce and manufactures of the kingdom, while foreign imports on which the duties have been paid at the frontier are said to be nationalised. Transit trade denotes merchandise merely passing through the kingdom, whether directly or after having been temporarily warehoused.

The following table shows the re-exportation and transit, in thousands of lire, for eight years :—

—	1885	1886	1887	1888	1889	1890	1891	1892
Re-exportation	Lire 54,211	Lire 75,232	Lire 87,252	Lire 78,012	Lire 121,055	Lire 106,485	Lire 73,650	Lire 69,593
Transit . . .	69,867	48,418	50,046	53,115	55,111	60,821	71,208	51,465

The value of the imports into Great Britain from Italy, and of the exports of domestic produce and manufactures from Great Britain to Italy for five years, according to the Board of Trade Returns, is shown in the following table :—

—	1889	1890	1891	1892	1893
Imports from Italy .	£ 3,230,131	£ 3,093,918	£ 3,419,281	£ 3,284,486	£ 2,948,336
Exports of British produce to Italy .	7,113,040	7,757,862	6,296,560	5,564,487	5,206,758

The principal articles of import into Great Britain from Italy in the year 1893 were :—Olive oil, of the value of 243,113*l.*; hemp, 288,927*l.*; oranges and lemons, 399,419*l.*; sulphur, 117,784*l.*; chemical products, 59,603*l.*; sumach, 121,289*l.*; other dyes, 98,146*l.*; wine, 83,868*l.*; almonds, 101,844*l.*; stones, 134,486*l.*; and iron ore, 82,906*l.* The value of the cotton manufactures and yarn exported from Great Britain to Italy in the year 1893 amounted to 621,015*l.*; coals, 1,760,619*l.*; iron, wrought and unwrought, 550,517*l.*; woollen manufactures, 474,890*l.*; machinery, 334,319*l.*; refined sugar, of the value of 44,175*l.*; arms, ammunition, &c., 48,720*l.*; fish, 176,991*l.*; copper, wrought and unwrought, 82,170*l.*

### Navigation and Shipping.

On December 31, 1893, there were on the registers of the mercantile marine 6,668 vessels, classified as follows :—

—	Sailing Vessels		—	Steam Vessels		Total	
	No.	Tons		No.	Tons	No.	Tons
For long sea voyages . .	455	311,565		73	123,880	528	435,415
For long coasting voyages .	280	86,976		52	42,551	312	129,527
For short voyages, fishing, &c. . . . .	5,626	189,757		202	41,762	5,828	231,519
Totals . . . . .	6,341	588,268		327	208,193	6,668	796,461
Or according to tonnage :—							
Vessels over 1,000 tons .	50	62,488	Over 2,000	20	48,770	70	111,258
„ 501 to 1,000 tons .	304	216,028	1,001—2,000	69	98,363	373	308,301
„ 101 to 500 tons .	700	186,942	401—1,000	67	43,623	767	230,565
„ 51 to 100 tons .	622	47,206	101— 400	59	14,366	681	61,572
„ 1 to 50 tons .	4,665	81,604	1— 100	112	3,071	4,777	84,675
Totals . . . . .	6,341	588,268		327	208,193	6,668	796,461

In 1893 there entered Italian ports 106,569 Italian vessels of 16,616,227 tons, and 9,832 foreign vessels of 9,342,176 tons; in all 116,401 vessels of 24,958,403 tons. There cleared from Italian ports 106,249 Italian vessels of 16,932,879 tons, and 9,695 foreign vessels of 8,118,219 tons; in all 115,944 vessels of 25,051,098 tons.

At the principal Italian ports the number of vessels entering and clearing in 1893 were:—

Port	Entered		Cleared	
	No.	Tonnage	No.	Tonnage
Genoa . . . . .	5,626	3,676,397	5,656	3,662,532
Leghorn . . . . .	3,966	2,073,564	3,833	1,203,167
Naples . . . . .	5,982	2,363,884	5,886	2,350,744
Messina . . . . .	3,972	1,571,251	4,047	1,576,215
Palermo . . . . .	3,565	1,460,956	3,509	1,406,395
Venice . . . . .	3,530	973,651	3,414	988,666

Of the Italian steam tonnage, more than half belongs to the 'Italian General Navigation' (Società Florio e Rubattino—Genoa and Palermo).

## Internal Communications.

### I. RAILWAYS.

A large portion of the Italian railways belong to the State, but in accordance with a law of April 27, 1885, the working of the State lines has been transferred to private enterprise. The contracts are for 60 years, but at the end of 20 and 40 years they may be terminated.

On January 1, 1891, there were 5,246 miles of State railway, 96 miles jointly State and companies', and 2,794 miles of companies' railway; in all, 8,136 miles. The length of the principal lines, January 1, 1894, was:—Mediterranean, 3,258 miles; Adriatic, 3,434 miles; Sicilian, 633 miles; Sardinian, 257 miles; various, 1,423 miles; total, 9,006 miles.

In 1890 the total receipts were 255,687,108 lire, of which 98,517,946 lire were for passenger traffic. In the same year the expenses were 193,879,424 lire. By slow trains there were forwarded 16,483,651 tons of goods, and by fast trains 9,739,500 quintals of goods. The number of passengers was in all 50,855,569.

### II. POSTS AND TELEGRAPHS.

During the year ending June 30, 1893, there were transmitted 197,170,340 letters and post-cards, to which 38,215,830 Government official letters have to be added. There were sent also 4,691,224 manuscript papers, 205,275,779 periodicals and other printed matter, and 6,051,933 parcels. The money orders numbered (in 1893-94) 9,037,957, value 671,561,934 lire. On June 30, 1893, there were 6,951 post-offices and collecting-boxes.

The public telegraph service is a monopoly of the Government, certain concessions, however, being made to the railway and tramway companies. On June 30, 1893, the length of line and wire on land was, in English miles:—Government lines 22,061, wire 70,453; railway lines 1,715, wire 21,670; total lines 23,776, wire 92,123.

During the year ending June 30, 1893, there were despatched from Government and railway telegraph offices 7,596,134 private telegrams inland, and there were sent or received from abroad 1,723,524 telegrams. Number of State offices, 2,885; other offices, 2,051.

The gross revenue from posts and telegraphs was 65,748,734 lire; the expenditure was 53,028,501 lire; and the net revenue 12,720,233 lire.

### Money and Credit.

The following table shows the amount of State notes and bank notes in circulation at the end of each of the last five years in thousands of lire:—

—	1889	1890	1891	1892	1893
	1,000 Lire	1,000 Lire	1,000 Lire	1,000 Lire	1,000 Lire
State notes . . . . .	344,185	342,809	341,949	341,414	351,792
Bank notes . . . . .	1,114,123	1,126,440	1,121,601	1,138,385	1,221,634 <sup>1</sup>

<sup>1</sup> Including 9,182,000 lire of notes of the Banca romana (in liquidation).

Gold was coined to the value of 1,364,400 lire in 1890; 653,220 lire in 1891; 674,120 lire in 1892; 824,280 lire in 1893. No silver has been coined in recent years. In 1893 bronze pieces were coined to the amount of 3,654,700 lire.

The total coinage from 1862 to the end of 1893 was: gold, 426,332,990 lire; silver, 595,505,397 lire; bronze, 80,331,605 lire; total, 1,102,169,992 lire. The re-coinage was 28,954,834 lire.

There is no national bank in Italy. According to the law of August 10, 1893, there are only three banks of issue: the Banca d'Italia (formed by the fusion of the two Tuscan banks with the Banque Nationale du Royaume d'Italie), the Banco di Napoli, and the Banco di Sicilia. Formerly there were six banks authorised to issue notes. The following table shows the state of the assets and liabilities of those six banks on December 31, 1893, in thousands of lire:—

—	Assets	—	Liabilities
	1,000 Lire		1,000 Lire
Cash and reserve . . . . .	561,028	Capital . . . . .	300,750
Bills . . . . .	616,560	Notes in circulation . . . . .	1,212,452
Credits . . . . .	199,579	Accounts current . . . . .	364,618
Deposits . . . . .	992,324	Titles and valuables	
Various securities . . . . .	944,164	deposited . . . . .	992,324
		Various . . . . .	439,212
Total . . . . .	3,313,655	Total . . . . .	3,309,356

There are 759 co-operative credit societies and popular banks, with assets at the end of 1891 amounting to 754,072,665 lire, and liabilities 745,789,445 lire; 150 ordinary credit companies, with assets 1,726,911,882 lire, and liabilities 1,733,940,689 lire. Eleven agrarian credit companies had assets (1892) 49,812,389 lire, and liabilities 49,759,134 lire. There were 10 *crédit foncier* companies with assets 1,061,278,895 lire, and liabilities 1,052,033,849 lire (1893).

The post-office savings-banks have been in operation since January 1, 1876. Private savings-banks are subject to certain statutory rules and to Government inspection. The following table shows the number of post-office savings-banks on December 31, 1892, with the numbers of their depositors and amount deposited at that date, and the deposits and repayments made during the year, with the like statistics for the ordinary and co-operative savings-banks in 1892:—

	Offices	Depositors	Total Deposits	Deposits during year	Repayments during year
			Lire	Lire	Lire
Post-office savings-banks	4,666	2,523,796	305,106,755	225,693,241	205,255,311
Ordinary " "	392	1,441,521	1,214,976,134	424,657,259	388,249,735
Co-operative " "	719	450,444	348,064,102	376,323,866	353,053,638

### Money, Weights, and Measures.

The money, weights, and measures of Italy are the same as those of France, the names only being altered, the franc changing into the lira, divided into 100 centesimi, the kilogramme into the chilogramma, the mètre into the metro, the hectare into the ettaro, and so on. The British equivalents are—

#### MONEY.

The *Lira* of 100 *Centesimi*; intrinsic value, 25·22½s. to 1*l.* sterling.

#### WEIGHTS AND MEASURES.

The <i>Grammo</i>	. . . . .	=	15·434 grains troy.
„ <i>Chilogramma</i>	. . . . .	=	2·20 lbs. avoirdupois.
„ <i>Quintale Metrico</i>	. . . . .	=	220 „ „
„ <i>Tonnellata</i>	. . . . .	=	2,200 lbs. avoirdupois.
„ <i>Litro</i> , Liquid Measure	. . . . .	=	0·22 imperial gallon.
„ <i>Ettolitro</i> {	Liquid Measure . . . . .	=	22 „ „
	Dry Measure . . . . .	=	2·75 „ „ bushels.
„ <i>Metro</i>	. . . . .	=	3·28 feet or 39·37 inches.
„ <i>Chilometro</i>	. . . . .	=	1,093 yards.
„ <i>Metro Cubo</i> }	. . . . .	=	35·31 cubic feet.
„ <i>Stero</i> }	. . . . .	=	2·47 acres.
„ <i>Ettaro</i> or <i>Hectare</i>	. . . . .	=	0·386 square mile.
„ <i>Square Chilometro</i>	. . . . .	=	(2·59 sq. chilo. = 1 sq. mile).

### Diplomatic Representatives.

#### 1. OF ITALY IN GREAT BRITAIN.

*Ambassador*.—Lieut.-General Annibale Ferrero; appointed February, 1895.

*Chargé d'Affaires*.—M. G. Silvestrelli.

*Secretary*.—Marquis R. Paulucci di Calboli.

*Attaché*.—Don A. Corsini, Duke of Casigliano.

*Archivist*.—G. Manetti.

There are Consular representatives at London (C.G.), Dublin, Glasgow, Liverpool (C.G.), Aden, Bombay, Calcutta (C.G.), Cape Town, Colombo, Gibraltar, Halifax, Melbourne, Rangoon, Singapore.

## 2. OF GREAT BRITAIN IN ITALY.

*Ambassador*.—Rt. Hon. Sir Francis Clare Ford, G. C. B., G. C. M. G., Envoy and Minister to Brazil 1879–81; to Greece 1881–84; to Spain 1884–92; Ambassador to Turkey, 1892–93; to Italy, November, 1893.

*Secretary*.—Hon. H. G. Edwardes.

*Military Attaché*.—Col. J. R. Slade, R. A., C. B.

*Naval Attaché*.—Captain G. le Clerc Egerton.

There are Consular representatives at Rome, Brindisi, Cagliari, Florence (C. G.), Genoa, Leghorn, Naples, Palermo, Taranto (V. C.).

**Foreign Dependencies.**

The dominion of Italy in Africa extends, on the coast of the Red Sea, from Cape Kasar (18° 2' N.) to the southern limit of the Sultanate of Raheita, on the strait of Bab-el-Mandeb (12° 30' N.). The length of coast is about 670 miles. The area is about 96,200 square miles, and the population, which is to a great extent nomadic, is estimated at 191,127 natives and 3,452 Europeans; Massowah, the seat of government, having 7,775 inhabitants of whom 600 are European (exclusive of the garrison), and 480 Asiatic. By various decrees between January 1, 1890, and December 8, 1892, the Italian possessions on the Red Sea are constituted as the Colony of Eritrea, with an autonomous administration and the management of its own finance. The central government is represented by a civil governor, nominated by the King; but the military and naval commandants correspond directly with the Italian Minister of War. For the year 1894–95 the revenue and expenditure of the colony were each estimated at 9,212,117 lire, the revenue from the colony itself being 1,448,000 lire, and the contributions of Italy being 7,764,117 lire. The total expenditure of Italy on account of its Red Sea possessions, including postal, military, and naval services, from 1887–88 to 1891–92 is put at 125,327,315 lire (£5,013,100), that for the year 1891–92 being 15,898,262 lire. Throughout the colony agriculture is in a very primitive condition. The tropical climate and the general scarcity of water during the summer months necessitate works for irrigation before crops can be raised with success. Pasture is abundant, but the pastoral population is essentially nomadic. Camels, oxen, sheep, goats, are common, and the produce, consisting of meat, hides, butter, supplies articles of local trade. Pearl-fishing is carried on at Massowah and the Dahlak archipelago to the annual value of from 200,000 lire for pearls, and 600,000 lire for mother-of-pearl. This trade is chiefly in the hands of Banians (Indians). Trade of Massowah in 1892: imports by land and sea, 10,903,015 lire; 1893, 9,863,829 lire. In 1893, in the total trade, 1,830 vessels of 120,553 tons (992 vessels Italian) entered, and 1,833 of 119,243 tons (1,102 vessels Italian) cleared. There are 17 miles of military railway from Massowah to Saate. In 1891–92 there were transmitted 129,436 letters and post-cards, 8,348 manuscript and other packets, and 37,306 pieces of official correspondence. There is a telegraph line of 319 miles from Massowah to Assab, and of 62 miles from Assab to Perim. In 1891–92 there were 5,764 messages.

The legal currency consists of Italian coins and those of the Latin Union; but in actual circulation are Maria Theresa dollars and Anglo-Indian and Egyptian money. The Italian mint has issued coin amounting to 6,879,995 lire, under the denominations of Eritrean dollars (= 5 lire), and  $\frac{4}{10}$ ,  $\frac{2}{10}$ ,  $\frac{1}{10}$ , dollar pieces.

In February, 1889, the Sultan of Obbia, on the Somali coast (5° 33' N. to 2° 30' N.), put his sultanate under the protection of Italy. In April, 1889, the protectorate was extended to the country between 5° 33' N. and 8° 3' N. by treaty with the Sultan of the Mijertain Somalis. In August, 1892, the Somali coast, from the sultanate of Obbia to the mouth of the Juba was ceded to Italy by the Sultan of Zanzibar, and the administration of the region was taken over in September, 1893. The boundary between the spheres of influence of Italy and Great Britain in East Africa, settled March 24, 1891, ascends the channel of the Juba from its mouth to 6° N.; thence it follows the parallel of 6° N. as far as 35° E., whence it goes north to the Blue Nile.

In consequence of a treaty of May 2, 1889, and a subsequent convention, ratified February 25, 1890, the region comprising Abyssinia and Shoa is within the Italian sphere of influence.

The area and population of the territories under Italian influence (including Abyssinia and Shoa) are estimated as follows:—

	Area in sq. miles.	Population.
<i>Possessions:</i>		
Country around Massowah, with Keren and Asnara . . . . .	3,100	250,000
Dahlak Archipelago . . . . .	420	2,000
Assab Territory . . . . .	580	6,800
<i>Protectorate:</i>		
Territory of the Habab, Bogos, Beni-Amer, &c. . . . .	18,000	200,000
Territory of the Afâr or Danakil, including the Sultanate of Aussa . . . . .	34,000	200,000
Somali and Gallaland (according to Anglo-Italian agreement) . . . . .	300,000	600,000
Kingdom of Abyssinia (Tigré, Lasta, Amhara, Gojam, Shoa, Kaffa, Harrar, &c.) . . . . .	190,000	5,000,000
Total . . . . .	546,100	6,258,800

**ABYSSINIA AND SHOA.**

The ancient empire of Abyssinia, or 'Ethiopia,' includes the Kingdoms of Tigré, with Lasta, in the north-east; Amhara, with Gojam, in the west and centre; Shoa in the south; besides the outlying territories and dependencies of the Bogos, Shoho, Mensa, Barea, Bazen (Kunama), Habab, and Beni-Amer in the north; the Shankalla in the west; the Galla and Kaffa lands beyond Shoa, and the Afâr (Danakil) and Adal country occupying the lowlands between Abyssinia proper and the coast.

After the overthrow of Theodore, King of Amhara, by the English in 1868, the suzerain power passed to Prince Kassai of Tigré, who assumed the old title of Negus Negust ('King of Kings'), and was crowned in 1872 as Johannes II., Emperor of Ethiopia. After the death of this potentate in 1889, Menelek II., King of Shoa, became the supreme ruler of Abyssinia, which region has practically become an Italian protectorate in virtue of the treaty of May 2, 1889, confirmed and extended in October of the same year by a convention for 'mutual protection' between Menelek and Umberto I., King of Italy. The political institutions are essentially of a feudal character, analogous to those of mediæval Europe.

Since the conversion of the Abyssinians in the fourth century they have remained members of the Alexandrian Church. The Abuna, or head of the Church, is always a Copt, appointed and consecrated by the Patriarch of Alexandria, but his influence is controlled by the Echegeh, a native ecclesiastical dignitary, who presides over the religious orders, numbering about 12,000 monks. The Falashas appear to have been converted at a very early date by Jewish missionaries, and still practise many Jewish rites.

Education is restricted to the teaching of the secular and regular clergy, who instruct a limited number of children in grammar, choral singing, poetry, and the recitation of Bible texts. This education is gratuitous, and those to whom it is imparted constitute the somewhat influential class of *dabtara* or *literati*. There is no special class of magistrates or judges, justice being entirely administered by the provincial governors, landed proprietors, and *sham*, or petty chiefs. Besides the chiefs and their retainers summoned in time of war, the king maintains a permanent army of *Wottoader* or 'mercenaries,' most of whom are now armed with rifles instead of the national weapons, shield and lance.

There is comparatively little land under tillage, pasturage being the chief pursuit of the people, who raise large herds of cattle, as well as sheep and goats. Wild indigo, coffee, cotton, the sugar-cane, date-palm, and vine thrive well in many districts, but are nowhere extensively cultivated. The forests abound in valuable trees. The chief exports are skins, ivory, butter, gums, mules, forwarded mainly through Massowah. The exports from Great Britain to Abyssinia in 1892 amounted to 12,202*l.*; in 1893, 8,313*l.* Besides Maria Theresa pieces, bales of cloth and salt are still used as currency. Towns are numerous, but are all of small size, scarcely any with a population of over 5,000. The most important, politically and commercially, are: Gondar, capital of the Amhara, 5,000; Adua, capital of Tigré, 3,000; Aksum, ancient capital of the Ethiopian Empire, 5,000; Antalo, former capital of Tigré, 1,000; Ankober, former capital of Shoa, 7,000; Licheh, present capital of Shoa, 3,000; Debra-Tabor, Magdala, and Makallé, occasional royal residences; Besso and Sokoto, 1,500, important trading centres; Amba-Mariam, 4,000; Mahdera-Mariam, 4,000.

## Statistical and other Books of Reference concerning Italy.

### I. OFFICIAL PUBLICATIONS.

Annuario statistico italiano, anni 1878, 1881, 1884, 1886, 1887-88, 1889-90, 1892, e 1893. Pubblicazione della Direzione Generale della Statistica.

Censimenti della Popolazione del Regno d' Italia—1861, 1871, 1881, eseguiti a cura della Direzione Generale di Statistica.

Censimenti degli Italiani all' estero, 1871, 1881. Id.

*Emigrazione e Colonie—Rapports di R.R. Agenti diplomatici e consolari pubblicati dal Ministero degli Affari esteri.* 1893.

Superficie del Regno d' Italia valutata nel 1884. Pubblicazione dell' Istituto Geografico Militare (Firenze).

L' Italia economica negli anni 1867, 1868, 1869, 1870, e 1873, 5 volumi. The first four years are by Dr. Pietro Maestri; the volume for 1873 is an official publication issued by the Ufficio della Statistica Generale d' Italia.

Annali di Statistica. 10 volumes of the first series, 25 of the second series, 15 of the third series, and 75 of the 4th series are now published (October, 1894). Id.

Annuario dei Ministeri delle Finanze e del Tesoro. Statistica finanziaria. Pubblicazione annuale (cessata nel 1891).

Annuario militare e Annuario ufficiale della Regia Marina. Pubblicazione annuale dei rispettivi Ministeri.

Relazione sulle leve e sulle vicende del R.<sup>o</sup> Esercito. Pubblicazione annuale del Ministero della Guerra.

Relazione sulle leve di mare. Pubblicazione annuale del Ministero della Marina.

Relazione intorno ai servizi postale e telegrafico ed al servizio delle casse postali di risparmio. Pubblicazione annuale del Ministero delle Poste e dei Telegrafi.



Relazione sull' esercizio e sulle costruzioni delle stradeferrate italiane. Pubblicazione annuale del Ministero dei Lavori Pubblici.

Bollettino dei prodotti delle ferrovie. Pubblicazione mensile del Ministero dei Lavori Pubblici.

Stati di Previsione dell' Entrata e della Spesa, e Conti Generali Consuntivi. Pubblicazioni annuali del Ministero del Tesoro.

La Gerarchia Cattolica, la Famiglia e la Cappella Pontificia. Rome. Pubblicazione annuale dell' Autorità ecclesiastica.

Movimento dello Stato civile. Pubblicazione annuale della Direzione Generale della Statistica.

Statistica dell' istruzione. Id.

Statistica giudiziaria civile e commerciale e Statistica giudiziaria penale. Pubblicazioni annuali della Direzione Generale di Statistica.

Statistica della Stampa periodica. Pubblicazione biennale. Id.

Atti della Giunta per l' inchiesta agraria e sulla condizione della classe agricola. Rome, 1880-84.

Bollettino di notizie agrarie. Pubblicazione periodica del Ministero di Agricoltura, Industria e Commercio (Direzione Generale dell' Agricoltura).

Rivista del servizio minerario. Pubblicazione annuale. Id.

Bollettino di notizie sul credito e la previdenza. Pubblicazione mensile del Ministero di Agricoltura, Ind. e Comm.

Le Società cooperative di credito e banche popolari, le Società ordinarie di credito, le Società ed Istituti di credito agrario e gli Istituti di credito fondiario. Pubblicazione annuale. Id.

Statistica delle Casse di Risparmio. Pubblicazione annuale del Ministero di Agricoltura, Ind. e Comm.

Atti della Commissioni d' inchiesta sull' esercizio delle ferrovie italiane.

Relazioni sulle strade comunali, provinciali e nazionali. Pubblicazione annuale del Ministero dei Lavori Pubblici.

Atti della Commissione d' inchiesta sulla marina mercantile.

Sulle condizioni della marina mercantile italiana. Pubblicazione annuale del Ministero della Marina.

Movimento della navigazione nei Porti del Regno. Pubblicazione annuale del Ministero delle Finanze.

Movimento commerciale del Regno d' Italia. Id.

Statistica dei Bilanci comunali. Pubblicazione annuale della Direzione Generale della Statistica.

Statistica dei Bilanci provinciali. Id.

Statistica dei Debiti comunali e provinciali. Pubblicazione periodica della Direzione Generale della Statistica.

Foreign Office Reports, Annual Series, and Miscellaneous Series. 8. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the Year 1893. Imp. 4. London, 1894.

*Hertslet* (Sir E.), Foreign Office List. London, 1894.

*Slade* (J. R.), Handbook of the Italian Army. 8. London, 1891.

## FOREIGN DEPENDENCIES.

Provvedimenti per la costituzione e l' ordinamento di una Colonia italiana in Assab. Ministero degli Affari Esteri, 1882.

Possessi e Protettorati in Africa. Estratto dall' Annuario statistico italiano, anno 1893 (which contains a list of official documents relating to the colony of Eritrea). Roma, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.—ITALY

*Amati Amato*, Dizionario orografico dell' Italia. Milano, Vallardi, s. d. 8 vols. in 4to.

*Antinori* (Giuseppe), Studi Sociali. 8. Napoli, 1885.

*Baedeker's* Handbooks for Travellers. Northern Italy, 1892; Central Italy and Rome, 1893; Southern Italy and Sicily, 1893. 8. Leipsic and London.

*Beaufort* (Comte de), Histoire de l' Invasion des Etats Pontificaux et du Siège de Rome, 1870. 8. Paris, 1874.

*Beauclerk* (Dr. W. N.), Rural Italy; an Account of the present Agricultural Condition of the Kingdom. London, 1888.

*Bodio* (L.), Di alcuni indici misuratori del movimento economico in Italia. 3a edizione riveduta ed ampliata. Roma, tipografia Nazionale di G. Bertero, 1895.

*Bertolotti* (Giuseppe), Statistica ecclesiastica d' Italia. Savona, 1855.

*Chambers* (O. W. S.), Garibaldi and Italian Unity. 8. London, 1864.

*Dacey* (E.), Victor Emmanuel. 8. London, 1882. Cavour: a Memoir. 8. London, 1861.

- Duffy* (Bella), The Tuscan Republics. [In "Story of the Nations" series.] 8. London, 1892.
- Edwardes* (C.), Sardinia and the Sardes. 8. London, 1889.
- Elliot* (Frances), Diary of an Idle Woman in Italy. 2 vols. 8. London, 1871. Diary of an Idle Woman in Sicily. 2 vols. 8. London, 1881.
- Forbes* (Sir C. S.), The Campaign of Garibaldi in the Two Sicilies: a Personal Narrative. 8. Edinburgh, 1861.
- Gallenga* (A.), History of Piedmont. 3 vols. 8. London, 1885. Italy, Present and Future. 8. London, 1887. Italy Revisited. 2 vols. 8. London, 1876.
- Gli Albori della Vita italiana. [A series of essays by various writers on the origin of the Communes of Florence, Milan, Venice; the origin of Monarchy in Piedmont and Naples; the Papal Power and the Commune of Rome; the Religious Orders and Heresy]. 2 vols. 8. Milan, 1890-91.
- Gregorovius* (Ferdinand), Geschichte der Stadt Rom im Mittelalter. 4th edition. 4 vols. 8. Stuttgart, 1886.
- Marriott* (J. A. R.), The Makers of Modern Italy: Mazzini, Cavour, Garibaldi. [Contains a short bibliography relating to the period.] 8. London, 1889.
- Murray's* Handbooks for Travellers. North Italy; Central Italy; Rome and its Environs; South Italy and Sicily. 8. London.
- O'Clery* (P. K.), The Making of Italy, 1856-1870. 8. London, 1892.
- Probyn* (J. W.), Italy from the Fall of Napoleon I. (1815-1890). London, 1892.
- Villari* (Pasquale), Le Lettere meridionali ed altri Scritti sulla Questione Sociale in Italia. 2d. Ed. 8. Torino, 1885.
- Villari* (I.), Here and There in Italy and over the Border. 8. London, 1893.
- Witte* (Baron J. de), Rome et l'Italie sous Léon XIII. 8. Paris, 1892.
- Zermant* (R.), Sardinia and its Resources. 8. London, 1885.

#### FOREIGN DEPENDENCIES.

- Bent* (Theodore), The Sacred City of the Ethiopians; a visit to Aksum in Abyssinia in 1893. 8. London, 1893.
- Blanford* (W. T.), The Geology and Zoology of Abyssinia. 8. London, 1870.
- Bruce* (James), Travels to discover the Sources of the Nile, 1768-73. 5 vols. 4. Edinburgh, 1790.
- Cora* (G.), Several Special Maps of Assab, Massowah, Afâr Country, and of the other Italian Possessions and adjoining Countries, published in Turin from 1881 to 1890.
- D'Abbadie* (Antoine), Géodésie d'Ethiopie, and numerous other memoirs.
- Harris* (Sir W. Cornwallis), The Highlands of Ethiopia. 3 vols. 8. London, 1844.
- Hartmann* (Robert), Abyssinien und die übrigen Gebiete der Ostküste Afrikas. In Vol. XIV. of Das Wissen der Gegenwart. Leipzig, 1883.
- Heuglin* (M. Theodor von), Reise in Nordost-Afrika. 2 vols. 8. Brunswiek, 1877.
- Lefebvre* (Theophile), Voyage en Abyssinie 1839-43. 6 vols. Paris, 1845-54.
- Lejean* (G.), Voyage en Abyssinie. (1862-64). 4. Paris, 1872.
- Levasseur* (Prof. E.), The Area and Population of Ethiopia, in Bulletin of the International Statistical Institute.
- Massaja* (G.), I miei Trentacinque anni di Missione nell' Alta Etiopia. 7 vols. Fol. Rome, 1885-89.
- Portal* (Sir G. H.), My Mission to Abyssinia. 8. London, 1892.
- Raffray* (Achille), Afrique Orientale, Abyssinie. 12. Paris, 1876.
- Réclus*, Universal Geography. Vol. X.
- Rohlf's* (G.), Meine Mission nach Abessinien, &c., 1880-81. 8. Leipzig, 1883.
- Rippell* (W. P. E. S.), Reise in Abyssinien. 2 vols. Frankfurt-am-Main, 1832-40.
- Stern* (Henry A.), Wanderings among the Falashas of Abyssinia. 8. London, 1862.
- Wilkins* (H. St. Clair), Reconnoitring in Abyssinia. 8. London, 1870.
- Wolverton* (Lord), Five Months in Somaliland. 8. London, 1894.

#### Books of Reference concerning San Marino.

- Bent* (J. Th.), A Freak of Freedom. 8. London, 1879.
- Boyer de Sainte Suzanne* (R. de), La République de Saint-Marin. 18. Paris, 1883.
- Delfico* (Melchiorre), Memorie storiche della Repubblica di San Marino. 3rd ed. 3 vols. 8. Florence, 1843-44.
- Fea* (Carlo), Il diritto sovrano della Santa Sede sopra le Valli di Comnacchio e sopra le Repubblica di San Marino difeso. 8. Roma, 1834.
- Franciosi* (P.), Garibaldi e la Repubblica di San Marino. 8. Bologna, 1891.

## JAPAN.

(NIPHON.)

### Reigning Sovereign.

THE Japanese claim that their empire was founded by the first Emperor Jimmu 660 B.C., and that the dynasty founded by him still reigns. It was revived in the year 1868, when the now ruling (*de jure*) sovereign overthrew, after a short war, the power of the Shogun (the *de facto* sovereign), who had held the ruling power in successive families since the twelfth century; and in 1871 the feudal system (Hōken Seiji) was entirely suppressed. The sovereign bears the name of Kōtei, or Emperor; but the appellation by which he is generally known in foreign countries is the ancient title of Mikado, or 'The Honourable Gate.'

*Mikado of Japan.*—*Mutsuhito*, born at Kyoto, November 3, 1852; succeeded his father, Kōmei Tenno, Feb. 13, 1867; married, Feb. 9, 1869, to Princess Haruko, born May 28, 1850, daughter of Prince Ichijo.

*Offspring.*—Prince Yoshihito, born Aug. 31, 1879; proclaimed the Crown Prince (Kotaiishi), Nov. 3, 1889; Princess Masako, born Sept. 30, 1888; Princess Fusako, born Jan. 28, 1890; Prince Terhito, born Nov. 30, 1893.

By the Imperial House Law of February 11, 1889, the succession to the throne has been definitely fixed upon the male descendants. In case of failure of direct descendants, the throne devolves upon the nearest Prince and his descendants. The civil list for 1893-94 amounts to 3,000,000 yen.

### Constitution and Government.

The system of government of the Japanese Empire was that of an Absolute Monarchy. A Constitution was, however, promulgated on February 11, 1889.

By this Constitution the Emperor is the head of the Empire, combining in himself the rights of sovereignty, and exercising the whole of the executive powers with the advice and assistance of the Cabinet Ministers, who are responsible to him, and are appointed by himself. There is also a Privy Council, who deliberate upon important matters of State when they have been consulted by the Emperor. The Emperor can declare war, make

peace, and conclude treaties. The Emperor exercises the legislative power with the consent of the Imperial Diet. It is the prerogative of the Emperor to give sanction to laws, to convoke the Imperial Diet, to open, close, and prorogue it, and to dissolve the House of Representatives. The Imperial Diet consists of two Houses, a House of Peers and a House of Representatives. Every law requires the consent of the Imperial Diet. Both Houses may respectively initiate projects of law, can make representations to the Government as to laws or upon any other subject, and may present addresses to the Emperor.

The House of Peers is composed of (1) male members of the Imperial family of the age of 20 and upwards; (2) princes and marquises of the age of 25 and upwards (11 princes and 28 marquises); (3) counts, viscounts, and barons of the age of 25 and upwards, and who have been elected by the members of their respective orders, never to exceed one-fifth of each order (80 counts, 355 viscounts, 29 barons); (4) persons above the age of 30 years, who have been nominated members by the Emperor for meritorious services to the State or for erudition; (5) persons who shall have been elected in each Fu and Ken from among and by the 15 male inhabitants thereof, of above the age of 30 years, paying therein the highest amount of direct national taxes on land, industry, or trade, and have been nominated by the Emperor. The term of membership under (3) and (5) is seven years; under (1), (2), and (4) for life. The number of members under (4) and (5) not to exceed the number of other members. The entire membership of the House of Peers is to be about 300.

The members of the House of Representatives number 300, a fixed number being returned from each election district. The proportion of the number of members to the population is about one member to 128,000. The qualifications of electors are (1) male Japanese subjects of not less than full 25 years of age; (2) fixed permanent and actual residence in the Fu or Ken for not less than a year; (3) payment of direct national taxes to the amount of not less than 15 yen for one year in the Fu or Ken, and in case of income tax for three years.

The qualifications of persons eligible for election are generally the same as those of electors, except that they must be of not less than 30 years, and need not have fixed residence in the Fu or Ken. The term of membership is four years.

Disqualified for members of the House of Representatives are officials of the Imperial Household, judges, auditors, officials connected with the collection of taxes, police officials, officials of electoral districts within their own districts, military and naval officers, and priests or ministers of religion. The President and Vice-President of the House of Peers are nominated by the Emperor from among the members, and President and Vice-President of the House of Representatives are nominated by the Emperor from among three candidates elected by the House. The Presidents of both Houses receive an annual salary of 4,000 yen; Vice-Presidents, 2,000 yen; elected and nominated members of the House of Peers and members of the House of Representatives, 800 yen, besides travelling expenses. No one is allowed to decline these annual allowances.

The Imperial Diet has control over the finances and the administration of justice. Voting is by secret ballot, and the system is that of *scrutin de liste*. The Diet must be assembled once every year.

### Local Government.

At the head of local administration in the provinces are the governors, one of them residing in each of the 46 districts (3 Fus and 43 Kens) into which Japan is divided. In 1879, city and prefectural assemblies were created, based on the principle of election; their power is confined to fixing the estimates of the local rates, subject to the confirmation of the governors, and finally of the Minister of the Interior. Eligible to the assembly are all male citizens 25 years of age, resident in the district at least three consecutive years, and paying land tax of more than ten yen annually. The franchise is conferred on all male citizens of 20 years residing in the district, and paying more than five yen land tax. Annually, or in every other year, governors are summoned to the Department of the Interior to deliberate upon matters of local administration. Each district is subdivided into cities (*ku*), and counties (*gun*), each with its chief magistrate (*chō*), who manages local affairs. The Island of Hokkaidō (Yezo) has a governor and a special organisation.

To further carry out the principle of decentralisation and self-government a system of local administration in *shi* (municipality), *cho* (town), and *son* (village) was established by Imperial Rescript, April 17, 1888, which came into effect April 1, 1889, and is to be applied gradually according to the circumstances and requirements of these localities.

### Area and Population.

The Empire is geographically divided into the four islands of Honshiu or Nippon, the central and most important territory; Kiushiu, 'the nine provinces,' the south-western island; Shikoku, 'the four states,' the southern island; and Hokkaidō (Yezo) to the north of Honshiu; besides the Liukiu, Sado, Awaji, Oki, Tsushima, and Bonin Islands. Administratively there exists a division into three 'Fu' and forty-three 'Ken,' or prefectures. There is also a political division into 85 provinces, 40 urban and 805 rural arrondissements, 1,328 towns, and 13,773 villages (number of villages of Okinawa prefecture excluded) (1893).

The population of Japan has increased as follows since 1888:—

Year	Population (Dec. 31)	Annual Increase per cent.	Year	Population (Dec. 31)	Annual Increase per cent.
1888	39,607,234	1·38	1891	40,718,677	0·66
1889	40,072,020	1·17	1892	41,089,940	0·91
1890	40,453,461	0·95			

The total area of Japan, according to the official returns of December 31, 1892, is 147,655 square miles, with a population of

41,089,940 (20,752,366 males, and 20,337,574 females). The population of the six divisions is as follows:—

—	Sq. m.	Population	Pop. per sq. m.	—	Sq. m.	Population	Pop. per sq. m.
Central Nippon	36,600	15,912,791	435	Shikoku.	7,031	2,903,332	413
Northern ”	30,204	6,261,150	207	Kiushiu.	16,840	6,326,905	376
Western ”	20,681	9,345,388	452	Hokkaidô	36,299	340,374	9
Total Nippon	87,485	31,519,329	360	Grand tot.	147,655	41,089,940	278

On December 31, 1892, the population was divided among the various classes as follows:—Imperial family, 45 (not included in the total population); kwazoku, or nobles, 3,853; shizoku, or knights (formerly retainers of the daimios), 2,014,306; common people, 39,071,781. The number of foreigners in 1893 was 9,633, of whom 5,343 were Chinese, 1,787 English, 945 Americans, 490 Germans, 391 French, 144 Portuguese, 94 Dutch, 110 Russians, and 329 other nationalities. The number of Japanese residents abroad in 1893 was 35,114.

The following table gives the statistics of the births, deaths, and marriages for five years:—

Year	Births	Deaths	Marriages	Excess of Birth
1888	1,172,729	752,834	330,246	419,895
1889	1,209,910	808,680	340,445	401,230
1890	1,145,374	823,718	325,141	321,656
1891	1,092,275	853,139	325,651	239,136
1892	1,207,034	886,988	348,489	320,046

In 1888 the still-births (not included in the above) numbered 77,495, and living illegitimate, 63,754; in 1889 the former 85,251, the latter 68,498; in 1890, the former 91,752, the latter 66,253; in 1891, the former 91,389, the latter 63,122; in 1892, the former 105,554, the latter 72,085.

The following is a list of the cities with a population over 30,000 in 1892:—

Tokio . . .	1,180,569	Kumamoto . . .	59,089	Takamatsu . . .	35,594
Osaka . . .	479,546	Toyama . . .	58,761	Matsuyama . . .	34,762
Kioto . . .	308,266	Fukuoka . . .	56,003	Kochi . . .	34,533
Nagoya . . .	185,776	Wakayama . . .	55,955	Akamagaseki . . .	33,592
Kobé . . .	148,625	Kagoshima . . .	55,812	Kofe . . .	33,408
Yokohama . . .	143,754	Okayama . . .	50,114	Utsunomiya . . .	33,334
Kanasawa . . .	92,239	Niigata . . .	49,884	Mayebashi . . .	32,957
Hirosima . . .	90,901	Sakai . . .	46,566	Gifu . . .	32,406
Sendai . . .	70,558	Matsuye . . .	45,526	Morioka . . .	32,044
Nagasaki . . .	63,038	Naha . . .	44,228	Otsu . . .	31,279
Tokusima . . .	62,218	Fukui . . .	41,699	Hirosaki . . .	30,897
Hakodate . . .	60,383	Shizuoka . . .	36,343	Takaoka . . .	30,118

## Religion.

By the new Constitution absolute freedom of religious belief and practice is secured, so long as it is not prejudicial to peace and order. The chief forms of religion are—(1) Shintoism, with 10 sects; (2) Buddhism, with 12 sects and 40 creeds. There is no State religion, and no State support. The principal Shinto temples are, however, maintained by State or local authorities. In 1892—Shinto temples, 193,476; priests, 14,766; students, 1,289. Buddhist temples, 71,973; priests, 51,377; students, 9,145. There are also numerous Roman Catholics, adherents of the Greek Church, and Protestants.

## Instruction.

Elementary education is compulsory. The number of children of school age (6-14) on December 31, 1892, was 7,356,724. The following are the educational statistics for 1892:—

Institutes	Number	Teaching Staff	Students and Pupils
Elementary schools . . . . .	23,627	59,796	3,165,410
Lower middle „ . . . . .	61	791	16,033
Higher „ „ . . . . .	7	289	4,083
High girls' „ „ . . . . .	28	318	2,619
Normal „ „ . . . . .	49	662	5,521
Technical „ „ . . . . .	90	2,383	16,596
Special „ „ . . . . .	1,537	3,903	76,299
University „ „ . . . . .	3	198	1,444
Kindergarten „ „ . . . . .	177	357	12,011

The University consists of a University Hall, Colleges of Law, Science, Medicine, Literature, and Engineering. It is supported by Government, The bulk of the elementary and higher schools are also supported by Government and by local rates. One of the normal schools is for high school teachers.

In 1892 there were 24 libraries in Japan, with 327,548 volumes. In 1892, 7,334 books of various kinds, and 792 periodicals, monthly, weekly, daily, were published. Of the periodicals 244,203,066 copies were issued.

## Justice and Crime.

A system of justice founded on modern jurisprudence has been established. Judges are irremovable, except by way of criminal or disciplinary punishment. There is a Court of Cassation at Tokio, which takes cognisance of civil and criminal appeals. There are seven courts of appeal, having appellate jurisdiction over civil and criminal cases decided in the courts of first instance. There are 49 courts of first instance, one in each Fu or Ken, with branch courts in some Fus and Kens having unlimited original civil jurisdiction. As criminal courts they try and decide all lesser crimes, and also make preliminary examination of serious crimes. Courts of peace (301), established in principal towns and villages of every Fu and Ken, take cognisance of all petty

ffences. Once in three months criminal courts are constituted in courts of appeal, and sometimes in courts of first instance, a president and four judges, to try serious crimes.

A few judges of high rank are directly appointed by the Emperor, and some are appointed by him on nomination by the Minister of Justice. The following are the criminal statistics for five years :—

—	1888	1889	1890	1891	1892
Serious crimes	3,174	2,431	3,260	3,260	3,249
Lesser „	73,279	86,555	137,268	154,087	166,884
Total . . .	76,453	88,986	140,528	157,678	170,133

There are eight State prisons (one temporary), 156 local prisons, reformatories at least in each Fu and Ken, also 7 military prisons, and 3 naval prisons. Number of prisoners of all kinds, convicted and accused, and those in reformatories, at the close of 1892 :—Men, 71,371 ; women, 4,959 ; total, 76,330.

### Pauperism.

Government reserves an amount of above 19,000,000 yen for a relief fund, and grants relief out of the interest of the fund. The amount thus granted in 1891–92 was 381,444 yen for food to 15,151,211 persons (counting the same person as different for each day), 727,544 yen for provisional dwellings to 137,907 families, 117,736 yen for instruments of agriculture to 48,049 families, 29,128 yen for seed grain to 16,620 families, 18,108 yen for subsidy of land tax to 7,657 families, and 19,958 yen for loan of land tax to 3,979 families. The central Government also grants relief to the extremely poor, the helpless, and friendless ; in 1891, 23,241 persons were thus relieved, to the amount of 116,188 yen, as compared with 6,018 persons and 44,800 in 1883–84. In the end of 1891, 5,324 foundlings were being maintained. There is a work-house in Tokio, with 506 paupers at the end of 1892, as compared with 108 in 1884 ; income, 1891–92, 19,642 yen ; expenditure, 14,696 yen.

### Finance.

#### I. IMPERIAL.

The following are the revenue and expenditure for five fiscal years, the amounts for the years 1892–93 being present accounts, and for 1893–94 estimates :—

—	1889-90	1890-91	1891-92	1892-93	1893-94
	Yen	Yen	Yen	Yen	Yen
Revenue . . .	96,687,979	106,469,354	103,231,489	101,461,911	88,045,234
Expenditure . . .	79,713,672	82,125,403	83,555,891	76,734,740	81,848,105

In this table the revenue for each year includes the surplus of the previous year, as follows :—1889-90, 4,348,975 yen ; 1890-91, 20,598,721 yen ; 1891-92, 24,343,951 yen ; 1892-93, 19,675,597 yen ; 1893-94, 3,809,643 yen.

The following are the budget estimates for the year ending 31 March, 1895 :—



Revenue	Yen	Expenditure	Yen
Land-tax . . . . .	38,693,966	Public debt repayment	4,890,074
Income-tax . . . . .	1,083,196	„ „ interest&fees	15,129,904
Bank licences . . . . .	220,730	Civil list and Shinto temples . . . . .	3,206,808
Stamp duties . . . . .	604,084	Cabinet, Privy Council, Board of Auditors, and Court of Admin- istrative Litigation . . . . .	481,307
Tax on saké, malt, and soy . . . . .	16,818,517	Imperial Diet . . . . .	569,558
Tax on tobacco . . . . .	1,835,169	Ministry of For. Affairs	660,885
Other inland revenue . . . . .	2,869,819	„ „ Interior . . . . .	763,772
Customs . . . . .	4,550,655	Tokio police department	276,641
Post and Telegraphs . . . . .	6,326,361	Provincial government	4,921,458
State Services . . . . .	3,285,347	Ministry of Finance . . . . .	4,359,151
Forests . . . . .	1,061,402	„ War . . . . .	12,810,664
Various licences, fees, and others . . . . .	2,042,839	„ Marine . . . . .	5,639,989
State property, and miscellaneous . . . . .	1,140,224	„ Justice . . . . .	3,573,239
Interest received from deposits . . . . .	943,750	„ Education . . . . .	968,286
Temporary revenue . . . . .	2,759,532	„ Agriculture and Commerce . . . . .	990,040
		Ministry of Post and Telegraphs . . . . .	5,710,034
		Hokkaidô government	1,503,617
		Annuities and pensions	1,338,640
		Redemption of paper currency . . . . .	1,000,000
		Exceptional: . . . . .	
		Bridges, &c, . . . . .	1,020,247
		Defences . . . . .	6,654,712
		Various . . . . .	3,671,474
<b>Total . . . . .</b>	<b>84,235,591</b>	<b>Total . . . . .</b>	<b>80,140,500</b>
Surplus of previous year	3,809,643		

The public debt of Japan stood as follows on March 31, 1893 :—Home debt : 7½ per cent., 10,000,000 yen ; 5 per cent., 218,182,470 yen ; 4 per cent., 8,530,375 yen ; no interest, 28,144,726 yen ; total, 264,857,571 yen. Foreign debt : 7 per cent., 2,957,280 yen. Total, 267,814,851 yen. Paper currency, 15,704,773 yen.

## II. LOCAL.

The estimated revenue of Fu and Ken for 1893-94 is 18,324,610 yen, and expenditure 18,356,858 yen. The Treasury is to grant to local governments 1,082,777 yen. The actual revenue for 1891-92 of Shi, Cho, and Son was 23,927,581 yen, and expenditure 22,381,984 yen.

### Defence.

The Emperor has the supreme command of the army and navy. Since the restoration of Imperial authority and the consequent abolition of the feudal system, the army of the Empire

has been organised on a uniform system on the basis of conscription. According to the present law, all males of the age of 20 are liable to serve in the standing army for seven years, of which three must be spent in active service, and the remaining four in the army of reserve. After quitting the army of reserve they have to form part of the *landwehr* for another five years; and every male from 17 up to 40 years of age, who is not either in the line, the reserve, or the *landwehr*, must belong to the *landsturm*, and is liable to be called to service in times of national emergency.

The army is composed of the Imperial Guard and six divisions. In 1892 it was as follows:—The Imperial Guard (2 brigades or 4 regiments of infantry, 1 squadron of cavalry, 1 regiment of artillery, 1 company of engineers, 1 company of train, and a band of music) consists of 282 officers, 6,660 non-commissioned officers and men, with 638 horses. The six divisions consist of—infantry, 12 brigades or 24 regiments, 1,754 officers, 35,965 non-commissioned officers and men; cavalry, 6 squadrons, 107 officers, 1,580 non-commissioned officers and men, 1,833 horses; artillery, 8 regiments, 340 officers, 5,332 non-commissioned officers and men, 1,989 horses; engineers, 6 battalions, 114 officers, 2,062 non-commissioned officers and men; train, 6 squadrons, 119 officers, 1,971 non-commissioned officers and men, 1,730 horses; a band of music (48 non-commissioned officers and men). Including the Jesso militia, reserves, and *landwehr*, the total strength on peace footing in 1894 consisted of 4,358 officers and 265,390 men. There are a staff college, military college, cadet college, military school, gunnery school, a school for non-commissioned officers, &c., with 2,083 students. The reserve has a strength of 91,190, and the *landwehr* of 106,088.

All the fire-arms, ordnance, and ammunition used in the Imperial army are manufactured at the arsenals of Tokio and Osaka. The rifle now used in the army is the Murata rifle, which was invented in Japan a few years ago.

The Japanese navy has its Ministry and the department of naval command in Tokio. The Minister of Marine is a member of the Cabinet and superintends the administration. The chief of the naval command is appointed from the admirals on the active list, and is responsible under the Emperor for the operations of the fleet. The coast of Japan is divided into five maritime districts having their head-quarters with docks, arsenals, and barracks, at Yokosuka, Kure, Sasebo, Maizuru, and Muroan (the last two not established yet). The *personnel* of the navy in 1894 was as follows:—5 vice-admirals, 3 rear-admirals, 35 captains, 56 commanders, 573 lieutenants and midshipmen, 172 engineers and technical officers (ordnance, naval architect, hydrograph), 123 medical officers and apothecaries, 2,097 accountant, warrant and petty officers, 8,110 seamen and firemen; total, 11,174. The *personnel* is trained as in the navies of Europe, and has given excellent proofs of bravery, steadiness, and discipline during the course of the conflict with China. The total number of the naval reserve is 2,555.

The strength of the Japanese navy, according to the classification adopted in this book, is as follows:—2 first-class battleships (in course of construction in England), 4 armoured cruisers (of which three are old iron and composite ships suitable mainly for convoying purposes), 9 second-class cruisers (between 2,000 and 5,000 tons, of which 2 are being built in Japan), and 19 vessels which may be ranked as third-class cruisers. Of these 16 have a sea speed of 10 knots or more. The torpedo flotilla consists of 1 first-class, 24 second-class, and 16 third-class boats.

The following are the principal vessels of the Japanese navy. Those named in italics are armoured; those with *a* prefixed are deck-protected.

—	Class	Launched	Tons	Indicated Horse-power	Number of Guns	Knots per hour
<i>Fuso</i> . . . . .	Cruiser	1877	3,787	3,500	11	13
<i>Kongo</i> . . . . .	"	1879	2,284	2,034	9	12
<i>Hi-yei</i> . . . . .	"	"	"	2,227	9	12
<i>Tschiyoda</i> . . . . .	"	1889	2,440	5,600	24	19
<i>a</i> Naniwa . . . . .	"	1885	3,750	7,650	10	19
<i>a</i> Takachiho . . . . .	"	"	"	7,650	10	19
<i>a</i> Itsukushima . . . . .	"	1890	4,277	5,400	28	16
<i>a</i> Matsushima . . . . .	"	1891	"	"	28	16
<i>a</i> Hashidate . . . . .	"	"	"	"	18	16
<i>a</i> Akitsushima . . . . .	"	1892	4,150	8,400	12	19
<i>a</i> Yoshino . . . . .	"	"	4,150	15,000	34	22½
Tsukushi . . . . .	"	1882	1,350	2,900	6	17
Kaimon . . . . .	"	1882	1,460	1,250	7	12
Tenrio . . . . .	"	1883	1,580	1,165	7	12
Takao . . . . .	"	1885	1,760	2,300	5	15
Yamato . . . . .	"	"	1,680	1,600	7	13
Katsuragi . . . . .	"	"	1,680	1,600	7	13
Musashi . . . . .	"	1886	1,680	1,600	7	13
Yayeyama . . . . .	"	1889	1,800	5,400	3	20
New ship . . . . .	"	Building	2,700	8,500	20	20
" " . . . . .	"	"	2,800	8,500	20	19½
" " . . . . .	Despatch	"	1,800	6,130	8	20
" " . . . . .	Battleship	"	12,446	13,687	38	18½
" " . . . . .	"	"	12,140	14,194	38	18½

The sister ships *Hashidate*, *Itsukushima*, and *Matsushima* (the first built at Yokosuka, the others at La Seyne) are of a special class of coast-defence protected cruisers. They displace 4,277 tons, are 295 feet in length, and measure 50 feet 6 inches in beam. Each carries one gun of 12½ inches, and has a powerful quick-firing armament. The protection consists of a 2-inch steel deck. The *Akitsushima*, built in Japan, is a like vessel, but of greater speed (19 knots). The steel cruiser *Yoshino*, built at Elswick, is analogous in plan to the Argentine *9 de Julio* and *25 de Mayo*, but is larger and provided with a double bottom. Her length is 350 feet, her beam 46 feet 6 inches, and she has a displacement of about 4,000 tons. Her armament consists of four 6-inch guns (one on the poop and one on the fore-castle, each with a firing arc of 270°, and the other two sponsoned out on either bow), eight guns of 4.7 inches, twenty-two 3-pounders, all on the quick-firing principle, and five torpedo tubes. The two battleships, first of the class, in the Japanese navy, are building in England. Dimensions:—Length 270 feet, beam 73 feet, draught 26 feet; armouring from 16 to 18 inches; armament, four 12-inch guns coupled in barbettes fore and aft, and ten 6-inch; fourteen 3-pounder and ten 2½-pounder quick-firers, with six torpedo tubes.

### Production and Industry.

The land is cultivated chiefly by peasant proprietors, tenancy being rare. The land is thus officially divided for 1892, excepting forests and open field of public land, which represent for 1891, in acres:—Public land: Crown land, 8,957,258; used for Government purposes, 194,384; forests, 28,866,036; open field, 14,290,094; miscellaneous, 39,951; total, 52,347,723 acres. Private land: under cultivation, 11,705,678; homesteads, 874,450; forests, 16,263,760; open field, 2,575,442; miscellaneous, 53,089; total, 31,472,419 acres. The public lands include only those surveyed, and the private only those taxed.

The following are some agricultural statistics for 1888–92:—

—	1888	1889	1890	1891	1892
Rice (acres) . . . . .	6,582,548	6,681,929	6,734,027	6,756,904	6,752,755
(bushels) . . . . .	191,794,164	163,813,249	213,592,342	189,203,356	205,359,621
Wheat (acres) . . . . .	992,385	1,068,851	1,121,936	1,043,718	1,064,192
(bushels) . . . . .	15,355,808	15,987,908	12,183,959	17,577,262	15,256,163
Barley (acres) . . . . .	1,545,734	1,553,286	1,590,801	1,590,559	1,601,155
(bushels) . . . . .	35,073,559	35,673,871	20,885,682	40,273,730	33,793,999
Rye (acres) . . . . .	1,435,533	1,434,170	1,457,660	1,565,378	1,592,811
(bushels) . . . . .	25,411,974	24,296,190	14,097,733	31,870,166	30,060,404
Tea (in kwan <sup>1</sup> ) . . . . .	7,252,787	6,907,564	6,945,419	7,096,398	7,822,034
Sugar (in kwan <sup>1</sup> ) . . . . .	10,648,468	13,863,323	22,235,661	13,314,737	10,721,172
Silk : cocoons (in koku <sup>2</sup> ) . . . . .	1,118,280	1,402,273	1,172,272	1,580,240	1,480,705
raw (in kwan <sup>1</sup> ) . . . . .	944,400	1,184,681	1,188,167	1,542,831	1,643,281

<sup>1</sup> 1 kwan = 8·28 pounds avoird.

<sup>2</sup> 1 koku = 4·96 bushels.

The number of cattle in 1889 was 1,021,503; in 1890, 1,044,976; in 1891, 1,057,422; in 1892, 1,093,638; and of horses in 1889, 1,541,342; in 1890, 1,546,368; in 1891, 1,547,661; in 1892, 1,552,530.

The mineral and metal products in the fiscal year, 1890-91, were as follows:—

—	Official Mines	Private Mines
Gold mommé <sup>1</sup> . . . . .	69,348	126,327
Silver „ . . . . .	1,870,431	12,237,679
Copper kwan <sup>2</sup> . . . . .	6,482	4,850,413
Iron „ . . . . .	957,242	5,019,810
Lead „ . . . . .	—	206,612
Coal „ . . . . .	1,783,219	696,589,835
Antimony „ . . . . .	—	504,412
Sulphur „ . . . . .	—	5,519,924

<sup>1</sup> 120 momme = 1 lb. avoirdupois.

<sup>2</sup> 1 kwan = 8·28 lbs.

Silk, cotton, and other textiles were manufactured to the value of 17,825,645 yen in 1886; 27,475,408 yen in 1887; 57,654,054 yen in 1888; in 1889, 39,344,840 yen; in 1890, 33,040,151 yen; in 1891, 46,509,289 yen. Cotton yarn was manufactured in 1886 to the extent of 785,424 kwan, in 1888, 1,593,103 kwan, in 1889, 3,358,042 kwan, in 1890, 5,232,588 kwan, in 1891, 8,163,093 kwan; and in 1892, 12,240,793 kwan.

In 1891 there were 377,501 fishing-boats, and 2,508,361 persons wholly or partially engaged in fishing. Some of the products were:—(1892) salt fish, 13,284,390 kwan; dried fish, &c., 8,643,710 kwan; fish manure, 27,096,221 kwan; fish oil, 866,049 kwan; sea-weed, &c., 13,038,760 kwan.

### Commerce.

The following table shows the value of the foreign trade of Japan for five years:—

—	1889	1890	1891	1892	1893
	Yen	Yen	Yen	Yen	Yen
Imports . . . . .	66,236,019	81,836,575	63,851,132	75,952,344	89,355,338
Exports . . . . .	70,179,893	56,687,034	75,595,533	91,178,553	90,419,909

In 1893 the imports subject to duty were of the value of 79,462,140 yen, and the duty-free 9,893,198 yen. The exports subject to duty amounted to 51,531,242 yen, and the duty-free exports to 38,888,667 yen.

The commercial intercourse of Japan is mainly with the following countries, and to the following values in 1892 and 1893:—

Countries	Exports to		Imports from	
	1892	1893	1892	1893
	Yen	Yen	Yen	Yen
United States . . . . .	38,674,971	27,739,458	5,988,054	6,090,408
British America . . . . .	1,088,407	1,720,559	30,754	16,629
Great Britain . . . . .	3,921,753	4,995,975	20,789,332	27,929,628
China . . . . .	6,358,860	7,714,420	12,509,410	17,093,975
France . . . . .	18,093,694	19,531,975	3,620,500	3,305,277
East Indies and Siam . . . . .	1,425,775	2,477,482	7,666,386	8,733,420
Germany . . . . .	940,783	1,350,040	6,375,048	7,318,134
Corea . . . . .	1,410,699	1,301,243	3,046,340	1,999,439
Hongkong . . . . .	13,288,540	15,688,875	6,985,723	8,268,071
Russia . . . . .	585,695	621,838	835,395	1,871,114
Switzerland . . . . .	159,584	227,141	713,650	669,301
Italy . . . . .	1,254,331	1,631,908	67,680	86,578
Austria . . . . .	341,932	322,120	10,265	24,209
Australia . . . . .	731,659	890,637	272,787	319,034
Holland . . . . .	19,550	140,683	17,600	32,619
Belgium . . . . .	50,125	226,284	951,537	935,001
Other countries, &c. . . . .	2,788,551	3,809,271	6,071,882	4,660,501
Total . . . . .	91,178,553	90,419,909	75,952,344	89,355,338

The recorded quantities and values are ascertained from shipping documents and invoices, the values in the case of exports being given as the market values in Japan, and of imports as the values in the countries of purchase, exclusive of the cost of transport, insurance, &c. The countries of origin and destination are those disclosed as such in the shipping documents.

The foreign commerce of Japan is carried on through the open ports of Yokohama, Kobé, Osaka, Nagasaki, Hakodate, Niigata, and 13 other ports. The following table shows the chief articles of the foreign commerce for 1892 and 1893:—

Exports	1892	1893	Imports	1892	1893
	Yen	Yen		Yen	Yen
Raw silk & cocoons, &c. . . . .	39,853,082	31,368,999	Cotton yarn . . . . .	7,131,980	7,284,243
Tea . . . . .	7,525,316	7,702,088	„ piece goods . . . . .	2,941,303	3,363,764
Rice . . . . .	4,162,732	5,002,708	Sugar . . . . .	9,604,350	11,564,419
Coal . . . . .	4,571,984	4,817,912	Calico . . . . .	1,727,186	2,315,124
Copper . . . . .	2,499,743	2,033,820	Wool and woollen goods . . . . .	5,620,637	6,386,188
Dried fish . . . . .	2,201,346	2,751,719	Leather . . . . .	1,199,383	1,099,787
Porcelain, lacquer, bronze, &c. . . . .	2,309,155	2,636,186	Metals . . . . .	5,015,110	6,816,420
Seaweed . . . . .	994,626	939,419	Glass . . . . .	264,430	467,525
Camphor . . . . .	1,274,753	1,308,611	Tobacco . . . . .	313,391	473,639
Mushrooms . . . . .	564,746	568,855	Petroleum . . . . .	3,328,398	4,401,041
Drugs & chemicals . . . . .	912,754	1,037,868	Drugs . . . . .	2,354,344	3,112,855
Vegetable wax . . . . .	285,567	383,766	Dyes and paint . . . . .	1,486,459	1,703,702
Wheat and other cereals . . . . .	104,082	89,052	Machinery, ships, &c. . . . .	2,997,999	5,510,227
Tobacco (leaf) . . . . .	95,820	65,768	Beverages and provisions . . . . .	6,203,193	8,472,263
Fish oil . . . . .	248,621	530,304	Other articles . . . . .	25,715,044	26,313,098
Fans . . . . .	341,567	458,869			
Silk textiles . . . . .	8,251,096	8,429,116			
Other articles . . . . .	14,283,544	19,531,939			
Total . . . . .	90,480,534	89,657,059	Total . . . . .	75,903,207	89,285,795
Exports of foreign produce . . . . .	698,019	762,850	Imports of home produce . . . . .	49,137	60,543
Grand total . . . . .	91,178,553	90,419,909	Grand total . . . . .	75,952,344	89,355,338

The exports of bullion and specie in 1893 amounted to 12,289,188 yen (1892 9,729,753 yen), and imports to 11,186,487 yen (1892, 22,883,757 yen).

The extent of trade with the United Kingdom, according to the Board of Trade Returns, is shown in the subjoined table for five years :—

	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Japan into U.K. .	977,606	1,024,993	1,112,585	804,003	1,046,598
Exports of British produce to Japan . . . . .	3,888,188	4,081,793	2,882,964	2,992,068	3,485,770

The staple articles of import from Japan into Great Britain in the year 1893 were raw silk and silk waste, of the value of 185,252*l.*; silk manufactures, 68,436*l.*; earthenware, 37,498*l.*; tobacco, 15,825*l.*; drugs, 55,467*l.*; copper, 73,942*l.*; rice, 173,816*l.* The staple articles of British export to Japan consist of cotton goods and yarn, of the value of 1,559,128*l.*; woollen fabrics, 430,747*l.*; iron, wrought and unwrought, 469,203*l.*; machinery, 406,538*l.*; chemicals, 135,285*l.* in the year 1893.

### Shipping and Navigation.

The following are the shipping statistics of the Japanese ports directly cleared to and entered from foreign countries for 1893 :—

	Cleared		Entered	
	No.	Tonnage	No.	Tonnage
Japanese steamships . . . . .	386	327,818	386	318,163
„ sailing ships . . . . .	664	24,264	616	23,757
Foreign steamships . . . . .	1,053	1,553,306	1,274	1,896,057
„ sailing ships . . . . .	145	87,193	154	97,363
Total . . . . .	2,248	1,992,581	2,430	2,335,340

Of the total foreign ships entered, 777 of 1,307,838 tons were British; 320 of 279,685 tons German; 97 of 119,914 tons American; 27 of 59,848 tons French; 104 of 92,767 tons Norwegian; 49 of 57,531 tons Russian; 7 of 2,859 tons Corean; 15 of 10,078 tons Dutch; 5 of 5,446 tons Chinese; 27 of 57,454 tons other countries. Of the total shipping 486 vessels of 601,997 tons entered Nagasaki; 258 of 424,008 tons Yokohama; 325 of 441,492 tons Kobé.

In 1892 the merchant navy of Japan consisted of 643 steamers of foreign type, of 102,332 tons; 778 sailing vessels of foreign type, of 45,944 tons; and 829 native craft above 50 tons, of 63,458 tons.

### Internal Communications.

There are 5,000 miles of State roads and 16,490 miles of provincial roads.

Railways are of two classes—(1) State railways; (2) railways owned by private companies, thirteen in number, four of them guaranteed a certain rate of interest by Government. The following table gives the railway statistics for 1892-93 :—

	State Railways, 1892-93	Railways owned by Private Companies, 1892-93
Length in miles . . . . .	550·61	1,319·38
Gross income, yen . . . . .	4,580,632	5,284,382
Expenditure, yen . . . . .	2,166,199	2,229,700
Goods carried, tons . . . . .	994,622	1,594,702
Passengers, number . . . . .	13,153,278	13,824,692

The following are both internal and international postal statistics for five fiscal years. The income, expenditure, and officers include those of the telegraph service :—

Years	Letters and Postcards	Newspapers Books, &c.	Samples, &c.	Parcels	Income	Expenditure	Officers
					Yen	Yen	
1893-94	254,573,715	62,360,231	421,243	734,615	—	—	—
1892-93	218,312,188	55,917,060	325,064	60,682 <sup>1</sup>	5,518,913	4,499,027	8,268
1891-92	191,559,069	54,351,861	298,345	—	5,049,360	4,119,621	7,149
1890-91	173,929,982	47,334,300	237,680	—	4,637,963	3,780,702	6,811
1889-90	157,508,268	32,065,000	112,321	—	3,859,232	3,379,090	6,554

<sup>1</sup> Six months.

All open ports and other important cities and towns are connected with each other and with Europe by lines of telegraph. In March, 1894, there were 9,053 miles of telegraph with 24,972 miles of wire, besides 269 miles of submarine cable, with 332 miles of wire. The number of telegrams carried was 6,497,328 in the fiscal year 1893-94. There were 716 offices in Japan.

In March, 1894, there were 403 miles of telephone (4,356 miles of wire), with 4 exchange offices, 24 calling offices, and 2,672 subscribers.

### Money and Credit.

The following table shows the amount of coinage issued in the fiscal years stated (ending 31st March) :—

—	1889-90	1890-91	1891-92	1892-93	1893-94
	Yen	Yen	Yen	Yen	Yen
Gold coins . . . . .	1,724,082	886,000	1,124,835	1,351,267	1,364,612
Silver „ . . . . .	7,226,416	8,448,617	8,815,781	12,141,928	13,177,375
Nickel „ . . . . .	2,100,000	1,667,226	500,125	500,000	726,000
Copper „ . . . . .	—	—	—	—	—
Total . . . . .	11,050,498	11,001,843	10,440,741	13,993,195	15,261,987

The total coinage issued from the mint from its foundation in 1870 up to 1894, exclusive of re-coinage, amounted to 223,272,611 yen.

The paper money in circulation consists of Treasury notes, Kokuritsu Ginko notes, or notes of the National banks, and Nippon Ginko (or Bank of Japan) notes, exchangeable for silver on presentation. The amount in circulation on 1st April, 1894, was 148,483,906 yen.

In 1892 the Nippon Ginko, or Bank of Japan, had a paid-up capital of 10,000,000 yen ; notes in circulation, 125,843,363 yen ; loans, 107,761,566 yen ; deposits, 276,991,508 yen. The Kokuritsu Ginko (133 head offices having 140 branches), paid-up capital, 48,325,600 yen ; notes in circulation, 23,754,965 yen ; deposits, 637,119,293 yen ; loans, 308,389,990 yen. The Shokin Ginko, or Specie Bank, paid-up capital, 4,500,000 yen ; loans, 34,202,551 yen ; deposits, 94,800,405 yen.

At the end of 1892 there were 270 private banks, with capital 22,856,177 yen. In 1892, 45,282 persons deposited 4,157,115 yen, and withdrew 2,424,462 yen during the year from the Kokuritsu Ginko, which does business also as savings banks. In the same year 1,155,506 persons deposited 34,299,699 yen and withdrew 11,473,639 yen during the year from the post-offices, which act as savings banks.

## Money, Weights, and Measures.

The money, weights, and measures in common use throughout Japan, and the British equivalents, are—

### MONEY.

The *Yen*, or *Dollar*, of 100 *sen*s, is of the nominal value of 4s. ; actual value about 3s. 4d.

Gold coins are 20, 10, 5, 2, and 1-yen pieces. The 5-yen gold piece weighs 8·3 grammes, about '900 fine, and contains 7·5 grammes of fine gold. The gold yen is the unit of account. Silver coins are the yen, and 50, 20, 10, and 5-sen pieces. The silver yen weighs 26·9564 grammes '900 fine, and thus contains 24·3737 grammes of fine silver.

*Trade dollars* are also coined weighing 27·2156 grammes, '900 fine, and thus containing 24·4940 grammes of fine silver.

The 5-sen piece is also coined in nickel. Copper coins are 2, 1, half, and tenth-sen pieces, the last, called the *rin*, being the smallest coin used.

Paper currency of various denominations, corresponding to the coins, is in general use, and is now at par with silver. Practically the standard of value is silver.

### WEIGHTS AND MEASURES.

The <i>Kin</i>	= 160 <i>mommé</i>	. . .	= 1·325 lb. avoirdupois.
„ <i>Kwan</i>	= 1,000 „	. . .	= 8·281 lbs. „
„ <i>Shaku</i>	. . . . .	. . .	= '994 foot.
„ <i>Sün</i>	. . . . .	. . .	= 1,193 inches.
„ <i>Ken</i>	= 6 <i>shaku</i>	. . . . .	= 5·965 feet.
„ <i>Chö</i>	= 60 <i>ken</i>	. . . . .	= $\frac{1}{16}$ mile, 5·4229 chains.
„ <i>Ri</i>	= 36 <i>chö</i>	. . . . .	= 2·44 miles.
„ <i>Ri</i> sq.	. . . . .	. . .	= 5·9552 sq. miles.
„ <i>Chö</i> , land measure	. . . . .	. . .	= 2·45 acres.
„ <i>Koku</i> , liquid	. . . . .	. . .	= 39·7033 gallons.
„ „ dry	. . . . .	. . .	= 4·9629 bushels.
„ <i>To</i> , liquid	. . . . .	. . .	= 3·9703 gallons.
„ „ dry	. . . . .	. . .	= 1·9703 peck.

It is stated to be the intention of the Government to introduce into Japan at an early period a new system of weights and measures, based on the metric system.

## Diplomatic Representatives.

### 1. OF JAPAN IN GREAT BRITAIN.

*Envoy and Minister*.—Viscount Aoki.

*Secretary*.—Yasuya Uchida.

*Naval Attaché*.—Captain Yendo.

### 2. OF GREAT BRITAIN IN JAPAN.

*Envoy, Minister Plenipotentiary, and Consul-General*.—Hon. P. le Poer Trench, appointed Envoy Extraordinary, Minister Plenipotentiary, and Consul-General, June 25, 1894.

*Secretary*.—Gerard A. Lowther.

*Japanese Secretary*.—J. H. Gubbins.

There are Consular Representatives at Hakodate Niigata, Hiogo, Osaka, Nagasaki, Tokio, and Yokohama.



## Statistical and other Books of Reference concerning Japan.

### 1. OFFICIAL PUBLICATIONS.

- Constitution of the Empire of Japan. Tokio, 1889.  
 General Outlines of Education in Japan. Tokio, 1884.  
*Grierson* (Capt. J. M.), The Armed Strength of Japan. London, 1886.  
 Foreign Office Reports. Annual Series and Miscellaneous Series. 8. London.  
 Reports of the various Government Departments. Annual. Tokio.  
 Résumé statistique de l'empire du Japon. Annual. Tokio.  
 Returns of the Foreign Commerce and Trade of Japan for the year 1893. Tokio, 1894.  
 Annual Statement of the Trade and Navigation of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

- Adams* (F. O.), History of Japan, from the earliest period to the present time. 2 vols. 8. London, 1875.  
*Alcock* (Sir Rutherford), The Capital of the Tycoon; a Narrative of a three years' Residence in Japan. 2 vols. 8. London, 1863.  
*Arnold* (Sir Edwin), Seas and Lands. 2 vols. London, 1891. Japonica: Essays on Japan. 8. London, 1892.  
*Batchelor* (John), The Ainu of Japan. 8. London, 1892.  
*Berkeley* (H.), Japanese Letters. 8. London, 1891.  
*Bickersteth* (M. J.), Japan as we saw it. 8. London, 1893.  
*Bird* (Miss J. L.), Unbeaten Tracks in Japan. 2 vols. London, 1880.  
*Caron*, Account of Japan (1635). In Vol. VII. of Pinkerton's Collection. 4. London, 1811.  
*Chamberlaine* (B. H.), Things Japanese, 2nd ed. 8. London, 1892.  
*Dixon* (W. G.), The Land of the Morning. Edinburgh, 1882. Gleanings from Japan. 8. Edinburgh, 1889.  
*Heine* (W.), Japan: Beiträge zur Kenntniss des Landes und seiner Bewohner. Fol. Leipzig, 1873.  
*Landor* (A. H. Savage), Alone with the Hairy Ainu. London, 1893.  
*Lane-Poole* (Stanley), Life of Sir Harry Parkes, K.C.B. 2 vols. 8. London, 1894.  
*Layrle* (J.), La Restauration impériale au Japon. 8. Paris, 1893.  
*Leupe* (P. A.), Reise van Maarten Gerritz-Uries in 1643 naar het noorden en oosten van Japan. 8. Amsterdam, 1858.  
*Metchnikoff* (L.), Empire Japonais. Geneva, 1881.  
*Murray's* Handbook for Japan. 8. London.  
*Murray* (D.), Japan, in "Story of the Nations" Series. 8. London, 1894  
*Norman* (H.), The Real Japan. London, 1892.  
*Reclus* (Elisée), Géographie universelle. Vol. VII. L'Asie orientale. Paris, 1882.  
*Reed* (Sir E. J.), Japan: its History, Traditions, and Religions, with the Narrative of a Visit in 1879. 2 vols. London, 1880.  
*Rein* (Dr. J.), Japan nach Reisen und Studien. Vol. I. 1880. Vol. II. 1886.  
*Satow* (E. M.) Handbook for Travellers in Japan. 3d. ed. 8. London, 1891.  
*Siebold* (Ph. Franz von), Nippon: Archiv zur Beschreibung von Japan. 8. Leyden, 1834-37.  
*Sladen* (D. B. W.), The Japs at Home. 8. London, 1892.  
*Taylor* (B.), Japan in our Day. 8. New York, 1871.  
*Titsingh* (Isaac), Nipon o dai itsi ran, ou annales des empereurs du Japon. Ouvr. corr. sur l'original japonais-chinois par M. J. Klaproth. 4. Paris, 1834.  
*Usile* (J.), A travers-le Japon. Paris, 1893.  
*Wüllerstorff-Urbair* (Baron von), Reise der oesterreichischen Fregatte *Novara* um die Erde in den Jahren 1857, 1858, 1859. Beschreibender Theil von Dr. Karl v. Scherzer. 2 vols. 8. Vienna, 1865.  
*Younghusband* (G. J.), On Short Leave to Japan. 8. London, 1894.

## LIBERIA.

(UNITED STATES OF LIBERIA.)

### Constitution and Government.

THE Constitution of the Republic of Liberia is on the model of that of the United States of America. The executive is vested in a President, and the legislative power in a parliament of two houses, called the Senate and the House of Representatives. The President and the House of Representatives are elected for two years, and the Senate for four years. There are 13 members of the Lower House, and 8 of the Upper House. The President must be thirty-five years of age, and have real property to the value of 600 dollars, or 120*l.*

*President of Liberia.*—Joseph James Cheeseman.

The President is assisted in his executive function by five ministers—the Secretary of State, the Secretary of the Treasury, the Secretary of the Interior, the Attorney-General, and the Postmaster-General.

### Area and Population.

Liberia has about 500 miles of coast line, and extends back 200 miles on an average, with an area of about 14,360 square miles. The total population is estimated to number 1,068,000, all of the African race, and of which number 18,000 are Americo-Liberians, and the remaining 1,050,000 aboriginal inhabitants. Monrovia, the capital, has an estimated population (1891) of 5,000. Other towns are Robertsport, 1,200; Buchnam and Edma, 5,000; and Harper, 3,000, with suburbs, 8,550.

For defence every citizen from 16 to 50 years of age capable of bearing arms is liable to serve, and in 1892 a small steel gunboat of 150 tons, armed with 4 Nordenfeldt quick-firing guns, was built for the Republic.

### Finance.

For 1883 the revenue was officially returned at 34,802*l.*, and expenditure at 31,493*l.*; for 1884, revenue 38,000*l.*, expenditure 32,500*l.*; and for 1885, revenue 40,000*l.*, and expenditure 32,500*l.* For 1888 the revenue was estimated at 35,000*l.*, and expenditure 33,000*l.* The principal part of the revenue is derived from customs duties, while the expenditure embraces chiefly the cost of the general administration. A debt of £100,000 at 7 per cent. was contracted in 1871; of this the interest, unpaid since August, 1874, amounts to £133,000.

### Commerce.

The principal exports are coffee, palm oil, palm nuts, cocoa, sugar, arrow-root, ivory, hides. The exports and imports combined probably do not exceed 500,000*l.* The quantity of coffee exported in 1889 reached one million pounds, one half of which went to Germany.

There are no statistics regarding the extent of the commercial relations of the Republic with the United Kingdom, the 'Annual Statement of Trade' issued by the Board of Trade not mentioning Liberia, but only 'Western Coast of Africa' (excluding the British and other colonies, but including, prior to 1891, the Congo Free State and the Niger Protectorate). The value of the trade thus indicated was as follows in five years:—

—	1889	1890	1891	1892	189
	£	£	£	£	£
Imports into U.K. from W. Africa .	908,545	971,051	411,043	338,718	277,847
Exports of British produce to W. Africa . .	769,737	971,259	339,270	221,793	214,911

The chief articles of import from Western Africa to Great Britain in 1893 were palm oil of the value of 68,362*l.*; nuts, 17,330*l.*; caoutchouc, 93,810*l.*; ivory, 29,693*l.* The British exports to Western Africa consist mainly of cotton manufactures, of the value of 108,192*l.* in 1893.

### Money, Weights, and Measures.

The money chiefly used is that of Great Britain, but accounts are kept generally in American dollars and cents. There is a large paper currency. Gold is bought and sold by *Usanos*, 314·76 English troy grain, each of 16 *Akis*.

Weights and measures are mostly British. In the trade with the interior of Africa, the *Ardeb* is the chief measure of capacity for dry goods. The *Gondar Ardeb* contains 10 Madegas, or 120 Uckieh, or 1,440 Dirhems, and is equal to 7·7473 British imperial pints. The *Kuba* is the chief liquid measure; it is equal to 1·7887 British imperial pint.

### Diplomatic and Consular Representatives.

#### 1. OF LIBERIA IN GREAT BRITAIN.

*Envoy and Minister*.—Edward Wilmot Blyden, accredited May 14, 1892.

*Consul-General*.—Henry Hayman.

There are Consuls in London, Birmingham, Cardiff, Glasgow, Hull, Liverpool, Manchester, Newcastle, Plymouth, Portsmouth, Sheffield, Southampton, Swansea.

#### 2. OF GREAT BRITAIN IN LIBERIA.

*Consul*.—Sir Francis Fleming, K.C.M.G., Governor of Sierra Leone.

*Vice-Consul at Monrovia*.—Dr. C. Stedman.

### Statistical and other Books of Reference concerning Liberia.

#### 1. OFFICIAL PUBLICATION.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

- Blyden* (E. W.), Christianity, Islam, and the Negro Race. London, 1887.  
*Böttikofer* (J.), Liberia. Amsterdam, 1890.  
 Die Negerrepublik Liberia, in 'Unsere Zeit,' Vol. III. 8. Leipzig, 1858.  
*Hutchinson* (E.), Impressions of Western Africa. 8. London, 1858.  
*Johnston* (Keith), Africa. London, 1882.  
*Ritter* (Karl), Begründung und gegenwärtige Zustände der Republic Liberia, in 'Zeitschrift für allgemeine Erdkunde,' Vol. I. 8. Leipzig, 1853.  
*Schwarz* (Dr. B.), Einiges über das interne Leben der Eingebornen Liberias, 'Deutsche Kolonialzeitung,' Dec. 15, 1887. Berlin.  
*Stockwell* (G. S.), The Republic of Liberia: its Geography, Climate, Soil, and Productions. With a history of its early settlement. 12. New York, 1868.  
*Wauwermans* (Colonel H.), Liberia, histoire de la fondation d'un état nègre libre. Brussels, 1885.  
*Wilson* (J.), Western Africa. 8. London, 1856.

## LUXEMBURG.

**Reigning Grand-duke.**—**Adolf**, Duke of Nassau, born July 24, 1817, married, April 23, 1851, to Adelaide, Princess of Anhalt; succeeded November 23, 1890, on the death of King Willem III. of the Netherlands, who was also Grand-duke of Luxemburg. *Offspring.*—I. Prince *Wilhelm*, born April 22, 1852; married June 21, 1893, to Marie Anne, daughter of Miguel, Duke of Braganza; issue Princess *Marie*, born June 14, 1894. II. Princess *Hilda*, born November 5, 1864; married September 20, 1885, to Frederick, son of the Grand Duke of Baden.

The Grand Duchy of Luxemburg was included from 1815 to 1866 in the dissolved Germanic Confederation.

There is a Chamber of Deputies in the Grand Duchy of 45 members, elected directly by the cantons for six years, the half renewed every three years. By the Treaty of London, 1867, Luxemburg is declared neutral territory. It has an area of 998 square miles, and a population (Dec. 1, 1890) of 211,088 (105,419 males and 105,669 females), or 212 inhabitants to the square mile. The population is Catholic, save 1,058 Protestants, 1,009 Jews, and 100 belonging to other sects. The chief town, Luxemburg, has 18,187 inhabitants. The revenue for 1892 was 10,570,826 francs, and expenditure 8,820,741 francs. In the budget estimates for 1894 the revenue is set down at 8,877,061 francs, and the expenditure at 8,436,812 francs. The debt consists of loans, mainly for the construction of railways, amounting to 14,500,000 francs, now at 3½ per cent., and a new loan of 12,000,000 francs. For commercial purposes Luxemburg is included in the German Zollverein. There are 270 miles of railway, 974 miles of telegraph wire, and 80 post-offices in the Grand Duchy.

## Books of Reference.

- Coster* (J.), Geschichte der Festung Luxemburg. 8. Luxemburg, 1869.  
*Groevig* (N.), Luxemburg: Land und Volk. 4. Luxemburg, 1867.  
*Perk* (M. A.), Luxemburgiana. [In Dutch]. 8. Bussum, 1892.

## MEXICO.

(REPÚBLICA MEXICANA.)

### Constitution and Government.

THE present Constitution of Mexico bears date February 5, 1857, with subsequent modifications down to October 1887. By its terms Mexico is declared a federative republic, divided into States—19 at the outset, but at present 27 in number, with 2 territories and the Federal District—each of which has a right to manage its own local affairs, while the whole are bound together in one body politic by fundamental and constitutional laws. The powers of the supreme Government are divided into three branches, the legislative, executive, and judicial. The legislative power is vested in a Congress consisting of a House of Representatives and a Senate, and the executive in a President. Representatives elected by the suffrage of all respectable male adults, at the rate of one member for 40,000 inhabitants, hold their places for two years. The qualifications requisite are, to be twenty-five years of age, and a resident in the State. The Senate consists of fifty-six members, two for each State, of at least thirty years of age, who are returned in the same manner as the deputies. The members of both Houses receive salaries of 3,000 dollars a year. The President is elected by electors popularly chosen in a general election, holds office for four years, and, according to an amendment of the Constitution in 1887, may be elected for two consecutive terms of four years each. In the event of a vacancy in the presidency otherwise than by lapse of time, the succession is vested in the President and Vice-President of the Senate and in the Chairman of the Standing Committee of Congress successively. Congress has to meet annually from April 1 to May 30, and from September 16 to December 15, and a permanent committee of both Houses sits during the recesses.

*President of the Republic.*—General D. Porfirio *Diaz*; first elected in 1876; present term, December 1, 1892, to November 30, 1896.

The administration is carried on, under the direction of the President and a Council, by seven Secretaries of State, heads of the Departments of Foreign Affairs, War and Marine, Finance and Public Credit, Fomento, Colonisation and Industry, Government Justice and Public Instruction, and Communications and Public Works.

## LOCAL GOVERNMENT.

Each separate State has its own internal constitution, government, and laws. Each has its governor and legislature popularly elected under rules similar to those of the Federation; and the civil and criminal code in force in the Federal District prevail, with few exceptions (Vera Cruz and the State of Mexico), in the different States.

## Area and Population.

The following table gives the census population for 1879, and an official estimate of the area and of the population in 1893:—

Name of State	Area, in square miles	Census Population, 1879	Estimated Population, 1893	Population per square mile, 1893
<b>Atlantic States:—</b>				
Tamaulipas . . . . .	32,128	140,137	167,777	5·2
Vera Cruz . . . . .	29,201	542,918	723,732	24·7
Tabasco . . . . .	10,072	104,747	114,028	11·3
Campeche . . . . .	18,087	90,413	93,976	5·2
Yucatan . . . . .	35,203	302,315	329,621	9·3
<b>Total . . . . .</b>	<b>124,692</b>	<b>1,180,530</b>	<b>1,429,134</b>	<b>11·5</b>
<b>Inland States:—</b>				
Chihuahua . . . . .	87,802	225,541	298,073	3·4
Coahuila . . . . .	63,569	130,026	177,793	2·8
Nuevo Leon . . . . .	23,592	203,284	293,793	12·4
Durango . . . . .	38,009	190,846	265,931	7·0
Zacatecas . . . . .	24,757	422,506	526,966	21·2
San Luis Potosi . . . . .	25,316	516,486	546,447	21·5
Aguascalientes . . . . .	2,950	140,430	140,180	47·5
Guanajuato . . . . .	11,370	834,845	1,007,116	88·6
Querétaro . . . . .	3,556	203,250	213,525	60·0
Hidalgo . . . . .	8,917	427,350	506,028	56·7
Mexico . . . . .	9,247	710,579	826,165	89·3
Federal District . . . . .	463	351,804	575,747	1243·5
Morelos . . . . .	2,773	159,160	151,540	54·6
Tlaxcala . . . . .	1,595	138,988	149,808	93·8
Puebla . . . . .	12,204	784,466	839,125	68·7
<b>Total . . . . .</b>	<b>316,125</b>	<b>5,439,561</b>	<b>6,518,237</b>	<b>20·6</b>
<b>Pacific States:—</b>				
Lower California (Ter.)	58,328	30,208	34,668	0·6
Sonora . . . . .	76,900	115,424	150,391	1·9
Sinaloa . . . . .	33,671	186,491	223,684	6·6
Tepec (Ter.) . . . . .	11,275	—	131,019	11·6
Jalisco . . . . .	31,846	983,484	1,250,000	39·2
Colima . . . . .	2,272	65,827	72,591	31·9

Name of State	Area, in square miles	Census Population, 1873	Estimated Population, 1893	Population per square mile, 1893
<i>Pacific States :—contd.</i>				
Michoacan . . . .	22,874	661,534	830,000	36·3
Guerrero . . . .	24,996	295,590	353,193	14·1
Oaxaca . . . .	35,382	744,000	793,419	22·4
Chiapas . . . .	27,222	205,362	269,710	9·9
Total . . . .	324,768	3,287,920	4,108,675	12·6
Islands . . . .	1,420	—	—	—
Grand Total . .	767,005	9,908,011	12,056,046	15·6

In 1874 the population was returned at 9,343,470 ; in 1882 there were 5,072,054 males, 5,375,930 females. In 1894 the population was estimated at 12,080,725. Of the total population 19 per cent. are of pure, or nearly pure, white race, 43 per cent. of mixed race, and 38 per cent. of Indian race. The Indians are stated to be rapidly decreasing ; forming, it was stated, in 1874, one-half the population, in 1882 they were returned at 3,765,044. Distinctions of race are abolished by the Constitution of 1824. Of the mixed and Indian race only a very small proportion can be regarded as civilised.

The chief cities are the capital, Mexico, with a population (estimated 1893) of 329,535 ; Guadalajara, 95,000 ; Puebla, 110,000 ; San Luis Potosi, 62,573 ; Guanajuato, 52,112 ; Leon, 47,739 ; Monterey, 52,000 ; Aguascalientes, 32,355 ; Merida, 32,000 ; Vera Cruz, 29,000 ; Oaxaca, 27,856 ; Morelia, 30,000 ; Colima, 25,124 ; Pachuca, 40,500 ; Jalapa, 18,000.

There are many difficulties in the way of successful colonisation, and a large proportion of immigrants in recent years have left the country. In 1890 the number of foreigners resident in the capital was 7,215.

### Religion and Instruction.

The prevailing religion is the Roman Catholic, but the Church is independent of the State, and there is toleration of all other religions. In 1889 there were 10,112 Roman Catholic churches and chapels and 119 Protestant churches in the Republic. No ecclesiastical body can acquire landed property. On August 12, 1890, there were in the municipality of Mexico 320,143 Catholics and 2,623 Protestants.

In almost all the States education is free and compulsory, but the law has not been strictly enforced. In the municipality of Mexico there were in 1890, 15,268 persons who could read only, and 176,692 persons who could neither read nor write. Primary instruction is mostly at the expense of the municipalities, but the Federal Government makes frequent grants, and many schools are under the care of beneficent societies. In 1892 there were 7,132 Government and municipal schools, with 431,177 pupils. Higher education is carried on in secondary schools and seminaries, and in colleges for professional instruction, including schools of law, medicine, engineering, mining, fine arts, agriculture, commerce, arts and trades, music. In 1892 there were 68 secondary and professional schools. There are also one military and two naval colleges. The number attending these higher schools is stated at 21,000. The entire sum spent on education is given (1892) at 3,333,192

dollars, contributed by the Federal Government, the municipality of Mexico, and the State Governments and municipalities.

In 1892 there were in the Republic the National Library, with 159,000 volumes, and 15 other libraries with over 10,000 volumes each. There were in that year 22 museums for scientific and educational purposes, and 3 meteorological observatories. The number of newspapers published was 307, of which 4 were in English, 2 in French, and 1 in German.

### Justice.

The federal courts are the Supreme Court (of which the judges are chosen for a period of six years), and the circuit and district courts.

### State Finance.

Of the revenue in recent years about 58 per cent. has been derived from customs, 35 per cent. from internal taxation, and 7 per cent. from other sources. Of the expenditure about 44 per cent. has gone to the administration of the government, over 46 per cent. to the service of the debt, and nearly 10 per cent. to railway subventions.

The revenue and expenditure for six years (estimates for the last three years) have been :—

	REVENUE	EXPENDITURE
	Dollars	Dollars
1889-90 . . . . .	38,586,601 . . . . .	79,331,566
1890-91 . . . . .	37,391,805 . . . . .	64,074,724
1891-92 . . . . .	41,550,000 . . . . .	38,377,365
1892-93 . . . . .	40,870,000 . . . . .	40,367,047
1893-94 . . . . .	40,060,000 . . . . .	41,076,260
1894-95 . . . . .	43,600,000 . . . . .	45,610,280

The following are the budget estimates of revenue and expenditure for the year ending June 30, 1896 :—

REVENUE		EXPENDITURE	
	Dollars		Dollars
Export duties . . . . .	2,475,000	Legislative power . . . . .	1,005,638
Stamps . . . . .	15,624,000	Executive „ . . . . .	50,977
Tolls . . . . .	1,650,000	Judicial „ . . . . .	478,171
Direct taxes . . . . .	1,460,000	Foreign Affairs . . . . .	493,994
Posts and Telegraphs . . . . .	1,775,000	Home Department . . . . .	2,607,391
Mint . . . . .	1,100,000	Justice and Education . . . . .	1,552,828
Various . . . . .	3,533,000	Public Works . . . . .	616,170
Import duties . . . . .	17,330,522	Finance . . . . .	23,268,380
		War and Navy . . . . .	10,268,334
		Posts and Telegraphs . . . . .	4,605,639
	44,947,522		44,947,522

The capital and cost of the public debt on June 30, 1893, were as follows :—debt free of interest, 23,653,302 dollars ; debt of which the interest



is payable in Mexico, 62,180,441 dollars; debt of which the interest is payable in London, 95,776,500 dollars; total debt, 181,610,243; cost in Mexico, 2,990,428 dollars; cost in London (including exchange), 10,346,696 dollars; total annual cost, 13,337,124 dollars. The total debt (exclusive of deferred debt) on June 30, 1893, was as follows:—

	Dollars.
External debt, £16,500,000 (at par =)	82,276,500
Internal Debt:	
Consolidated 3 per cent.	32,413,775
Railway Bonds	25,093,700
Railway Debts	16,210,427
Other Debts	25,615,841
	-----
Total internal	99,333,743
Total Debt	181,610,243

On September, 30, 1893, at the current rate of exchange, the total debt stood at £25,000,000 sterling.

The capital of the debt is about 15 dollars, and its cost about 1 dollar per head of the population.

The fiscal value of property in Mexico in 1891 is given as follows:—Urban, 260,552,200 dollars; rural, 237,312,996 dollars; total, 497,865,196 dollars; the fiscal value being taken as one-third less than the actual value.

### Local Finance.

The revenues of the State Governments and of the municipalities of Mexico have been as follows:—

Years	States.	Municipalities.
	Dollars	Dollars.
1881	8,839,955	7,064,168
1882	9,885,787	7,715,456
1889	15,324,100	12,780,267
1890	16,174,322	13,367,761

Of the City of Mexico in the years 1891 and 1892 the revenue was 3,252,812 dollars, and 3,195,436 dollars; the expenditure being the same.

### Defence.

The army consists (1894) of infantry, 23,725; cavalry, 11,069; artillery and train, 2,304; total, 37,103. There are 2,270 officers. Included in the cavalry are 250 gendarmes, and 2,365 rural guards. The total fighting strength, including reserves, is stated to be 132,000 infantry, 25,000 dragoons, and 8,000 artillery. Every Mexican capable of carrying arms is liable for military service from his twentieth to his fiftieth year. There is a fleet of 2 despatch vessels (launched 1875) and 2 unarmoured gun-vessels (launched 1874), each

of 425 tons and 425 horse-power, and severally armed with a 4-ton muzzle-loading gun, and 4 small breech-loaders. A steel training ship, the *Zaragoza* (1,200 tons), was built at Havre in 1891, and 5 first-class torpedo-boats have been ordered in England. The fleet is manned by about 90 officers and 500 men.

## Production and Industry

Mexico has been estimated to contain 479 square leagues of forest, 18,134 square leagues of mountain-land, and 4,822 square leagues of uncultivated land. The climate and soil are fitted for very varied produce, but, as regards crops usually grown in cold countries, agriculture is in Mexico in a very primitive condition. Provision is made for the sale and occupation of public lands by a law of July 22, 1863. The demarcation of such lands is carried out by public companies, the third part of the area demarcated being ceded to them for expenses incurred. Though there has recently been considerable speculation in land, few purchases have been made for actual occupation. In 1892 there were 25 colonies, consisting of 1,266 families, and a population of 10,985. Government has assisted in introducing plants of vines, olives, and other fruit trees, while seeds of vegetables and of silkworms have been distributed gratuitously. The chief agricultural products are rice, maize, barley, wheat, beans. The cultivation of cocoa, coffee, and tobacco is extending. In 1892, 8,315 tons of coffee were exported from Vera Cruz, in 1893, 15,058 tons; and in 1893, 342 tons of manufactured and 1,000 tons of raw tobacco. Henequen is grown chiefly in Yucatan. The fibre exported in 1893 amounted to 126,152,000 lbs. From the area recently planted it is calculated that the production will increase by over 20,000 bales annually till 1895. Other products are cotton, sugar-cane, vanilla. Large numbers of cattle are reared in Mexico for the United States. In 1883, in Northern Mexico alone, on an area of 300,000 square miles, there were 1,500,000 cattle, 2,500,000 goats, 1,000,000 horses, and 1,000,000 sheep. In the whole of Mexico in 1883 there were 20,574 cattle ranches, valued at 103,000,000.

Mexico is rich in minerals, gold, silver, lead, iron, copper, quicksilver, tin, cobalt, antimony, sulphur, coal, petroleum, being either worked or known to exist. There are in the country (April 1, 1894) 3,167 mining enterprises, of which two-thirds belong to Mexican companies or individuals, and the rest to foreigners. The total export of metals in the twelve years ended June 30, 1892, amounted to \$401,096,632, of which \$10,123,924 was for gold coin and bullion (including \$745,047 foreign gold coin), and \$323,520,728 for silver coin and bullion (including \$1,847,137 foreign silver coin). The silver ore exported in those years was valued at \$48,720,592, lead \$6,399,532, copper \$4,105,116. In 1893 the production of gold was 1,964 kilogrammes, value \$1,326,564; of silver 1,380,116 kilogrammes, value \$56,467,431. There are eleven mints in Mexico, and every producer is free to have his bullion coined, the mints receiving 4·62 per cent. for gold, and 4·41 per cent. for silver. Mining operations, whether for gold and silver, or other metals, as lead, copper, tin, zinc, are carried on under the provisions of the mining law, which came into force July 1, 1892. Between July 1, 1892, and March 31, 1894, there were 5,396 applications for concessions, embracing an area of 36,937 hectares. In the years 1886-92 the registered capital of companies—railway, land, mining, &c.—for operations in Mexico amounted to £53,214,827.

In 1893 there were in Mexico 2,378 factories for sugar and brandy ; 110 for textiles ; 35 for tobacco ; the total number of factories being 3,093 ; there were also 7 paper mills and 2 earthenware factories.

**Commerce.**

The following table shows the total imports and exports and the proportion of precious metals and other produce in the exports of Mexico during the last five years :—

Years	Total Imports	Exports		
		Merchandise	Precious Metals	Total
	Dollars	Dollars	Dollars	Dollars
1889-90	52,018,659	23,878,098	38,621,290	62,499,388
1890-91	—	27,020,023	36,256,372	63,276,395
1891-92	—	26,330,411	49,137,304	75,467,715
1892-93	43,413,131	30,948,794	56,499,005	87,447,799
1893-94	30,287,489	32,858,927	46,484,360	79,343,287

The trade of Mexico, including precious metals, is chiefly with the following countries :—

Countries	Imports from		Exports to	
	1892-93	1893-94	1892-93	1893-94
	Dollars	Dollars	Dollars	Dollars
United States .	26,235,963	14,351,785	63,791,741	60,660,243
Great Britain .	5,680,990	5,754,523	14,767,736	11,595,518
France . . .	4,781,025	4,359,393	3,736,198	2,436,895
Germany . . .	2,874,801	2,685,707	3,322,700	2,838,675
Spain . . . .	2,211,743	1,948,929	417,450	553,531
Other countries.	1,628,409	1,187,252	1,573,374	1,258,425

The following table shows the value of the principal articles exported in the last two years :—

—	1892-93	1893-94	—	1892-93	1893-94
	Dollars	Dollars		Dollars	Dollars
Henequen .	8,889,845	6,712,733	Lead(argent)	7,402,641	9,927,324
Coffee . . .	8,727,119	11,766,091	Copper . . .	2,265,881	1,979,728
Hides . . . .	2,067,239	1,956,460	Wood . . . .	1,673,738	2,073,907
Gum . . . . .	705,169	803,057	Silver Ore . .	10,940,750	9,023,596
Tobacco . . .	1,459,830	1,755,314	Silver . . . .	8,126,593	7,881,597
Vanilla . . .	967,815	1,183,722	Silver Coin	27,170,865	17,386,338
Ixtle . . . . .	583,886	458,454			

The subjoined table shows the value of the trade between Mexico and the United Kingdom in each of the last five years, according to the Board of Trade returns :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U.K. from Mexico	465,994	542,979	493,453	454,070	584,235
Exports of British produce to Mexico	1,512,756	1,906,317	1,695,774	1,298,293	1,152,847

The principal articles of import from Mexico into the United Kingdom in the year 1893 were mahogany, of the value of 142,735*l.* ; silver ore, 226,280*l.* ; hemp and other vegetable substances, 15,419*l.* ; coffee, 18,497*l.* The chief exports from Great Britain to Mexico were : cottons, of the value of 481,349*l.* ; linens, of the value of 46,808*l.* ; iron, wrought and unwrought, of the value of 118,420*l.* ; machinery, 124,058*l.* ; and woollens, 73,970*l.*

### Shipping and Communications.

The mercantile marine of Mexico in 1894 of vessels over 100 tons comprised 14 steamers of 4,006 tons gross tonnage, and 15 sailing vessels of 3,071 tons net tonnage. The shipping includes also many small vessels engaged in the coasting trade. In 1892-93, in the foreign trade, 1,494 vessels of 1,610,050 tons entered, and 1,471 vessels of 1,582,793 tons cleared the ports of Mexico. In the coasting trade 7,685 of 1,444,728 tons entered and 7,768 of 1,453,570 tons cleared.

In 1894 there were 6,900 miles of railway. The capital invested up to 1891 by English companies was 14,601,380*l.*, and by American companies 245,126,249 U.S. dollars. In 1892 21,700,000 passengers, and 3,100,000 tons of goods were conveyed, the gross proceeds being 23,600,000 dollars.

The total length of telegraph lines in 1893 was 37,880 English miles, of which 24,840 miles belonged to the Federal Government, the remainder belonging, in about equal parts, to the States, companies, and the railways. There were in all about 800 offices. The telephone had a network of 5,186 miles.

In 1892 there were 1,394 post-offices. The post, inland and international, carried in 1892 127,305,546 letters, and postcards. The receipts (1892-93) were 1,118,000 dollars, expenditure 1,170,000 dollars.

### Money and Credit.

There are 11 mints in the Republic, coining on an average \$25,000,000 annually. Most of the silver exported is shipped in the shape of dollars, which find their way chiefly to China and the smaller communities in Indo-China and the Eastern Archipelago.

The following table shows the coinage by Mexican mints for ten years :—

Years	Silver	Gold	Copper	Total
	Dollars	Dollars	Dollars	Dollars
1884-85	25,840,727	423,250	—	26,263,977
1885-86	26,991,804	367,490	8,500	27,367,794
1886-87	26,844,031	398,647	191,296	27,433,974
1887-88	25,862,977	316,818	85,000	26,264,795
1888-89	26,031,252	334,972	129,844	26,496,068
1889-90	24,323,506	243,298	134,632	24,701,436
1890-91	24,237,449	308,083	218,869	24,704,402
1891-92	25,527,018	291,940	156,694	25,975,652
1892-93	27,132,376	361,672	74,460	27,568,508
1893-94	30,185,611	553,978	—	30,739,589

There are 10 banks in Mexico. The situation of the three most important of them was as follows on October 31, 1894 :—

—	Banco Nacional	Banco Hipotecano	Banco de Londres
	Dollars	Dollars	Dollars
<b>Assets</b>			
Capital not paid up . . . . .	12,000,000	1,500,000	—
Cash . . . . .	19,492,739	942,264	7,378,171
Notes . . . . .	11,910,585	1,467,444	8,617,576
Advances . . . . .	4,811,137	2,860,618	—
Debts . . . . .	11,982,478	1,707,128	6,890,879
Property . . . . .	200,000	107,800	110,352
<b>Total . . . . .</b>	<b>60,396,939</b>	<b>8,585,254</b>	<b>23,026,978</b>
<b>Liabilities</b>			
Capital . . . . .	20,000,000	5,000,000	3,000,000
Notes in circulation . . . . .	16,726,933	—	9,177,885
Bonds . . . . .	—	1,972,000	—
Debts . . . . .	19,373,905	1,578,754	9,749,093
Reserve fund . . . . .	4,296,100	34,500	1,100,000
<b>Total . . . . .</b>	<b>60,396,938</b>	<b>8,585,254</b>	<b>23,026,978</b>

Concessions have been granted to a number of new banks in several of the States for the purpose of advancing loans for agricultural and mining purposes.

### Money, Weights, and Measures.

The silver *peso* or dollar of 100 *centavos* is of the nominal value of 4s.; actual value variable.

The 10-peso gold piece weighs 27·0643 grammes, ·875 fine, and thus contains 23·6813 grammes of fine gold.

The silver *peso* weighs 27·073 grammes, ·902 fine, and thus contains 24·419 grammes of fine silver.

The standard of value is silver. There is no paper currency except ordinary bank notes.

The weights and measures of the metric system were introduced in

1884 ; but the old Spanish measures are still in use. The principal ones are these :—

*Weight.* 1 libra = 0·46 kilogramme = 1·014 lb. avoirdupois.  
1 arroba = 25 libras = 25·357 lbs. avoirdupois.

*For gold and silver :—*

1 marco =  $\frac{1}{2}$  libra = 4,608 granos.

1 ochava = 6 tomines.

1 tomin = 12 granos.

20 granos = 1 French gramme.

*Length.* 1 vara = 0·837 mètre = 2 ft. 8 $\frac{9}{10}$  English in.

1 legua comun = 6,666 $\frac{2}{3}$  varas.

## Diplomatic and Consular Representatives.

### 1. OF MEXICO IN GREAT BRITAIN.

*Envoy and Minister.*—Don Manuel de Yturbe.

*Secretaries.*—Cayetano Romero, L. F. Rivas.

*Attaché.*—V. G. Farias.

*Consul-General in London.*—C. Romero.

There are Consular representatives at Cardiff, Dublin, Glasgow, Great Grimsby, Liverpool, Manchester, Newport, Southampton, Gibraltar, Hongkong.

### 2. OF GREAT BRITAIN IN MEXICO.

*Envoy and Minister.*—Henry Nevill Dering, appointed July 8, 1894.

*Secretary.*—Francis W. Stronge.

There are Consular representatives in Mexico City and Vera Cruz, and Vice-Consuls at Campechey, Frontera, Laguna de Terminos, Mazatlan, Progreso, San Blas, Tuxpan, Tehuantepec, Tampico, and Tonola.

## Statistical and other Books of Reference concerning Mexico.

### 1. OFFICIAL PUBLICATIONS.

- Anales del ministerio de fomento, colonizacion, industria y comercio. 8. Mexico, 1894.  
Boletin del ministerio de fomento de la República Mexicana. Fol. Mexico, 1894.  
Boletin semestral de la estadística de la República Mexicana, á cargo del Dr. Antonio Peñafiel. Mexico, 1894.  
Comercio exterior de Mexico. Fol. Mexico, 1894.  
Cuadro geografico, estadístico descriptivo é historico de los Estados Unidos Mexicanos.  
A. G. Cubas. Mexico, 1889.  
Datos mercantiles. Mexico, 1893.  
Estadística general de la República Mexicana. Mexico, 1894.  
Importaciones, 1889-90. Mexico, 1893.  
Memoria del Secretario del despacho de Hacienda. Fol. Mexico, 1894.  
Foreign Office Reports, Annual Series and Miscellaneous Series. 8. London.  
Statistique descriptive et historique des Etats Mexicains de Garcia Cubas. 1889.  
Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. 4. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

- Boletin de la sociedad de geografia y estadistica de la República Mexicana. 8. Mexico, 1878-93.
- Bancroft* (H. H.) A Popular History of the Mexican People. 8. London.
- Brocklehurst* (T. U.), Mexico To-day. London, 1883.
- Burke* (U. R.), Life of Benito Juarez. 8. London, 1894.
- Castro* (Lorenzo), The Republic of Mexico in 1882. New York, 1882.
- Charnay* (D.) Ancient Cities of the New World. Tr. 8. London.
- Chevalier* (Michel), Le Mexique ancien et moderne. 18. Paris, 1886.
- Conkling* (Howard), Mexico and the Mexicans. New York, 1883.
- Conkling* (A. R.), Appleton's Guide to Mexico. New York, 1890.
- El economista Mexicano, weekly. Mexico.
- Flint* (H. M.), Mexico under Maximilian. 12. Philadelphia, 1867.
- Gooch* (F. C.), Face to Face with the Mexicans. London, 1890.
- Griffin* (S. B.), Mexico of To-day. New York, 1886.
- Hamilton* (L. L. C.), Hamilton's Mexican Handbook. London, 1884.
- Kozhevar* (E.), Report on the Republic of Mexico. London, 1886.
- La Bédollière* (Émile G. de), Histoire de la guerre du Mexique. 4. Paris, 1866.
- Ober* (F. A.), Travels in Mexico. Boston, U.S., 1884.
- Prescott* (W. H.), History of the Conquest of Mexico. 8. London.
- Ratzel* (Fried.), Aus Mexico, Reiseskizzen aus den Jahren 1874-75. Breslau, 1878.
- Scobel* (A.), Die Verkehrswege Mexicos und ihre wirtschaftliche Bedeutung. In 'Deutsche Geographische Blätter.' Band X., Heft 1. Bremen, 1887.
- Through the Land of the Aztecs, or Life and Travel in Mexico. By a 'Gringo. London, 1892.

## MONACO.

**Prince Albert**, born November 13, 1848; succeeded his father, Prince Charles III., September 10, 1889; married (1) to Lady Mary Douglas Hamilton, September 1, 1869;<sup>1</sup> (2) to Alice Duchess-Dowager de Richelieu. Son by first wife, Prince Louis, born July 12, 1870.

Monaco is a small Principality in the Mediterranean, surrounded by the French Departement of Alpes Maritimes excepting on the side towards the sea. From 968 it belonged to the house of Grimaldi. In 1715 it passed into the female line, Louise Hippolyte, daughter of Antony I., heiress of Monaco marrying Jacques de Goyon Matignon, Count of Thorigny, who took the name and arms of Grimaldi. Antony I died in 1731, Louise Hippolyte only reigning ten months and dying in 1732. She was succeeded by her husband under the name of Honorius III., who also succeeded Antony I. as Duc di Valentinois. This prince was dispossessed by the French Revolution in 1792, and died in 1795. In 1814 the Principality was re-established, but placed under the protection of the Kingdom of Sardinia by the Treaty of Vienna (1815).

In 1848 Mentone and Roquebrune revolted, and declared themselves free towns; in 1861 Charles III. ceded his rights over them to France, and the Principality thus became geographically an *enclave* of France, when the Sardinian garrison was withdrawn and the Protectorate came to an end.

Ever since the year 1819 the Government of the Principality have adopted the French Codes and possessed a Court of First Instance, as well as a Juge de Paix's Court. A Court of Appeal is constituted by the Prince's appointment of two Paris judges who act as such when necessary.

The Principality has its own coinage which is current since 1876 in all the States of the Latin Union; it also issues its own separate postage-stamps. There is a Governor-General and a Council of State.

The area is eight square miles. Population, 1890, 13,304. Towns: Monaco, 3,292; Condamine, 6,218; Monte Carlo, 3,794.

There is a Roman Catholic bishop. Exclusive of the 'guard of honour,' the troops consist of 5 officers and 70 men. Olive oil, oranges, citrons, and perfumes are exported. The revenue is mainly derived from the gaming tables.

*Consul-General* for Monaco in London.—C. H. Piesse.

*British Consul*.—J. C. Harris (residing at Nice).

*British Vice-Consul*.—Ed. Smith (residing at Monaco).

### BOOKS OF REFERENCE.

*Boyer de Ste. Suzanne* (R. de), La Principauté de Monaco. 12. Paris, 1884.

*Métivier* (Henri), Monaco et ses Princes. 2 vols. 8. La Flèche. 1862.

*Playfair* (Sir R. L.), Handbook (Murray's) to the Mediterranean. 3rd ed. 2 vols. 8. London, 1890.

<sup>1</sup> The religious marriage was annulled by the Court of Rome (Papal Court) on January 3, 1880, and the civil marriage declared dissolved by decree of the reigning Prince on July 28, 1880.



## MONTENEGRO.

(CRNAGORA—KARA-DAGH.)

### Reigning Prince.

**Nicholas I.**, Petrović Njegoš, born October 7 (September 25), 1841; educated at Trieste and Paris; proclaimed Prince of Montenegro, as successor of his uncle, Danilo I., August 14, 1860. Married, November 8, 1860, to *Milena Petrovna Vucoticova*, born May 4, 1847, daughter of Peter Vukotić, senator, and Vice-President of the Council of State. Offspring of the union are six daughters and three sons, *Danilo Alexander*, heir-apparent, born June 29, 1871; *Mirko*, born April 17, 1879; *Peter*, born 1889.

The supreme power has been retained in the family of Petrovic Njegoš, descending collaterally, since the time of Danilo Petrović, who, being proclaimed Vladika, or prince-bishop, of Montenegro in 1697, liberated the country from the Turks, and, having established himself as both spiritual and temporal ruler, entered into a religious and political alliance with Russia. His successors retained the theocratic power till the death of Peter Petrović II. (October 31, 1851), last Vladika of Montenegro, a ruler of great wisdom, as well as a widely celebrated poet. He was succeeded by his nephew, Danilo I., who abandoned the title of Vladika, together with the spiritual functions attached to it, and substituted that of Gospodar, or Prince. At the same time Danilo I., to throw off a remnant of nominal dependency upon Turkey, acknowledged by his predecessors, obtained the formal recognition of his new title from Russia. Danilo I., assassinated August 13, 1860, was succeeded by his nephew, second Gospodar of Montenegro.

The following is the complete list of the Petrović dynasty, with their dates:—

#### *Vladikas or Prince-Bishops.*

Danilo . . . . .	1697-1735	Peter I. (St. Peter) . . . . .	1782-1830
Sava and Vassili . . . . .	1735-1782	Peter II. (Vladika Rade) . . . . .	1830-1851
Danilo I. (Kniaz and Gospodar) . . . . .			1851-1860
Nicholas I. (reigning Prince, nephew of the last)			

Former rulers of Montenegro possessed the whole of the revenues of the country, and, in fact, this system obtains still, although laws have from time to time been passed regulating both the Prince's annual civil list and the public expenditure. Prince Nicholas's nominal yearly income is fixed for the present at 9,000 ducats, or 4,100*l.* A yearly sum of 48,000 roubles, or 4,800*l.*, has been received by Montenegro from Russia since the Crimean war, as a reward for its friendly attitude during that period. The Austrian Government is stated to contribute about 30,000 florins per annum towards the construction of carriage roads in Montenegro.

### Government.

The Constitution of the country, dating from 1852, with changes effected in 1855 and 1879, is nominally that of a limited monarchy, resting on a patriarchal foundation. The executive authority rests with the reigning Prince,

while the legislative power is vested, according to an 'Administrative Statute' proclaimed March 21, 1879, in a State Council of eight members, one half of them being nominated by the Prince, and the other elected by the male inhabitants who are bearing, or have borne, arms. Practically, all depends on the absolute will of the Prince. The inhabitants are divided into 40 tribes, each governed by elected 'elders,' and a chief or captain of district called *Knjež*, who acts as magistrate in peace and is commander in war. By the 'Administrative Statute' of 1879, the country was divided into 80 districts and eight military commands.

President of the Council of Ministers and Minister of the Interior, Voivode Bojo Petrovic. There are Ministries for Foreign Affairs, War, Finance, and Justice and Worship.

### Area and Population.

The area of Montenegro is estimated to embrace 3,630 English square miles, inclusive of the annexations effected by the Congress of Berlin in 1878. Its extreme length, from the northernmost point of Piwa to the Boyana, is little more than 100, and its width, from Grahovo to the Lim, about 80 English miles. It is bordered on the south or south-east by the Turkish Vilayets of Scutari and Kossovo (North Albania), on the east by the Sanjak of Novi Bazar, and on the north-west by the Herzegovina. On the west it is separated from the Adriatic by the narrow strip of Austrian territory forming the extremity of Dalmatia (Boeche di Cattaro, Budua, Spizza), excepting in the recently (1878-81) acquired districts of Antivari and Dulcigno, where it possesses a seaboard some 28 miles in length. The total population was stated in official returns to number 220,000 in 1879. The population having decreased owing to emigration and other causes, a recent estimate puts it at 200,000. The capital is Cettinjé, with 1,200 population; Podgoritza, 6,000; Dulcigno, 5,000; Nikšić, 3,000; Danilograd, 600. The population is mainly pastoral and agricultural. The Montenegrins belong almost entirely to the Servian branch of the Slav race.

### Religion.

The Church is nominally independent of the State, except that the bishops are appointed by the Prince; but the personal authority of the latter is all-pervading. The principal monasteries are possessed of sufficient property for their maintenance, aided by occasional contributions from Russia. The rural clergy are maintained by the communities. Orthodox Montenegro is divided into two dioceses, Cettinjé and Ostrog, but actually the cure of both sees is united in the hands of the Metropolitan Bishop of Cettinjé. The former see comprises 8 sub-districts, called proto-presbyteries, with 84 parishes, and the latter into 9 such districts with 75 parishes. The Roman Catholic Archbishopric of Antivari contains 10 parishes, all of which are situated in the districts recently acquired from Turkey, in which there are likewise 10 Musliman parishes.

Religion	Number of Churches	Number of Clergy	Adherents
Greek Orthodox . . .	177	180	188,100
Mohammedan . . .	19	33	8,500
Roman Catholic . . .	10	13	3,400
	206	226	200,000

### Instruction.

Schools for elementary education are supported by Government ; education is compulsory and free ; there are (1889) 70 elementary schools, with 3,000 male and 300 female pupils. All males under the age of 25 years are supposed to be able to read and write. There is a theological seminary and a gymnasium or college for boys at Cetinje, and a girls' high school with 44 resident pupils maintained at the charge of the Empress of Russia.

### Justice, Crime, and Pauperism.

There are district courts in four or five of the principal towns. In rural districts justice is administered in the first instance by the local knezes, but the 'Veliki Sud,' or supreme court at Cetinje, has jurisdiction, both appellate and concurrent, over the whole principality, and in the last resort there lies an appeal to the Prince in person. There are no judicial statistics, but crime in general is rare.

There is no regular provision for poor relief. The Government, however, annually undertakes a certain number of public works, such as roads, bridges, &c., at which the indigent are invited to labour, being paid mostly in grain, procured for that purpose from Russia. Russian charity also does much.

### Finance.

No official returns are published regarding the public revenue and expenditure. Reliable estimates state the former at 600,000 Austrian florins, or about 50,000*l.*, derived chiefly from land and cattle taxes, the salt monopoly, and customs duties. 70,000*l.* is owed to Russia for grain supplied in 1879.

### Defence.

There exists no standing army, but all the inhabitants, not physically unfitted, are trained as soldiers, and liable to be called under arms. Recently the Moslem inhabitants of Dulcigno have been exempted from military service on payment of a capitation tax. The number of trained men is put at 35,870 infantry, and 856 artillery. About 25,000 men are in the first class.

There are about 40,000 rifles in the country:—20,000 Werndl, 10,000 Kruka, 10,000 Snider and Peabody-Martini. The artillery consists of 2 siege guns, 2 bronze Russian 12-pounders, 12 steel and 6 bronze Krupp guns, and 24 mountain guns, kept at the central depôt of Spuz.

### Production and Industry.

Agriculture is of the most primitive kind. The cultivated land is mostly the property of the cultivators, the Croatian system of domestic communism being generally prevalent. In some districts, however, the land is split up into diminutive peasant-holdings, while in a few the métayer system is met with, but large estates nowhere exist. The principal crops grown are maize, tobacco (450,000 lbs. in 1894), oats, potatoes, barley, and buckwheat. The vine is cultivated successfully in the Tehermitchka Nahie, and the district of Podgoritza, and the olive about Antivari and Dulcigno. The uncultivable area consists, in the east, of forest and mountain pasturage, and, in the west, of bare limestone sparsely sprinkled with brushwood and stunted scrub. There are no sea-fisheries. Any small manufactures that exist are only for local consumption. Live stock of all kinds are reared: there are 350,000 sheep and goats ; 60,000 cattle ; 8,000 swine ; 3,000 horses.

### Commerce.

The customs tariff is 4 per cent. *ad valorem* on all merchandise. The exports are valued at about 200,000*l.*, imports at 20,000*l.* The principal exports are shumac, flea powder (*Pyrethrum roseum*), smoked sardines (*scoranzze*), smoked mutton, cattle, sheep, goats, cheese, wool, hides, skins, and furs.

### Communications.

There are excellent carriage roads from Budua and Cattaro to Cetinje, and from Cetinje by Rieka, near Lake Scutari, to Podgoritza, and to Nikšičh—and from Antivari to Vir Bazar on Lake Scutari, and bridle roads over the rest of the principality. There are 280 miles of telegraph in the country, with 15 offices.

### Money.

Montenegro has no coinage of its own; Austrian paper is the principal medium of exchange. Turkish silver is also current, but little gold of any kind is in circulation, as it is difficult to change. There is no bank of any kind in the country.

*British Chargé d'Affaires.*—Robert J. Kennedy, C. M. G.

### Statistical and other Books of Reference concerning Montenegro.

- Andric* (M.), *Geschichte des Fürstenthums Montenegro*. 8. Wien, 1853.  
*Brown* (H. C.), *A Winter in Albania*. London, 1888.  
*Caldwell* (C. E.), *Handbook of the Armies of the Minor Balkan States*. Issued by Intelligence Division, War Office. 8. London, 1891.  
*Cozens-Hardy*. *Montenegro and its Borderlands*. *Geographical Journal*. Vol. IV. 1894.  
*Denton* (Rev. William), *Montenegro: its People and their History*. 8. London, 1877.  
*Evans* (A. J.), *Illyrian Letters*. 8. London, 1878.  
*Frilley* (G.) and *Wlahovitz* (Ivan), *Le Monténégro Contemporain*. Paris.  
*Kohl* (J. Geo.), *Reise nach Montenegro*. 2 vols. 8. Dresden, 1851.  
*Kovalevsky* (Egor Petrovich), *Montenegro and the Slavonic Countries*. (Russia.) 8. St. Petersburg, 1872.  
*Krasinski* (Walerjan Skorobohaty), *Montenegro and the Slavonians of Turkey*. 8. London, 1853.  
*Schwarz* (Dr. B.), *Montenegro, Schilderung einer Reise durch das Innere nebst Entwurf einer Geographie des Landes*. 8. Leipzig, 1833.  
*Sestak* (J. F.) and *Scherbs* (F.), *Militärische Beschreibung des Paschaliks Herzegovina und des Fürstenthums Cernagora*. 8. Wien, 1862.  
*Mamler*, *Lettres sur l'Adriatique et le Monténégro*.  
*Lenormant*, *Turcs et Monténégriens*.  
*Yriarte* (Ch.), *Les Bords de l'Adriatique et le Monténégro*.  
*D'Avril* (Baron), *La France au Monténégro*.  
*Wingfield* (W. F.), *Tour in Dalmatia, &c.* London, 1859.

## MOROCCO.

(MAGHRIB-EL-AKSA.—EL GHARB.)

### Reigning Sultan.

**Mulai-Abd-el-Aziz**, born about 1881, son of Sultan Mulai-Hassan ; succeeded on the death of his father, being proclaimed Sultan in the Sherifian Camp June 7, 1894.

The present Sultan of Morocco—known to his subjects under the title of ‘Emir-al-Mumenin,’ or Prince of True Believers—is the fifteenth of the dynasty of the Alides, founded by Mulai-Achmet, and the thirty-sixth lineal descendant of Ali, uncle and son-in-law of the Prophet. His four predecessors were :—

Sultan	Reign	Sultan	Reign
Mulai-Soliman . . .	1794–1822	Sidi-Mulai-Mohamed . .	1859–1873
Mulai-Abderrahman . .	1822–1859	Mulai-Hassan . . .	1873–1894

The Sherifian umbrella is hereditary in the family of the Sharifs of Fileli, or Tafilet. Each Sultan is supposed, prior to death, to indicate the member of the Sherifian family who, according to his conscientious belief, will best replace him. This succession is, however, elective, and all members of the Sherifian family are eligible. Generally the late Sultan’s nominee is elected by public acclamation at noonday prayers the Friday after the Sultan’s death, as the nominee has probably possession of imperial treasure, and is supported by the black bodyguard, from among whom the large majority of court officials are selected.

### Government.

The form of government of the Sultanate, or Empire of Morocco, is in reality an absolute despotism, unrestricted by any laws, civil or religious. The Sultan is chief of the State, as well as head of the religion. As spiritual ruler, the Sultan stands quite alone, his authority not being limited, as in Turkey and other countries following the religion of Mahomet, by the expounders of the Koran, the class of ‘Ulema,’ under the ‘Sheik-ul-Islam.’ The Sultan has six ministers, whom he consults if he deems it prudent to do so ; otherwise they are merely the executive of his unrestricted will. They are the Grand Vizier, the Ministers for Foreign Affairs, Home Affairs, and War, Chief Chamberlain, Chief Treasurer, and Chief Administrator of Customs. The Sultan’s revenue is estimated at 500,000*l.* per annum, derived from monopolies, taxes, tithes, and presents.

### Area and Population.

The area of Morocco can only be vaguely estimated, as the southern frontiers, towards the Sahara, are unsettled. According to the most recent investigation, the area of the Sultan’s dominions is about 219,000 English square miles. The estimates of the population of Morocco vary from 2,500,000 to 9,400,000 ; it is generally considered to be about 5,000,000 souls, although Dr. Rohlf’s, in the ‘Geographische Mittheilungen’ (1883), maintains that the population is not more than 2,750,000. An estimate of 1889 gives the following results :—The region of the old kingdom of Fez, 3,200,000 ; of Morocco, 3,900,000 ; of Tafilet and the Seghmesa country, 850,000 ; of Sus,

Adrar, and the Northern Draa, 1,450,000 ; total, 9,400,000. Again, as to race:—Berbers and Tuaregs, 3,000,000 ; Shellah Berbers, 2,200,000 ; Arabs (1) pure nomadic Bedouins, 700,000 ; (2) Mued, 3,000,000 ; Jews, 150,000 ; negroes, 200,000. The number of Christians does not exceed 5,000 ; the Christian population of Tangier alone probably amounts to 4,000. Much of the interior of Morocco is unknown to Europeans. Fez, the capital, has a population of about 140,000, and Tangier about 30,000. The Sultan of Morocco and his subjects are of the Malekite sect of Sunnite Mohammedans. The differences between sects are chiefly in the attitudes assumed during the recital of prayers.

### Defence.

The Sultan's army, which is quartered at the capital where he may happen to reside, is composed of about 10,000 Askar or disciplined infantry, under the command of an Englishman, and 400 disciplined cavalry ; a few batteries of field guns commanded by three French officers, and 2,000 irregular cavalry. Two Italian artillery officers and an Italian civil engineer have been recently lent to the Sultan by the Italian Government to assist in the establishment of a small-arms factory at Fez. A Spanish military commissioner also is engaged on topographical works, either at Tetuan, Tangier, or Fez, according to the direction of the Spanish Government. There is also a Spanish engineer officer and military doctor, and a German engineer officer with the Sultan. In addition to these forces there are in the Empire about 8,000 militia cavalry and 10,000 infantry. Every year several of the governors of provinces are ordered to assemble their contingents to accompany the Sultan in his progress from Fez to Morocco. The irregular cavalry and infantry which could be collected in time of war would amount to about 40,000, in addition to the forces already enumerated. There is no commissariat.

### Commerce.

The foreign trade is largely with Great Britain and France, that with Germany being on the increase in recent years ; Great Britain's share is about half of the whole trade.

The following table shows the value of the trade and the shipping of Morocco at the different ports in 1893, including specie and precious metals :—

Ports	Imports	Exports	Entered		Cleared	
			Vessels	Tons	Vessels	Tons
	£	£				
Tangier .	493,774	287,560	1,055	292,355	1,042	289,409
Tetuan .	36,919	7,312	167	11,230	166	11,335
Laraiche .	245,023	46,613	159	64,115	159	64,115
Rabat .	161,221	34,579	81	58,274	81	58,274
Mogador .	247,699	272,753	111	88,635	110	88,523
Casa Blanca	347,047	357,144	343	168,720	348	171,952
Mazagan .	235,762	270,754	226	109,925	226	109,925
Saffi .	95,738	172,336	157	80,062	158	80,312
Total .	1,863,183	1,449,051	2,299	873,316	2,290	873,845

The following are the principal imports and exports of Morocco in 1893 :—

Imports		Exports	
	£		£
Cotton goods . . . . .	632,810	Beans . . . . .	230,771
Sugar . . . . .	369,236	Wool . . . . .	157,537
Tea . . . . .	95,480	Woollen goods . . . . .	19,787
Woollen cloth . . . . .	78,811	Oxen . . . . .	101,568
Silk, raw . . . . .	45,670	Barley . . . . .	98,336
Silk, manufactured . . . . .	7,962	Goat-skins . . . . .	95,381
Candles . . . . .	42,100	Maize . . . . .	72,384
Wines, spirits, ales, &c. . . . .	41,513	Eggs . . . . .	62,610
Hardware . . . . .	37,412	Almonds . . . . .	52,174
Iron and iron goods . . . . .	22,607	Wheat . . . . .	42,402
Glass & earthenware . . . . .	20,962	Bees'-wax . . . . .	37,475
Flour . . . . .	20,887	Slippers . . . . .	24,222
Coffee . . . . .	8,347	Bird seed . . . . .	16,632
Hides . . . . .	4,400	Dates . . . . .	11,511

The value of the trade between Morocco and the United Kingdom in each of the last five years, according to the Board of Trade returns, was :—

	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from Morocco . . . . .	956,019	668,034	611,445	755,404	549,687
Exports of British produce to Morocco . . . . .	572,133	638,387	592,767	583,386	494,908

The chief articles of import into the United Kingdom from Morocco in 1893 were maize and beans, of the value of 248,529*l.* ; barley, 54,088*l.* ; gum, 17,775*l.* ; almonds, 46,881*l.* ; wool, 76,039*l.* The staple article of British export to Morocco consists of cotton manufactures, to the value of 391,289*l.* in 1893.

By the Treaty of Wad Ras, 1860, the Sultan granted the claim of Spain, although the question has at different times been raised, to the small territory of Santa Cruz de Mar Pequeña, south of Mogador, but Spain has not yet taken advantage of the cession. On the North coast of Morocco, Spain occupies positions at Ceuta and Melilla.

Postal services, under the control of the Moorish, British, or French Government, have been begun, and now six couriers a week pass in each direction between Fez and Tangier, while a bi-weekly service extends to Elksar, Laraiche, and other towns.

## Money, Weights, and Measures.

### MONEY.

The *Blankeel* or *Muzoonu* = 6 *Floos*      Approximate English value =  $\frac{9}{100}d.$   
 The *Ounce* or *Okia*      = 4 *Blankeels*      ,,      ,,      ,,      =  $\frac{36}{100}d.$   
 The *Mitkal*      = 10 *Ounces*      ,,      ,,      ,,      =  $3\frac{8}{100}d.$

Spanish and French money are current in Morocco.

## WEIGHTS AND MEASURES.

The *Kintar* by which is sold the produce of weight of the country, 100 *Rotals*, equal to 168 lb. English.

The *Kintar* by which is sold the articles of weight of importation is 100 *Rotals*, equal to 112 lb. English.

The *Drah*, 8 *Tomins*, about 22 English inches.

Grain is sold by measure.

The actual *Tangin*, almost 8 *Tomins*, equal to  $1\frac{17}{16}$  English bushel.

Oil is sold, wholesale, by the *kula*; that of Tangier actually weighs 28 *rotals*, 47 lb. English, and is equal to about  $5\frac{29}{100}$  British imperial gallons.

## Diplomatic and Consular Representatives.

## OF GREAT BRITAIN IN MOROCCO.

*Envoy Extraordinary and Minister Plenipotentiary*.—Ernest Satow, C.M.G., appointed June, 1893.

*Consul at Tangier*.—H. E. White.

There is also a Consul at Dar-el-Baida; Vice-Consuls at Fez, Laraiche, Rabat, Mogador, Mazagan, and Safi; and a Consular Agent at Tetuan.

## Statistical and other Books of Reference concerning Morocco.

## 1. OFFICIAL PUBLICATIONS.

Foreign Office Reports. Annual Series. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

*Amieis* (E. de), Marocco. 8. Milano, 1878. London, 1882.

*Bonsal* (S.), Morocco as it is. With an Account of Sir Charles Euan Smith's Recent Mission to Fez. London, 1892.

*De Campou* (Ludovic), Un empire qui croule, le Maroc contemporain. Paris, 1886.

*De Foucauld* (Vicente Ch.), Reconnaissance au Maroc, 1883-1884. Paris, 1888.

*Erekmann* (Jules, capit.), Le Maroc moderne. Paris.

*Harris* (A.), The Land of an African Sultan: Travels in Morocco, 1887-89. 8. London, 1889.

*Hay* (J. D.), Morocco and the Moors. 8. London.

*Hooker* (Sir Joseph D.), Journal of a Tour in Morocco. 8. London, 1878.

*Lenz* (Dr. O.), Timbaktu. Leipzig, 1884.

*Maltzan* (Heinrich, Freiherr von), Drei Jahre im Nordwesten von Afrika: Reisen in Algerien und Marokko. 4 vols. 8. Leipzig, 1869.

*Martinière* (H. M. P. de la), Morocco: Journeys to the Kingdom of Fez and to the Court of Mulai-Hassan, with a Bibliography of Morocco from 1844 to 1887. London, 1889.

*Montbard* (G.), A travers le Maroc. 4. Paris. Among the Moors. 8. London.

*Playfair* (Sir R. L.) and *Brown* (R.), Bibliography of Morocco. 8. London, 1892.

*Rohlf's* (Gerhard), Land und Volk in Afrika. 8. Bremen, 1870. Mein erster Aufenthalt in Marokko. 8. Bremen, 1873. [English translation, Adventures in Morocco, &c. 8. London, 1874.] Reise durch Marokko, &c. 8. Bremen, 1868. Quer durch Afrika. 2 vols. 8. Leipzig, 1874.

*Stutfield* (Hugh E. M.), El Maghreb; 1,200 Miles' Ride through Morocco. London, 1886.

*Thomson* (Joseph), Travels in the Atlas and Southern Morocco. London, 1889.

*Trotter* (Capt. P. D.), Our Mission to the Court of Morocco. Edinburgh, 1881.

*Watson* (R. S.), A Visit to Wazan. London, 1880.



## NEPAL.

AN independent Kingdom in the Himálayas, between  $26^{\circ} 25'$  and  $30^{\circ} 17'$  N. lat., and between  $80^{\circ} 6'$  and  $88^{\circ} 14'$  of E. long. ; its greatest length 500 miles, its greatest breadth about 150 ; bounded on the north by Tibet, on the east by Sikkim, on the south and west by British India.

The nominal sovereign is His Highness Mañarája Dhiraj Pithivi Bir, Bikráam Shamsher Jang Bahadur Shah Bahadur Shamsher Jang, who was born on August 8, 1875, and succeeded his grandfather on May 17, 1881, the Prime Minister, Maharaja Sir Bir Shamsher Jang Rana Bahádur, K.C.S.I., being the *de facto* ruler.

The Gúrkhas, a Rájput race from Oodeypore in Rajputana, conquered Nepál in the latter half of the last century, and have maintained their power to this day. About 1790 a Gúrkha army invaded Tibet ; and to avenge this affront the Chinese Emperor, Kuen Lung, in 1791, sent an army into Nepál, which compelled the Gúrkhas to submit to the terms of peace, by which they were bound to pay tribute to China. This tribute is still sent, but only at irregular intervals. The relations between the Indian Government and the Gúrkha rulers of Nepál date from the time of the Chinese invasion, when Lord Cornwallis endeavoured, but without success, to avert hostilities. A commercial treaty, however, between India and Nepál was signed in 1792. An English envoy was sent to reside at Khatmandu, but was recalled two years later. A frontier outrage, in 1814, compelled the Indian Government to declare war ; and a British force advanced to within three marches of the capital. Peace was concluded and the Treaty of Segowlie signed on December 2, 1815. Since then the relations of the English with Nepál have been on the whole friendly ; and during the Indian Mutiny, the Prime Minister, Sir Jang Bahádur, sent a detachment of Gúrkha troops to assist in the suppression of the rebellion in Oudh. Jang Bahádur died in 1877, and was succeeded as Prime Minister by Sir Ranodíp Singh, who was overthrown and murdered in a revolution which occurred in November 1885. Since then the Prime Minister, Sir Bir Shamsher Jang Rana Bahádur, K.C.S.I., has been in power.

The government of Nepál is that of a military oligarchy. The chief power is in the hands of the Prime Minister ; the Mañarája Dhiraj being merely titular sovereign. In accordance with the treaty between Nepál and the Government of India, an English Resident, with a small escort of Indian sepoy, lives at the capital ; but he does not interfere in the internal affairs of the State.

Area about 54,000 square miles ; population estimated at 2,000,000. The races of Nepál, besides the dominant Gúrkhas, include earlier inhabitants of Tartar origin, such as Magars, Gurangs, and Newars.

Chief town, Khatmandu.

Hinduism of an early type is the religion of the Gúrkhas, and is gradually but steadily overlaying the Buddhism of the primitive inhabitants.

There is a standing irregular army in Nepál, with an estimated strength of 25,000. Besides this, a force of 17,000 regulars is stationed in and about the capital. The troops are equipped with Enfield, Snider, and Martini-Henry rifles of local manufacture ; and there is a limited number of small field-pieces.

The trade of Nepál with British India during three years ending March 31, 1894, has been as follows (excluding treasure) :—

—	1891-92. Rs.	1892-93. Rs.	1893-94. Rs.
Imports from India . . . .	13,585,540	12,052,658	11,610,295
Exports to India . . . .	16,450,655	14,189,724	15,981,613

The principal articles of export are rice, oil seeds, clarified butter, ponies, timber, musk, borax. The chief imports are raw cotton, twist, and piece goods, woollens, shawls, tobacco, sheet copper, tea and salt.

The silver mohar is valued at 6 annas and 8 pice of British Indian currency. Copper pice of varying value are also coined. The Indian rupee passes current throughout Nepál.

#### BOOKS OF REFERENCE.

- Essays on the Languages, Literature, and Religion of Nepaul and Tibet, by Brian Hodgson. London, 1874.  
 Sketches from Nepaul, Historical and Descriptive, by H. A. Oldfield. London, 1880.  
 History of Nepaul, translated by Dr. D. Wright. Cambridge, 1877.  
 Short History of India and the Frontier States, by J. Talboys Wheeler. London, 1880.

## NETHERLANDS (THE).

(KONINKRIJK DER NEDERLANDEN.)

### Reigning Sovereign.

**Wilhelmina Helena Pauline Maria**, born August 31, 1880, daughter of the late King Willem III. and of his second wife, Princess Emma, born August 2, 1858, daughter of Prince George Victor of Waldeck; succeeded to the throne on the death of her father, November 23, 1890.

### *Queen Regent during the Minority of the Queen.*

**Adelhaid Emma Wilhelmina Theresia**, Princess of Waldeck and Pyrmont, Queen-Dowager, mother of the Queen, took oath as Queen Regent, December 8, 1890.

### *Aunt of the Queen.*

Princess **Sophie**, sister of the late King Willem, born April 8, 1824; married October 8, 1842, to Grand-duke Karl Alexander of Saxe-Weimar, born June 24, 1818.

The royal family of the Netherlands, known as the House of Orange, descends from a German Count Walram, who lived in the eleventh century. Through the marriage of Count Engelbrecht, of the branch of Otto, Count of Nassau, with Jane of Polanen, in 1404, the family acquired the barony of Breda, and thereby became settled in the Netherlands. The alliance with another heiress, only sister of the childless Prince of Orange and Count of Châlons, brought to the house a rich province in the south of France; and a third matrimonial union, that of Prince Willem III. of Orange with a daughter of King James II., led to the transfer of the crown of Great Britain to that prince. Previous to this period, the members of the family had acquired great influence in the Republic of the Netherlands under the name of 'stadtholders,' or governors. The dignity was formally declared to be hereditary in 1747, in Willem IV.; but his successor, Willem V., had to fly to England, in 1795, at the invasion of the French republican army. The family did not return till November, 1813, when the fate of the republic, released from French supremacy, was under discussion at the Congress of Vienna. After various diplomatic negotiations, the Belgian provinces, subject before the French revolution to the House of Austria, were ordered by the Congress to be annexed to the territory of the republic, and the whole to be erected into a kingdom, with the son of the last stadtholder, Willem V., as hereditary sovereign. In consequence, the latter was proclaimed King of the Netherlands at the Hague on the 16th of March, 1815, and recognised as sovereign by all the Powers of Europe. The established union between the

northern and southern provinces of the Netherlands was dissolved by the Belgian revolution of 1830, and their political relations were not readjusted until the signing of the treaty of London, April 19, 1839, which constituted Belgium an independent kingdom. King Willem I. abdicated in 1840, bequeathing the crown to his son Willem II., who, after a reign of nine years, left it to his heir, Willem III. This king reigned 41 years, and died in 1890; in default of male heirs, he was succeeded by his only daughter Wilhelmina.

King Willem II. had a civil list of 1,000,000 guilders, but the amount was reduced to 600,000 guilders at the commencement of the reign of King Willem III., and is since maintained. There is also a large revenue from domains, and in addition an allowance of 50,000 guilders for the maintenance of the royal palaces. The Queen-Regent receives an annual allowance of 150,000 guilders. The family of Orange is, besides, in the possession of a very large private fortune, acquired in greater part by King Willem I. in the prosecution of vast enterprises tending to raise the commerce of the Netherlands.

The House of Orange has given the following Sovereigns to the Netherlands since its reconstruction as a kingdom by the Congress of Vienna:—

Willem I.	.	.	.	.	.	1815
Willem II.	.	.	.	.	.	1840
Willem III.	.	.	.	.	.	1849
Wilhelmina	.	.	.	.	.	1890

## Government and Constitution.

### I. CENTRAL GOVERNMENT.

The first Constitution of the Netherlands after its reconstruction as a kingdom was given in 1815, and was revised in 1848 and in 1887. According to this charter the Netherlands form a constitutional and hereditary monarchy. The royal succession is in the direct male line in the order of primogeniture; in default of male heirs, the female line ascends the throne. In default of a legal heir, the successor to the throne is designated by the Sovereign and a joint meeting of both the Houses of Parliament (each containing twice the usual number of members), and by this assembly alone if the case occurs after the Sovereign's death. The age of majority of the Sovereign is 18 years. During his minority the royal power is vested in a Regent—designated by law—and in some cases in the State Council.

The executive power of the State belongs exclusively to the Sovereign, while the whole legislative authority rests conjointly in the Sovereign and Parliament, the latter—called the States-General—consisting of two Chambers. The Upper or First Chamber is composed of 50 members, elected by the Provincial States from among the most highly assessed inhabitants of the eleven provinces, or from among some high and important functionaries, mentioned by bill. Members of the First Chamber not residing in the Hague are allowed 10 guilders (16s. 8d.) a day during

the Session of the States-General. The Second Chamber of the States-General numbers 100 deputies, and is elected directly from among all the male citizens who are 30 years of age, and are not deprived by judicial sentence of their eligibility or the administration and the disposal of their property. Voters are all male citizens, 23 years of age, who have paid either a ground-tax of at least 10 guilders, or a direct tax (personal) to an amount higher than the sum which gives partial exemption from taxation, and which varies according to population, or who are lodgers according to the precepts of the law. The total number of electors, according to the new Constitution, is about 295,000, which gives 1 voter in about 15 persons. The members of the Second Chamber receive an annual allowance of 2,000 guilders (£166), besides travelling expenses. They are elected for 4 years, and retire in a body, whereas the First Chamber is elected for 9 years, and every three years one-third retire by rotation. The Sovereign has the power to dissolve both Chambers of Parliament, or one of them, being bound only to order new elections within 40 days, and to convoke the new meeting within two months.

The Government and the Second Chamber only have the right of introducing new bills; the functions of the Upper Chamber being restricted to approving or rejecting them, without the right of inserting amendments. The meetings of both Chambers are public, though each of them, by the decision of the majority, may form itself into a private committee. The ministers can attend at the meetings of both Chambers, but they have only a deliberative voice, unless they are members. Alterations in the Constitution can be made only by a bill declaring that there is reason for introducing those alterations, followed by a dissolution of the Chambers and a second confirmation by the new States-General by two-thirds of the votes. Unless it is expressly declared, the laws concern only the realm in Europe, and not the colonies.

The executive authority, belonging to the Sovereign, is exercised by a responsible Council of Ministers. There are eight heads of departments in the Ministerial Council, namely :—

1. *The Minister of Foreign Affairs and President of the Ministerial Council.*—Jhr. Dr. J. Roëll; appointed May 7, 1894.
2. *The Minister of the Interior.*—Dr. S. van Houten; appointed May 7, 1894.
3. *The Minister of Finance.*—Dr. J. P. Sprenger van Eyk; appointed May 7, 1894.
4. *The Minister of Justice.*—Dr. W. van der Kaay; appointed May 7, 1894.
5. *The Minister of the Colonies.*—J. H. Bergsma; appointed May 7, 1894.
6. *The Minister of Marine.*—Jhr. H. M. van der Wijk; appointed May 7, 1894.

7. *The Minister of War.*—C. O. H. *Schneider* ; appointed May 7, 1894.

8. *The Minister of Public Works and Commerce* (Waterstaat).—Ph. W. *van der Sleyden* ; appointed May 7, 1894.

Each of the above Ministers has an annual salary of 12,000 guilders, or 1,000*l.*

There is a State Council—'Raad van State'—of 14 members, appointed by the Sovereign, of which the Sovereign is president, and which is consulted on all legislative and a great number of executive matters.

## II. LOCAL GOVERNMENT.

The territory of the Netherlands is divided into 11 provinces and 1,123 communes.

Each province has its own representative body, 'the Provincial States.' The members are elected for 6 years, directly from among the male Dutch inhabitants of the province who are 25 years of age, one-half of the members retiring every 3 years. The practice is the same as that for the Second Chamber. Voters must be inhabitants of the province. The number of members varies according to the population of the province, from 80 for Holland (South) to 35 for Drenthe. The Provincial States are entitled to make ordinances concerning the welfare of the province, and to raise taxes according to legal precepts. All provincial ordinances must be approved by the King. The Provincial States exercise a right of control over the municipalities. They also elect the members of the First Chamber of the States-General, and are bound to see the common law executed in their provinces. They meet twice a year, as a rule in public. A permanent commission composed of 6 of their members, called the 'Deputed States,' is charged with the executive power in the province and the daily administration of its affairs. Both the Deputed as well as the Provincial States are presided over by a Commissioner of the Sovereign, who in the former assembly has a deciding vote, but in the latter named only a deliberative voice. He is the chief magistrate in the province. Only the members of the Deputed States receive an allowance.

The communes form each a Corporation with its own interests and rights, subject to the general law. In each commune is a Council, elected for six years directly, by the same voters as for the Provincial States, provided they inhabit the commune ; one-third of the Council retiring every two years. All the male Dutch inhabitants 23 years of age are eligible, the number of members varying from 7 to 39, according to the population. The Council has a right of making and enforcing by-laws concerning the communal welfare. The Council may raise taxes according to rules prescribed by common law ; besides each commune receives a fixed annual allowance out of the State Treasury. All by-laws can be vetoed by the Sovereign. The Municipal Budget and the resolutions to alienate municipal property require the approbation of the Deputed States of the province. The Council meets in public as often as may be necessary, and is presided over by a Mayor, appointed by the Sovereign for 6 years. The executive power is vested in a college formed by the Mayor and 2, 3, or 4 Aldermen (wethouders), elected by the Council ; this college is also charged with the execution of the common law. The Municipal Police is under the authority of the Mayor ; as a State functionary the Mayor supervises the actions of the Council ; he may suspend their resolutions for 30 days, but is bound to inform the Deputed States of the province.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

The following is the population at various census periods:—

1829 . . . 2,613,487	1869 . . . 3,579,529
1839 . . . 2,860,559	1879 . . . 4,012,693
1849 . . . 3,056,879	1889 . . . 4,511,415
1859 . . . 3,309,128	

The rate of increase in each year has been, in 1880, 0·6 ; in 1881, 1·3 ; in 1882, 1·4 ; in 1883, 1·2 ; in 1884, 1·3 ; in 1885, 1·4 ; in 1886, 1·3 ; in 1887, 1·4 ; in 1888, 1·2 ; in 1889, 0·9 ; in 1890, 1·18 ; in 1891, 1·25 ; in 1892, 1·03 ; in 1893, 1·36.

The following table shows the area and the population of the eleven provinces of the kingdom, according to the census of December 31, 1889, and to the communal population tables on December 31, 1893:—

Provinces	Area : English square miles	Population		
		Dec. 31, 1889	Dec. 31, 1893	Per sq. mile
North Brabant . . .	1,980	509,628	524,043	264·7
Guelders . . .	1,965	512,202	528,276	268·8
South Holland . . .	1,166	949,641	1,021,435	876·0
North Holland . . .	1,070	829,489	895,080	836·5
Zealand . . .	690	199,234	204,561	296·8
Utrecht . . .	534	221,007	232,316	435·0
Friesland . . .	1,282	335,558	336,204	262·2
Overyssel . . .	1,291	295,445	306,524	237·4
Groningen . . .	790	272,786	281,970	357·1
Drenthe . . .	1,030	130,704	137,456	133·3
Limburg . . .	850	255,721	265,046	311·8
<b>Total . . .</b>	<b>12,648</b>	<b>4,511,415</b>	<b>4,732,911</b>	<b>374·20</b>

Of the total population in 1893 there were 2,341,484 males and 2,391,427 females.

The Netherlands possess a comparatively large urban population, especially in the provinces of North and South Holland.

Year	Population of the 21 principal Towns <sup>1</sup>	Percentage of the whole Population	Rural Population	Percentage of the whole Population
Dec. 31, 1869 . . .	936,801	26·1	2,642,728	73·8
„ „ 1879 . . .	1,115,627	27·8	2,897,066	72·1
„ „ 1889 . . .	1,411,584	31·2	3,099,831	68·7
„ „ 1892 . . .	1,506,703	32·2	3,162,873	67·8
„ „ 1893 . . .	1,538,837	32·5	3,194,074	67·5

<sup>1</sup> The towns with a population of more than 20,000 inhabitants.

The census of Dec. 1889 gives in a population of 4,511,415:—

—	Males	Per cent.	Females	Per cent.
Unmarried . . . . .	1,406,646	31·1	1,374,956	30·4
Married . . . . .	738,256	16·3	739,051	16·3
Widowers and widows . . . . .	81,419	1·9	165,496	3·6
Divorced and separated . . . . .	2,127	0·04	3,403	0·07

The Dutch belong to the Germanic race.

At the census of 1889 there were 47,888 persons of foreign birth living in the Netherlands, 28,767 of them being Germans, 13,697 Belgians, 1,339 English, and 4,085 from other countries. 2,950,471 persons were born in the communes where they lived; 977,360 in some other communes in the province; 497,809 in other provinces of the realm; and 9,795 in the Dutch colonies.

## II. MOVEMENT OF THE POPULATION.

The following are the statistics of births, deaths, and marriages:—

Years	Total Living Births	Illegitimate	Deaths	Marriages	Surplus of Births over Deaths	Stillborn
Average		—				
1874-79	140,423	—	89,824	31,357	50,599	7,617
1879-84	144,879	4,264	90,127	30,046	54,751	7,689
1884-89	149,516	4,753	91,658	30,501	57,864	7,744
1889	150,529	4,903	91,134	31,494	59,395	7,443
1890	149,329	4,755	93,246	32,304	56,183	7,374
1891	154,687	4,913	94,844	32,707	59,843	7,366
1892	148,714	4,762	97,530	33,330	51,184	7,307
1893	159,005	4,932	90,372	34,311	68,633	7,533

The emigration in the last five years has been as follows:—

Year	North America	South America	Australia	Africa	Total
1889	5,050	4,020	—	41	9,111
1890	3,282	167	—	77	3,526
1891	3,923	—	—	152	4,705
1892	6,211	—	—	79	6,290
1893	4,820	—	—	—	4,820

In 1893, 2,262 were males, 1,248 females, and 1,310 children.

The total number of emigrants, Dutch and foreigners, sailed from Dutch ports was, in 1893, 38,978.



## III. PRINCIPAL TOWNS.

On December 31, 1893, the following towns had a population of more than 20,000 inhabitants, namely :—

Amsterdam . . . . .	446,657	Leiden . . . . .	44,340	Nieuwer-Amstel	30,265
Rotterdam . . . . .	228,597	Tilburg . . . . .	35,586	Bois-le-Duc . . . . .	28,823
The Hague . . . . .	174,790	Maestricht . . . . .	32,945	Zwolle . . . . .	28,310
Utrecht . . . . .	91,070	Nimeguen . . . . .	34,671	Schiedam . . . . .	25,573
Groningen . . . . .	58,554	Dordrecht . . . . .	34,847	Breda . . . . .	23,883
Haarlem . . . . .	56,803	Leeuwarde . . . . .	30,949	Deventer . . . . .	24,072
Arnhem . . . . .	52,582	Delft . . . . .	31,125	Helder . . . . .	24,395

## Religion.

According to the terms of the Constitution, entire liberty of conscience and complete social equality are granted to the members of all religious confessions. The royal family and the majority of the inhabitants belong to the Reformed Church. The government of the Reformed Church is Presbyterian ; while the Roman Catholics are under an archbishop, of Utrecht, and four bishops, of Haarlem, Breda, Roermond, and 'sHertogenbosch. The salaries of several British Presbyterian ministers, settled in the Netherlands, and whose churches are incorporated with the Dutch Reformed Church, are paid out of the public funds. For Protestant Churches the sum of 1,379,852 guilders is set down in the Budget for 1895 ; for Roman Catholics, 576,735 gl. ; and for Jews, 12,775.

Religious Bodies	Divisions	Number of Clergy 1893.	Number of Adherents according to the Census of 1889
Dutch Reformed Ch. . . . .	1 synod, 10 provincial districts, 44 classes, and 1,347 parishes . . . . .	1,605	2,194,649 10,299 370 199
Walloon Church . . . . .			
English Presbyterian Church . . . . .			
Scotch Church . . . . .			
Various Protestant bodies (9) . . . . .	262 churches . . . . .	285	522,608
Roman Catholic Ch. . . . .	1 archbishopric, 4 bishoprics; 1,034 churches . . . . .	2,390	1,596,482
Jansenists . . . . .	1 archbishopric, 2 bishoprics. 26 churches . . . . .	27	7,687
Jews . . . . .	12 districts, 177 churches . . . . .	138	97,324

Belonging to other religious bodies, or of unknown creed, were 82,366 persons.

## Instruction.

Public instruction (primary) is given in all places where needed, but education is not compulsory nor necessarily free ; religious convictions are respected.

From the beginning of this century elementary schools have been more or less under State regulation and inspection. In 1806, and more expressly in 1848, secular instruction was separated from religious or sectarian instruction. Elementary education is now regulated by the Primary Instruction Act, passed in 1857, supplemented by an Act of 1878, and again considerably altered by the Act of December 1889. By the last Act public instruction is diminished and a greater share in the education of the youths left to private instruction, which is now supported by the State. According to the regulations of the present Act the cost of public primary instruction is borne jointly by the State and the communes, the State contributing to the salaries of the teachers and being responsible for 25 per cent. to the costs of founding or purchasing schools.

The following table is taken from the Government returns for 1892-93 :—

Institutions	Number	Teaching Staff	Pupils or Students
Universities (public) <sup>1</sup> . . .	4	166	2,972
Classical Schools . . . . .	29	432	2,519
Secondary Day and Evening Schools. . . . .	38	423	5,005
Navigation Schools . . . . .	11	58	473
Middle Class Schools . . . . .	73	943	8,048
Polytechnicum . . . . .	1	24	264
Elementary Schools :			
Public . . . . .	2,993	13,421	466,910
Private . . . . .	1,331	5,559	205,378
Infant Schools :			
Public . . . . .	133	800	23,858
Private . . . . .	858	2,550	80,517

<sup>1</sup> Leiden, Utrecht, Groningen, Amsterdam.

Besides the schools named in the table, there is a great number of special schools—viz., agricultural (1), horticultural (2), deaf and dumb (3) and blind (1) schools, 1 school for philology, geology, and demography of the East Indies (for the Indian Civil Service), several military schools, a national Academy of Art, a royal school of music, a national normal school for drawing teachers, several technical schools and normal schools for the training of teachers. Since 1880 there is also a private university, with 81 students in 1892-93.

	1889	1890	1891	1892
	£	£	£	£
On Primary Education—				
The Government spent.	364,542	364,300	461,308	488,142
The Communes spent . . .	568,601	575,055	645,816	707,772
On Normal Schools were spent in all . . . . .	89,654	83,801	81,706	85,611
The total expenses for Edu- cation were :—				
For the State . . . . .	578,583	587,583	692,666	741,167
For the Communes . . . . .	710,333	719,833	793,250	860,167

Of the conscripts called out in 1892, 5·4 per cent. could neither read nor write, the percentage being highest in Drenthe, 8·9. Of the total number of children from 6 to 12 years (school age) on 31 December, 1892, 10 per cent. received no elementary instruction. In 1884 it was 12·70.

### Justice and Crime.

Justice is administered by the High Court of the Netherlands (Court of Appeal), by 5 courts of justice, by 23 district tribunals, and by 106 cantonal courts; trial by jury is unknown in Holland.

The number of penal sentences pronounced was :

	By the Cantonal Courts	District Tribunals	Courts of Justice	High Court
1885	67,583	15,079	497	230
1891	69,104	15,750	807	252
1892	77,585	17,422	888	290
1893	75,536	16,305	931	283

The number of persons convicted was :—

	By the Cantonal Courts		By the District Tribunals	
	Male	Female	Male	Female
1887	60,153	5,990	15,212	2,050
1891	61,943	7,679	15,339	2,089
1892	71,538	8,373	17,042	2,215
1893	75,012	8,713	17,917	2,137

The number of prisons in 1893 was 31, of houses of detention 45. The number of inmates in the prisons at the end of 1893 was 2,103 males and 173 females; in the houses of detention, 695 males and 57 females. There are also 3 State-work-establishments specially for drunkards, beggars and vagabonds. The number of inmates was, at the end of 1893, 3,581.

Children under 16 years are placed, if necessary, in the 3 State reformatories; they numbered in 1893 425 boys and 95 girls.

There are both State and communal police. The State police consists of field-constables and cavalry. The former are spread over the country, the latter guard the frontiers (eastern and southern).

The cavalry police (*maréchaussée*) numbers about 17 officers and 767 men. There are about 783—appointed and paid by the Government—field-constables, divided into 107 brigades. Besides each commune has its own field-constables or police force.

### Pauperism.

The relief of the poor is largely effected by the religious societies and organised private charity. The State does not interfere, except when no relief is to be obtained from private charity; in that case the pauper must be supported by the commune where he is living. The communes grant small subsidies to the private societies; there is no poor rate in the Netherlands. Mendicity and vagabondage are treated as a crime, and persons so convicted can be placed in a State-work establishment. Workhouses for the poor are found in many communes.

The number of poor relieved, either temporarily or continuously, during the year 1891 was 248,751 or 5·38 per cent. of the total population. In 1890 it was 5·34 per cent.; in 1889 5·08 per cent., in 1888 5·12 per cent.; in 1887 5·13 per cent.; in 1885 211,520, or 4·94 per cent.; in 1884, 209,797, or 4·96 per cent.; in 1883, 214,516, or 5·13 per cent. The average number in the years 1877-81 was 209,875.

**Finance.**

The revenue and expenditure in five years were:—

**REVENUE.**

Year	Ordinary	Extraord. (loans, &c.)	Total
	Guilders	Guilders	Guilders
1889	122,780,333	1,800,000	124,580,333
1890	124,487,805	41,450,106	165,937,911
1891	129,450,298	713,175	130,163,473
1892	131,115,706	570,000	131,685,706
1893	126,458,401	290,000	126,748,401

**EXPENDITURE.**

Year	Defence	Debt	Public Works	General	Total
	Guilders	Guilders	Guilders	Guilders	Guilders
1889	33,443,780	32,731,093	14,337,892	43,586,255	124,099,020
1890	33,031,970	34,018,172	54,583,939	45,052,333	166,686,414
1891	36,229,284	34,113,746	13,408,446	47,202,957	130,954,433
1892	35,783,384	56,444,208	11,366,319	48,447,353	152,041,264
1893	38,171,279	36,649,430	12,465,307	48,157,077	135,443,093

The budget estimates of revenue and expenditure for the years 1895 (October) and 1894 (October) were as follows:—

Branches of Expenditure	1894	1895	Sources of Revenue	1894	1895
	Guilders	Guilders		Guilders	Guilders
Civil list . . . .	804,000	821,000	Direct taxes:—		
Legislative body and Royal cabinet	666,872	667,860	Land tax . . . .	11,740,000	11,910,000
Department of Foreign Affairs . .	784,929	795,380	Personal . . . .	11,611,000	11,712,000
Department of Justice . . . .	5,364,574	5,419,147	Patents <sup>1</sup> . . . .	1,456,000	—
Department of Interior . . . .	12,860,117	13,224,423	Tax on capital <sup>2</sup> . .	6,800,000	6,870,000
Department of Marine . . . .	15,619,355	15,413,487	Tax on incomes from trades, professions, &c. <sup>2</sup> .	3,067,000	4,523,000
Department of Finance . . . .	19,031,217	19,146,235	Excise duties . . .	41,950,000	42,395,000
Department of War	22,323,776	21,982,662	Indirect taxes . .	19,677,000	19,815,000
Department of Public Works, &c. . .	22,052,550	22,182,529	Import duties . . .	5,761,000	5,811,250
Department of Colonies . . . .	1,431,075	1,502,585	Tax on gold and silver . . . .	215,815	214,820
Public Debt . . . .	35,055,359	35,188,310	Domains . . . .	2,335,000	2,355,000
Contingencies . . . .	50,000	50,000	Post office . . . .	7,570,000	7,895,000
			Telegraph service .	1,363,000	1,336,500
			State lottery . . .	661,500	661,500
			Shooting and fishing licences . .	132,000	130,000
			Pilot dues . . . .	1,400,000	1,400,000
			Dues on mines . . .	4,515	5,175
			State railways . .	3,950,000	3,950,000
			Miscellaneous receipts . . . .	8,569,895	7,327,630
Total expenditure	136,034,827	136,393,618	Total revenue . . .	123,263,725	128,311,870

<sup>1</sup> Abolished in 1893.<sup>2</sup> These taxes were introduced in 1893.

The share of the direct taxes, excise, indirect taxes, and customs duties in the revenue for five years 1889–93 was:—

Year	Direct Taxes	Excise	Indirect Taxes	Customs Duties
	Guilders	Guilders	Guilders	Guilders
1889	27,610,382	44,136,909	24,056,939	5,282,966
1890	28,212,782	43,550,730	23,998,658	5,711,952
1891	28,479,008	44,223,364	25,884,255	5,801,238
1892	28,600,816	44,527,474	27,463,005	5,776,407
1893	32,312,930	43,208,403	19,938,942	5,840,051

The amount of these taxes per head of the population was, in 1893, 21·40 guilders.

The expenditure of the 'Department for the Colonies' entered in the budget estimates only refers to the central administration. There is a separate budget for the great colonial possessions in the East Indies, voted as such by the States-General. The financial estimates for the year 1895 calculated the total revenue at 126,751,614 guilders, with an expenditure of 136,789,600 guilders. The expenditure of 1895 is distributed between the colonies and the mother country in the following proportions:—

Administrative and other expenses in the colonies	Guilders	113,540,379
Home Government expenditure		23,249,221
Total expenditure		136,789,600

In the budget for 1895 the national debt is given as follows:—

—	Nominal Capital	Annual Interest
<b>Funded Debt</b>	Guilders	Guilders
2½ per cent. debt . . . . .	626,008,900	15,650,222
3 " " " " . . . . .	93,412,250	2,802,368
3½ " " "redeemable ditto . . .	1,470,000	12,862
3½ " " "debt of 1886 and 1891 . .	375,446,900	13,154,366
5 " " "debt of appropriated . . .	294,000	14,847
6 " " "railway. . . . .	2,719,693	166,624
<b>Total . . . . .</b>	<b>1,099,351,743</b>	<b>31,801,289</b>
Floating debt . . . . .	—	50,000
Annuities . . . . .	—	61,620
Paper money . . . . .	15,000,000	—
Sinking fund . . . . .	—	3,275,400
<b>Total debt . . . . .</b>	<b>1,104,351,743</b>	<b>35,188,309</b>

The following table shows the interest and sinking fund for the last six years:—

Year	Interest	Sinking Fund	Year	Interest	Sinking Fund
	Guilders	Guilders		Guilders	Guilders
1893	31,463,972	5,185,458	1890	31,485,559	2,539,941
1892	31,519,317	24,923,052	1889	30,340,321	2,390,800
1891	31,239,303	2,872,545	1888	30,437,866	5,164,400

During the years 1850–1894, 292,739,242 guilders have been devoted to the redemption of the public debt.

The rateable annual value of buildings was given at 114,488,000 guilders in 1893, and of land, 96,233,000 guilders. The total debt (1893) amounts to 1,122,200,443 gld. or 19*l.* 15*s.* 2*d.* per head, and the annual charge to 12*s.* 5*d.* The total real property of the Netherlands in 1892 was estimated by the Minister of Finance at 7,700 million francs; the total amount of personal wealth, estimated from the declared inheritances, has been put at 14,300 million francs; the total wealth would thus be 22,000 million francs, or 880,000,000*l.* sterling.

The various provinces and communes have their own separate budgets; the provincial expenditure for 1894 was estimated at 4,799,500 guilders: the special communal expenses in 1892 amounted to 72,412,000 guilders, whereof 13,864,000 guilders for debt. The communal revenues were, in 1892, 77,670,000 guilders.

## Defence.

### I. FRONTIER.

The Netherlands are bordered on the south by Belgium, on the east by Germany. On the former side the country is quite level, on the latter more hilly; the land frontier is open all round. These frontiers are defended by few fortresses. The most effective means of defending the Netherlands consists in piercing the dykes, and inundating a great stretch of land between the Zuiderzee and the river, the Lek. The few roads lying above the level of the water are guarded by fortresses connected with each other; the river can be defended by gunvessels, if necessary. A large part of the province of Utrecht, besides North and South Holland, with the principal towns, is thus secured.

### II. ARMY.

The army of the Netherlands, according to the regulations of a law of 1861, is formed partly by conscription and partly by enlistment, the volunteers forming the stock, but not the majority of the troops. The men drawn by conscription, at the age of nineteen, have to serve, nominally, five years; but really only for twelve months, meeting afterwards for six weeks annually for practice, during four years. Besides the regular army, there exists a militia—'schutterij'—mainly for internal defence, divided into two classes. The first, the 'active militia' (dienstdoende), exists in communes of 2,500 inhabitants and more; in the others there is a 'resting' (rustende) militia. All men from 25 to 30 belong to the militia, from 30 to 35 to the

reserve. The militia is subdivided into three parts (bans): (1) the unmarried men and widowers without children; (2) the married men and widowers with few children, who are supposed not to be absolutely necessary for their family or the exercise of their profession; (3) the married men and widowers with children belonging to the militia. The militia numbers 2 per cent. of the population. Besides this there is the 'landstorm,' consisting of all capable of bearing arms, and the 'Society of Sharpshooters,' corresponding somewhat to the English 'Volunteers.'

The regular army on footing of war consisted on July 1, 1894, of 46,841 infantry, 3,349 cavalry, 1,632 engineers, 15,967 artillery; in all, about 69,000 men, including special services, but excluding officers.

In peace the total number of the army was, on the same date in 1894, only 19,750 men and about 1,821 officers.

Included in the infantry are 1 regiment of guards, and 8 regiments of the line; there are 3 regiments of cavalry, 1 battalion of sappers and miners, 3 regiments of field artillery, 4 of fortress artillery, 1 corps of light-horse artillery, 1 corps of pontooneers, and 1 corps of torpedoists (see under COLONIES).

### III. NAVY.

The Navy is maintained for a double purpose—viz. the protection of the Dutch waters and coast, and the defence of the East Indian possessions. These latter contribute to the maintenance of that division of it known as the Indian Marine. The fleet, built and building, consists of six sea-going turret and barbette rams (ranging between 3,400 and 5,200 tons), which may be ranked as armoured cruisers; 22 small port and local defence rams, monitors, and armoured gunboats; a large number of small unprotected cruisers and gunboats, and a torpedo-flotilla; besides guard, training, and special service vessels. The estimates for 1895 are 15,413,487 fl., being an increase of 207,648 fl. Three powerful protected cruisers are to be laid down (3,900 tons) of a type new to the Netherlands Marine, but resembling our *Latona* and *Astræa* classes. Classified according to the system adopted in this book (see Introductory Table), the effective floating strength of the Netherlands, including the 3 cruisers alluded to and the Indian Marine, may be thus stated:—

Port Defence Ships	. . . . . 22	Torpedo-craft, 1st Class	6	} . 23
Cruisers, 1st Class (a) None	} . 6	"	2nd Class 14	
" " (b) 6		"	3rd Class <sup>1</sup> 3	
" 2nd Class	. . . . . 8			—
" 3rd Class (a) 8	} . 76			135
" " (b) 68				

<sup>1</sup> Also 20 less than 80 feet in length

The following is a complete list of the armour-clad fleet of the Netherlands. The first six are sea-going vessels ; the rest are purely for local defence.

—	Displacement, or Tonnage	Armour Thickness at water-line	Heaviest Guns		Indicated Horse-power	Nominal Speed—Knots
			Number	Calibre		
		inches		centimètres		
Koning der Nederlanden . .	5,400	8	{ 4	28 }	5,400	11·9
			{ 4	12 }		
Prins Hendrik .	3,375	4½	{ 4	23 }	2,000	12·1
Koningin Wilhelmina .	4,600	9½ (turret)	{ 4	12 }		
			{ 2	28 & 21 }	5,900	17·0
			{ 2	17 }		
Evertsen . .	3,400	6	3	21 & 15	—	20·0
Kortenaer . .	„	„	„	„	—	„
Piet Hein . .	„	„	„	„	—	„
Stier . .	2,069	6	1	28	2,257	12·4
Schorpioen . .	2,175	6	1	28	2,225	12·0
Buffel . .	2,198	6	1	28	2,000	12·4
Guinea . .	2,378	6	1	28	2,000	12·2
Reinier Claeszen	2,490	5	2	21 & 17	2,400	16·5
Draak . .	2,156	8	2	28	807	8·5
Matador . .	1,935	5½	2	28	691	7·5
Luipaard . .	1,525	5½	1	28	680	7·3
Hijena . .	1,566	5½	1	28	654	7·3
Panter . .	1,566	5½	1	28	650	7·3
Haai . .	1,566	5½	1	28	672	7·3
Wesp . .	1,566	5½	1	28	744	7·3
Krokodil . .	1,530	5½	1	28	630	8·0
Heiligerlee . .	1,530	5½	1	28	630	8·0
Tijger . .	1,414	5½	1	28	684	9·5
Cerberus . .	1,530	5½	1	28	617	8·0
Bloedhond . .	1,530	5½	1	28	680	8·0
Rhenus . .	367	5	2	12	310	7·5
Isala . .	367	5	2	12	306	7·5
Mosa . .	367	5	2	12	400	7·5
Merva . .	367	5	2	12	395	7·5
Vahalis . .	340	4	2	7, 5	243	6·0

The navy was officered on Jan. 1, 1894, by 2 vice-admirals, 4 rear-admirals ('schouten-bijnacht'), 25 captains, 35 commanders, 352 lieutenants, 203 midshipmen, besides engineers, surgeons, &c., and about 6,000 seamen. The marine infantry consists of about 60 officers, and about 2,200 non-commissioned officers and privates. Both seamen and marines are recruited by enlistment, conscription being allowed, but not actually in force.

## Production and Industry.

### I. AGRICULTURE.

The surface of the Netherlands was divided in 1888 (latest available statistics) as follows (in hectares, 1 hectare=2·47 acres):—Uncultivated land (heath), 712,514; water and morass, 126 868; dykes and roads, 44,309; untaxed land, 92,453; building land, houses, &c., 37,850. According to the sta-



tistics of 1892 there were : land under culture, 854,723 ; pasture, 1,153,084 ; gardens and orchards, 55,554 ; forest, 227,450. Total, 3,304,805 h.a.

Large estates prevail in the provinces of Zealand, South Holland, Groningen, and North Holland ; small estates in North Brabant, Guelders, Limburg, and Overijssel.

In 1892 the number of estates was :—

Under 5 hectares	From 5 to 10 hectares	From 10 to 20 hectares	From 20 to 40 hectares	From 40 to 75 hectares	From 75 to 100 hectares	Above 100 hectares
77,743	34,192	29,916	18,389	6,324	466	211

45·50 per cent. of all estates being held by farmers, and 54·50 per cent. by the owners. In 1888 the percentage was 41·5 and 58·5.

The total number of cattle in 1892 was 1,528,400 ; of horses, 271,200 ; of sheep, 752,200 ; and of pigs, 968,300.

The areas under the principal crops, in hectares, were as follows :—

—	1892	1891	1890	1889	1888	Average, 1871-80
Wheat . . .	74,216	85,583	84,841	85,376	84,655	86,421
Rye . . .	200,633	183,506	203,598	202,971	202,435	196,112
Winter barley . . .	27,218	19,547	28,489	28,878	29,758	26,667
Summer barley . . .	16,363	25,706	13,749	15,515	15,214	21,034
Oats . . .	126,408	152,709	115,052	114,967	114,097	113,627
Potatoes . . .	152,064	149,584	145,460	148,219	148,968	135,310
Buckwheat . . .	38,148	43,563	44,853	46,425	46,941	65,135
Beans . . .	41,437	44,477	36,195	36,129	36,670	36,814
Peas . . .	24,075	28,009	26,601	25,166	25,489	16,493
Rapeseed . . .	7,542	2,249	8,216	5,220	5,292	12,690
Flax . . .	12,183	14,433	16,312	17,070	16,024	18,530
Beetroot . . .	24,582	22,531	28,100	23,588	21,925	13,904
Tobacco . . .	584	657	892	1,107	1,282	1,676
Madder . . .	560	408	394	567	727	2,295

The mean yield of these products was, per hectare, in hectolitres (1 hecto-  
litre = 2·75 bushels) :—

—	1892	1891	1890	1889	1888	Average, 1871-80
Wheat . . .	25·5	21·1	22·5	26·7	21·8	22·0
Rye . . .	21·8	15·9	19·2	19·6	17·2	17·3
Winter barley . . .	44·0	37·5	37·1	42·8	35·6	39·0
Summer barley . . .	34·1	32·7	29·7	31·0	28·9	28·8
Oats . . .	41·8	42·7	40·5	41·0	38·7	38·3
Potatoes . . .	218·0	107·0	130·0	155·0	110·0	136·0
Buckwheat . . .	12·8	12·8	12·9	18·1	14·4	17·4
Beans . . .	21·9	25·9	24·9	25·2	25·1	21·7
Peas . . .	21·2	16·3	18·9	27·9	19·7	20·5
Rapeseed . . .	25·5	20·5	28·2	25·2	22·2	21·3
Flax (kilo.) . . .	420·0	415·0	415·0	546·0	445·0	476·0
Beetroot „ . . .	30,165·0	18,680·0	26,050·0	32,790·0	17,100·0	26,260·0
Tobacco „ . . .	2,140·0	1,655·0	1,815·0	2,409·0	1,969·0	2,247·0
Madder „ . . .	2,395·0	2,090·0	2,945·0	2,513·0	2,550·0	2,500·0

The value of imports and exports of the leading agricultural products in 1892 and 1891 was as follows (in guilders) :—

—	1892		1893	
	Imports	Exports	Imports	Exports
Wheat . . .	85,830,000	55,606,000	86,019,000	59,936,000
Flour wheat and rye . . .	36,735,000	7,670,000	41,848,000	9,842,000
Rye . . .	35,415,000	16,420,000	46,481,000	20,245,000
Barley . . .	15,884,000	8,838,000	25,850,000	14,100,000
Oats . . .	2,714,000	4,453,000	13,450,000	12,260,000
Potatoes . . .	584,000	733,000	122,000	845,000
Potato-flour . . .	1,521,000	8,163,000	3,713,000	13,340,000
Buckwheat . . .	3,015,000	750,000	1,456,000	543,000
Flax . . .	1,458,000	18,154,000	1,703,000	16,796,000
Beetroot . . .	82,000	1,358,000	94,000	1,480,000

The import of bulbs, shrubs, and trees was valued for 1893 at 278,000 gl., the export at 5,032,000 gl. ; for 1892, 312,000, and 5,295,000 gl. ; vegetables at 1,273,000 gl. import and 23,481,000 gl. export in 1893, and 1,340,000 and 21,235,000 gl. in 1892.

## II. MINING.

A few coal mines are found in the province of Limburg; they belong to the State. The quantity of coal extracted in 1893 was 60,296,000 kilos., valued at 272,408 gl. ; clear revenue, 96,329 gl. ; part of the State, 20,664 gl.

## III. FISHERIES.

In 1893, 4,902 vessels of all kinds were engaged in the fisheries, with crews numbering about 16,700. The produce of the herring fishery in the North Sea was valued at 5,048,606 guilders. The total number of oysters produced in 1893 amounted to 15,790,000 ; one-third part of it exported to England.

## IV. MANUFACTURES.

There are no official returns of the manufacturing industries. According to the last reports there were, in 1893, 502 distilleries, 11 sugar refineries, 30 beet-sugar manufactories, 51 salt works, 505 breweries, 99 vinegar manufactories, and 3 wine manufactories.

The total number of manufactories which made use of steam-engines at the end of 1893 was 3,911 ; the number of engines, 4,627.

## Commerce.

The Netherlands is a free-trading country. A few duties are levied, but they have only a fiscal, not a protectionist character. The duties amount usually to 5 per cent. of the value of manufactured articles, and *nihil* or only 2½ per cent. if these articles are used for the industries of the country.

No official returns are kept of the value of the general trade, but only of the weight of the goods. The growth of the total commerce of the Netherlands may be seen from the fact that in

1872 the total imports were estimated at 6,451 million kilogrammes, and the exports at 2,956 millions ; while in 1893 the former were 16,378 million kilogrammes, and the latter 9,599 millions, exclusive of goods in transit.

The following are the estimates of the imports for home consumption and the exports of home produce for five years :—

Year	Imports	Exports
	Guilders	Guilders
1889	1,245,287,000	1,094,078,000
1890	1,299,750,000	1,087,532,000
1891	1,356,058,000	1,140,473,000
1892	1,284,194,000	1,133,931,000
1893	1,408,723,000	1,116,618,000

The values of the leading articles of import and export in 1892–1893 were (in thousands of guilders) :—

—	Imports, 1892	Exports, 1892	Imports, 1893	Exports, 1893
Iron and steel of all kinds	120,682	76,015	122,219	75,547
Textiles, raw and manu- factured . . . . .	97,653	126,055	130,513	161,332
Cereals and flour . . . . .	176,578	92,978	213,648	116,383
Coal . . . . .	42,720	2,425	44,418	3,729
Rice . . . . .	37,698	11,212	46,240	12,089
Mineral oil . . . . .	8,750	164	9,162	164
Coffee . . . . .	31,734	19,155	35,013	19,932
Butter . . . . .	2,277	9,643	1,917	13,003
Margarine (raw & eatable)	23,170	55,899	23,923	54,229
Sugar . . . . .	43,285	47,279	37,866	43,842
Cheese . . . . .	86	10,331	90	10,541
Drugs . . . . .	176,064	135,889	181,569	145,926
Gold and silver . . . . .	15,057	4,223	20,627	3,638
Vegetables . . . . .	1,340	21,235	1,273	23,481
Wood . . . . .	29,404	16,149	28,470	15,773
Skins . . . . .	19,319	20,135	21,397	19,738
Indigo . . . . .	7,645	7,181	7,446	5,878
Copper . . . . .	38,978	19,550	48,562	40,978
Paper . . . . .	3,268	20,911	3,299	20,486
Soot, grease, tallow, suet .	19,147	4,823	15,233	3,926
Saltpetre . . . . .	14,458	12,299	17,409	16,702
Zinc . . . . .	10,134	8,534	10,144	8,971
Tobacco . . . . .	7,810	3,699	8,834	3,635
Tin . . . . .	12,692	10,976	15,188	12,304
Colours (painters' wares) .	10,570	9,584	11,103	10,741
Flax . . . . .	1,458	18,154	1,703	16,796
Seeds (colza, linseed, &c.)	22,298	8,143	34,485	9,010

The following table shows the value of the imports and exports of the great classes of products in 1892 and 1893 (in 1,000 gl.) :—

—	Imports		Exports	
	1892	1893	1892	1893
Food products . . . . .	332,350	378,578	300,486	329,882
Raw materials . . . . .	239,889	292,669	153,985	207,931
Manufactured products . . . . .	197,161	206,872	227,841	236,196
Miscellaneous . . . . .	302,573	322,104	206,371	214,285

For the last five years the returns were, in millions of kilogrammes :—

Year	Total Imports	Total Exports	Re-exports	Transit
1889	13,849	7,643	424	1,948
1890	14,612	8,298	468	2,028
1891	15,877	8,616	520	2,386
1892	15,711	9,009	625	2,713
1893	16,378	9,599	697	2,650

The following table shows the value of the trade with the leading countries for the last five years, in millions of guilders :—

—	1889	1890	1891	1892	1893	Percentage 1893
Imports for home consumption from—						
Prussia . . . . .	242·0	247·1	250·6	249·3	258·8	18·4
Great Britain . . . . .	297·4	283·6	270·3	266·5	263·8	18·7
Belgium . . . . .	176·6	195·2	186·1	184·3	175·6	12·5
Dutch East Indies . . . . .	142·6	159·5	225·1	177·2	193·0	13·7
Russia . . . . .	112·7	112·1	119·2	38·5	88·8	6·3
United States of America . . . . .	76·0	98·4	92·5	148·9	155·1	11·0
British India . . . . .	29·8	38·0	42·0	41·9	53·4	3·8
France . . . . .	22·5	24·2	22·5	20·9	20·1	1·4
Hamburg . . . . .	25·2	21·2	18·4	19·6	17·5	1·2
Exports to—						
Prussia . . . . .	477·2	498·5	532·2	487·2	534·2	47·8
Great Britain . . . . .	284·7	270·5	295·8	325·8	256·3	22·9
Belgium . . . . .	140·1	148·0	149·7	160·4	167·9	15·0
United States of America . . . . .	22·2	23·7	20·7	23·3	21·8	1·9
Dutch East Indies . . . . .	69·1	53·2	63·6	62·5	57·1	5·1
Hamburg . . . . .	19·0	17·3	18·1	15·1	15·5	1·4
France . . . . .	10·9	10·8	8·8	9·0	10·0	0·8
Italy . . . . .	8·7	10·8	4·6	4·7	6·0	0·5
Russia . . . . .	17·4	5·5	3·6	3·1	5·9	0·5

In the Netherlands the statistics give sometimes the real, sometimes the official, value of goods. For goods liable to an *ad valorem* import duty and for some articles duty-free, the importer has to declare the real value according to the current prices of the day; in case of disagreement, the fiscal authorities may acquire the goods at the declared value increased 10, 11, or 12 per cent. To other goods the official values, unchanged since 1862, are applied. Every declaration of imports and of exports is, in principle, subject to verification, but in fact only those relating to goods subject to duty are checked. Returns are made out in gross weight, in net weight (with deduction of an official tare), in number or in value according to the nature of each case. When goods are imported or exported by river the neighbouring country is always regarded as the country of origin or of destination: thus imports really from France are attributed to Belgium. When transport is by sea, generally the real country of origin is given; thus Spanish wines are set down as from Spain, unless they have been imported first into some other country, in which case they are attributed to that country.

The total value of the imports from the Netherlands into Great Britain, and of the exports of British and Irish produce to the Netherlands, in each of the last five years is shown in the table following, according to the Board of Trade returns:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from Netherlands.	26,679,216	25,900,924	27,301,657	28,820,921	28,851,490
Exports of British produce to Netherlands . .	9,704,264	10,121,160	9,463,300	8,836,020	9,248,678

The principal articles of import into the United Kingdom from the Netherlands in the year 1893 were: Butter, 763,897*l.*; margarine, 3,416,497*l.*; living animals (horses), 48,798*l.*; cheese, 676,001*l.*; gin, 56,728*l.*; sugar, 1,839,163*l.*; iron and steel goods, 1,067,062*l.*; woollen manufactures, 3,007,272*l.*; cotton manufactures, 977,283*l.*; leather and leather goods, 1,053,341*l.*; enumerated also as imports from the Netherlands into Great Britain, in the official returns, are silk manufactures of various kinds, chiefly stuffs and ribbons, 1,969,991*l.* in 1893, but these must be considered as principally goods in transit, coming from the Rhenish provinces of Prussia, the seat of the German silk industry. The principal articles of British home produce exported to the Netherlands in the year 1893 were cotton goods, and yarn, of the value of 2,397,077*l.*; iron, wrought and unwrought, of the value of 665,549*l.*; woollen-yarn and manufactures, of the value of 1,827,044*l.*; and machinery, 487,198*l.* A considerable amount of these British imports are not for consumption in the Netherlands, but pass in transit to Germany.

### Shipping and Navigation.

The number of vessels belonging to the mercantile navy at the end of 1893 was:—

Sailing vessels 442, of 118,590 English tons; steamers 154, of 176,646 English tons.

The following table gives the number and tonnage (in English measurement) of vessels which entered and cleared the ports of the Netherlands:—

<i>Entered.</i>						
Year	With Cargoes		In Ballast		Total	
	No.	Tonnage	No.	Tonnage	No.	Tonnage
1889	8,517	5,044,155	665	176,888	9,182	5,221,043
1890	8,711	5,257,243	764	188,913	9,475	5,446,156
1891	8,802	5,591,653	563	127,627	9,365	5,719,280
1892	8,729	5,732,488	638	201,919	9,367	5,934,407
1893	8,519	6,014,460	659	252,756	9,178	6,267,216
<i>Cleared.</i>						
1889	5,842	2,952,882	3,070	2,191,590	8,912	5,144,472
1890	5,931	3,007,497	3,272	2,383,444	9,203	5,390,941
1891	5,799	3,085,168	3,463	2,594,196	9,262	5,689,364
1892	6,364	3,488,851	2,925	2,422,617	9,289	5,911,468
1893	6,392	3,676,290	2,678	2,478,354	9,070	6,154,644

Of the total number in 1893, 2,722 Dutch vessels entered with a tonnage of 1,835,136, and 6,456 foreign vessels with a tonnage of 4,432,080; 2,779 Dutch vessels cleared, with a tonnage of 1,834,428, and 6,291 foreign vessels with a tonnage of 4,320,216.

The vessels with cargoes which entered at the chief ports were as follows:—

<i>Entered</i>						
Port	1892			1893		
	Number	Tons.	per cent.	Number	Tons.	pr. cent.
Rotterdam	4,078	2,945,634	51·3	4,068	3,229,896	53·9
Amsterdam	1,488	1,026,246	17·8	1,394	1,009,608	16·8
Flushing .	897	724,638	12·6	906	729,240	12·1
<i>Cleared</i>						
Rotterdam	2,830	1,640,436	46·9	2,640	1,635,834	44·5
Amsterdam	1,048	656,582	19·1	1,079	686,672	19·0
Flushing .	890	731,364	20·9	886	697,380	19·0

The number of Dutch vessels engaged in the carrying trade between foreign ports was, in 1892, 2,310, with a tonnage of 1,446,798. The coasting trade is of no importance.

### Internal Communications.

#### I. CANALS AND RAILWAYS.

The length of navigable water (canals excluded) is about 3,000 miles.

The total extent of the canals is 1,907,170 miles; of roads, 17,473 miles.

In 1892 the total length of the tramway lines was 648 miles; 39,226,000 passengers were carried, and 232,609,600 kilogrammes of goods. Their revenue amounts to 4,306,000 guilders.

The total outlay upon the State railways up to 1893 was 264,766,000 guilders.

In 1893 the railways had a length of 1,653 miles, whereof the State owned 872 miles, and private companies the remainder.

Year	Revenue (guilders)	Expenditure (guilders)	Goods carried (kilogrammes)	Passengers carried
1889				
State Railway Co. .	13,788,000	6,766,000	4,531,000,000	6,202,000
Private railway cos.	14,033,000	7,595,000	3,786,000,000	13,248,000
1890				
State Railway Co. .	14,872,000	7,833,000	4,715,000,000	6,664,000
Private railway cos. <sup>1</sup>	12,431,000	7,300,000	2,376,000,000	10,306,000
1891				
State Railway Co. .	19,674,000	18,382,000	5,673,000,000	11,178,000
Private railway cos.	12,548,000	9,834,000	2,724,000,000	11,007,000
1892				
State Railway Co. .	19,743,000	18,896,000	5,890,000,000	11,129,000
Private railway cos.	12,733,000	10,195,000	2,399,000,000	11,545,000
1893				
State Railway Co. .	19,926,000	18,048,000	6,159,000,000	11,231,000
Private railway cos.	13,805,000	10,946,000	2,969,000,000	12,308,000

<sup>1</sup> In 1890 one of the private companies was appropriated by the State.

## II. POST AND TELEGRAPHS.

The postal traffic was as follows in the years named :—

	Letters	Post Cards	Newspapers and Printed Matter	Parcels	Letters with Money Orders
1889					
Internal .	50,711,000	24,672,510	78,752,000	3,341,861	958,137
Foreign .	16,182,000	3,785,849	7,541,046	370,941	676,843
1890					
Internal .	50,850,000	26,569,738	83,496,000	3,480,506	980,327
Foreign .	16,519,000	4,077,776	7,580,000	394,445	687,003
1891					
Internal .	50,917,000	28,364,552	86,227,000	3,598,159	1,003,965
Foreign .	16,998,000	4,164,436	8,593,000	432,565	739,656
1892					
Internal .	52,861,000	29,020,601	95,593,000	3,592,755	1,034,608
Foreign .	17,589,000	4,389,798	9,530,000	474,742	803,579
1893					
Internal .	52,609,000	31,075,826	100,428,000	3,707,825	1,112,891
Foreign .	18,875,000	4,832,720	9,913,000	582,578	820,735

The receipts of the Post Office in 1893 were 7,386,149 guilders, the expenditure 6,021,215 guilders.

There are several private telegraph lines, but most of the lines are owned by the State. The length of State lines on Dec. 31, 1893, was 3,442 miles, the length of wires 12,354 miles. The number of State offices was, on December 31, 1893, 484. The number of paid messages by State lines in 1893 was 4,391,065. The receipts of the State amounted in the same year to 1,397,367 guilders, and the ordinary expenses to 1,905,877 guilders.

### Money and Credit.

The money in general circulation is chiefly silver. Before 1875 the Netherlands had the silver standard; but a bill which passed the States-General in the session of 1875 allowed an unrestricted coinage of ten-guilder pieces in gold, whereas the coinage of silver was suspended for an unlimited time.

The total circulation was valued as follows :—

Jan. 1	Silver, &c.	Gold	Paper money issued by the State	Paper money issued by the Bank	Total
	1,000 guilders	1,000 guilders	1,000 guilders	1,000 guilders	1,000 guilders
1890	60,985	24,366	11,577	213,810	310,738
1891	60,544	24,255	14,486	204,940	303,225
1892	57,649	24,056	14,750	203,288	299,743
1893	53,995	23,773	13,960	197,547	289,275
1894	58,153	23,594	14,347	201,809	297,903

Value of money minted during the following years (in thousands of guilders) :—

Year	Gold	Silver	Copper	For the East India Colonies	Total value	Total number of pieces (in thousands)
1840-70	—	372,235	—	17,939	390,078	1,282,681
1871-80	74,300	97,325	1,220	—	172,649	146,433
1881-90	4,030	1,433	840	2,660	8,955	111,768
1892	—	3,900	50	—	3,950	11,300
1893	—	400	—	1,000	1,400	9,800

State Banks are unknown. The Bank of the Netherlands is a private institution, but it is the only one which has received the right of issuing bank-notes, by a bill of 1863, for a period of 25 years, in 1888 prolonged for 15 years, with continuation for 10 years if the contract is not broken by one of the parties two years before the beginning of a new period. The Bank does the same business as other banks, only with more guarantees. Two-fifths of the paper money in circulation must be covered. It has agencies in all places of importance.

Year	Notes in Circulation March 31	Total Exchanges March 31	Stock of Gold in July	Stock of Silver in July
	1,000 guilders	1,000 guilders	1,000 guilders	1,000 guilders
1890	208,449	299,822	61,720	65,620
1891	194,680	320,117	47,050	69,140
1892	189,125	345,278	38,580	85,480
1893	193,452	353,516	33,790	85,090
1894	200,029	364,540	54,270	83,660



The capital amounts to 20,000,000 guilders, the reserve fund to 5,000,000 guilders. The Bank keeps the State-Treasury and the cash of the State Postal Savings-Bank. It receives 5 per cent. of the clear gains; the remainder is divided between the State and the Bank.

Besides the Bank of the Netherlands there are 13 private banks. Their subscribed capital was, at the end of 1893, 6,836,633 guilders, the value of deposits 15,763,544 guilders.

There are many savings-banks, all private. Besides these there is a State postal savings-bank, established in 1881. The following table gives some particulars of both :—

Year	Number of Savings Banks	Amount deposited (in 1,000 gldrs.)	Amount withdrawn (in 1,000 gldrs.)	Total Deposits at end of year (in 1,000 gldrs.)	Number of Depositors at end of year	Amount per inhabitant
1890						
Private banks .	256	16,161	15,929	61,545	301,928	13·48 gl.
State P. S. B.		12,973	9,739	21,250	281,870	4·65 ,,
1891						
Private banks .	255	15,724	16,687	62,370	311,599	13·49 ,,
State P. S. B.		13,559	11,367	24,014	319,106	5·20 ,,
1892						
Private banks .	246	15,526	15,704	57,267	294,105	12·26 ,,
State P. S. B.		15,370	12,473	27,562	358,483	5·90 ,,
1893						
State P. S. B.		17,651	13,726	32,247	401,046	6·81 ,,

## Money, Weights, and Measures.

### MONEY.

The standard coin is the 10-florin piece weighing 6·720 grammes, ·900 fine, and thus containing 6·048 grammes of fine gold. The unit of the silver coinage is the florin, weighing 10 grammes, ·945 fine and containing 9·45 grammes of fine silver.

Gold is legal tender, and the silver coins issued before 1875.

The principal coins are :—

The *gulden*, *guilder*, or *florin* of 100 cents. = 1 sh. 8d. ; or 12 g. = £1.

The *rijksdaalder* = 2½ guilders.

The gold-piece of ten guilders.

½ guilder, ¼ guilder (*kwartje*), 1/10 guilder (*dubbeltje*), 1/20 guilder (*stuivertje*).

Cent coins are : 1 cent, ½ cent, and 2½ cents.

### WEIGHTS AND MEASURES.

The metric system of weights and measures, and, with trifling changes, the metric denominations are adopted in the Netherlands.

## Diplomatic and Consular Representatives.

### 1. OF THE NETHERLANDS IN GREAT BRITAIN.

*Envoy and Minister.*—Baron van Goltstein van Oldenaller.

*Secretary.*—Baron Schimmelpenninck van der Oye.

*Chancellor.*—H. N. Brouwer.

*Consul-General in London.*—J. W. May.

Netherlands Consular representatives are at the following places in the United Kingdom :—

Aberdeen.	Dundee.	Limerick.	Plymouth.
Belfast.	Glasgow.	Liverpool.	Portsmouth
Birmingham.	Gloucester.	London.	(Southampton).
Bradford.	Grangemouth.	Londonderry.	Ramsgate.
Bristol.	Hartlepool.	Lowestoft.	Sunderland.
Cardiff.	Harwich.	Manchester.	Swansea.
Cork.	Hull.	Newcastle.	Weymouth.
Dover.	Leith.	Newport.	Yarmouth.
Dublin.			

### 2. OF GREAT BRITAIN IN THE NETHERLANDS.

*Envoy and Minister.*—Sir Horace Rumbold, Bart., G.C.M.G. ; accredited June 5, 1888.

*Secretary.*—G. D. Bland

British Consular representatives are placed in the following places in the Netherlands :—

Amsterdam.	The Hague.	Neuzen.
Brouwershaven.	Harlingen.	Rotterdam.
Dordrecht.	Helder.	Terneuzen.
Flushing.	Hellevoetsluis.	Texel.
Groningen.	Maassluis.	

## Colonies.

The colonial possessions of the Netherlands, situated in the East Indies and the West Indies, embrace an area of about 783,000 English square miles. The total population, according to the last returns, was, approximately, 34,000,000, or about seven times as large as that of the mother country.

### DUTCH EAST INDIES.

The Dutch possessions in Asia, forming the territory of Dutch East India (Nederlandsch Oost Indie), are situated between 6° N. and 11° S. latitude, and between 95° and 141° E. longitude.

In 1602 the Dutch created their East India Company. This Company conquered successively the Dutch East Indies, and ruled them during nearly two centuries. After the dissolution of the Company in 1798 the Dutch possessions were governed by the mother-country.

### Government and Constitution.

Politically, the territory, which is under the sovereignty of the Netherlands, is divided in (1) Lands under direct government ; (2) Vassal lands ; (3) Confederated lands.

With regard to administration, the Dutch possessions in the East Indies are divided into residencies, divisions, regencies, districts, and dессas (villages). They are also very often divided into: (1) Java and Madura; (2) the Outposts—Sumatra, Borneo, Riau-Lingga Archipelago, Banca, Billiton, Celebes, Molucca Archipelago, the small Sunda Islands, and a part of New Guinea.

Java, the most important of the colonial possessions of the Netherlands, was formerly administered, politically and socially, on a system established by General Johannes Graaf Van den Bosch in 1832, and known as the 'culture system.' It was based in principle on the officially superintended labour of the natives, directed so as to produce not only a sufficiency of food for themselves, but a large quantity of colonial produce best suited for the European market. That 'culture system' comprised the forced labour of the natives employed in the cultivation of coffee, sugar, indigo, pepper, tea, tobacco, and other articles. At present, the labour of the natives is only required for the produce of coffee, which is sold by the Government partly in the colonies, but mostly in the Netherlands. By the terms of a bill which passed the Legislature of the Netherlands in 1870, the forced cultivation of the sugar-cane is now totally abolished.

The whole of Java—including the neighbouring island of Madura—is divided into twenty-two provinces, or residencies, each governed by a Resident, assisted by several Assistant-Residents (except the Resident of one of these provinces, Krawang, who has no Assistant-Resident), and a number of subordinate officials, called Contrôleurs. All these functionaries must have gone through an examination previous to their appointment by the Government. The Resident and his assistants exercise almost absolute control over the province in their charge; not, however, directly, but by means of a vast hierarchy of native officials. There is a regular and unceasing personal intercourse between the native chiefs and the Contrôleurs, who act as the immediate agents of the Resident. The native officials receive either salaries or percentages on the amount of the taxes gathered from the natives. In the 'Outposts' the 'culture' system has never been introduced, except in the province of Sumatra, west coast, and in the Residency of Menado (island of Celebes), where also the labour of the natives is required for the produce of coffee. These Outposts are administered by functionaries with the titles of 'Governor,' 'Resident,' 'Assistant-Resident,' 'Contrôleur,' &c.

The superior administration and executive authority of Dutch India rests in the hands of a Governor-General. He is assisted by a Council of five members, partly of a legislative, partly of an advisory character. The members of the Council, however, have no share in the executive.

*Governor-General.*—*Jhr. C. H. A. van der Wyck*, appointed July 15, 1893.

The Governor-General represents not only the executive power of government, but he has a right of passing laws and regulations for the administration of the colony, so far as this power is not reserved to the legislature of the mother-country. But he is bound to adhere to the constitutional principles on which the Dutch Indies are governed, and which are laid down in the 'Regulations for the Government of Netherlands India,' passed by the King and States-General of the mother-country in 1854.

### Area and Population.

The following table gives the area and population of Java—including Madura—and of the Outposts:—

—		Area : English square miles	Population at the end of 1892
Java and Madura . . . . .		50,554	24,284,969
Island of Sumatra	{ Sumatra, West Coast . . . . .	31,649	1,262,838 <sup>1</sup>
	{ Sumatra, East Coast . . . . .	35,312	229,500 <sup>2</sup>
	{ Benkulen . . . . .	9,399	158,643 <sup>2</sup>
	{ Lampongs . . . . .	11,284	131,023 <sup>1</sup>
	{ Palembang . . . . .	53,497	664,800 <sup>1</sup>
	{ Atjeh . . . . .	20,471	525,579 <sup>2</sup>
Riau-Lingga Archipelago . . . . .		16,301	83,000 <sup>2</sup>
Banca . . . . .		4,446	58,313 <sup>1</sup>
Billiton . . . . .		1,863	28,293 <sup>1</sup>
Borneo, West Coast . . . . .		55,825	382,758 <sup>2</sup>
Borneo, South and East Districts . . . . .		156,912	864,360 <sup>3</sup>
Island of {	Celebes . . . . .	49,390	1,450,400 <sup>3</sup>
	Celebes { Menado . . . . .	22,080	542,567 <sup>3</sup>
Molucca Islands . . . . .		43,864	370,918 <sup>2</sup>
Timor Archipelago . . . . .		17,698	37,500 <sup>4</sup>
Bali and Lombok . . . . .		4,065	1,339,600 <sup>3</sup>
New Guinea to 141° E. long. <sup>5</sup> . . . . .		151,789	200,000 <sup>3</sup>
Total . . . . .		736,400	32,617,000 <sup>6</sup>

<sup>1</sup> Tolerably accurate.

<sup>2</sup> Approximately.

<sup>3</sup> Mere conjecture.

<sup>4</sup> Without the non-Christianised natives.

<sup>5</sup> New Guinea belongs to the residency of Ternate, Molucca Islands.

<sup>6</sup> Approximate total. The population of several unexplored countries is not included.

The total number of Europeans and persons assimilated to them at the beginning of 1892 was 32,066 males and 25,816 females; of these 29,778 males and 25,227 females were Dutch, of whom 23,536 males and 22,482 females were born in the East Indies; of the remainder, 1,118 were German, 253 French, 218 English, 200 Swiss; the remainder being mostly Belgians, Austrians, and Africans. Of the remaining population about 445,000 were Chinese, 23,000 Arabs, and 26,700 other Orientals, and about 32,000,000 natives.

The movement of population between Europeans and persons assimilated to them, by marriages, births, and deaths, was as follows:—

—		Marriages	Per1,000	Births	Per1,000	Deaths	Per1,000
1888	{ Java and Madura . . . . .	380	9·0	2,211	52·3	1,560	36·9
	{ Outposts . . . . .	62	5·6	568	59·6	394	41·3
1889	{ Java and Madura . . . . .	389	8·9	2,116	48·6	1,453	33·2
	{ Outposts . . . . .	83	7·2	531	45·8	465	40·1
1890	{ Java and Madura . . . . .	423	9·2	2,157	46·7	1,403	30·5
	{ Outposts . . . . .	78	6·5	683	57·2	439	36·7
1891	{ Java and Madura . . . . .	429	9·2	2,135	45·8	1,673	35·9
	{ Outposts . . . . .	78	6·7	665	57·2	443	38·0
1892	{ Java and Madura . . . . .	469	10·0	2,296	49·0	1,408	30·0
	{ Outposts . . . . .	74	6·3	595	51·1	382	32·8

The European population<sup>1</sup> of the three principal towns of Java was, in 1892, Batavia, 8,613; Samarang, 3,732; Soerabaya, 6,000.

The whole population of Java is legally divided into Europeans and persons assimilated with them, and natives and persons assimilated with these. The former are generally living under the same laws as the inhabitants of the mother-country, while in the jurisdiction of the latter the Indian customs and institutions are considered. The division of the whole population into these two classes is a fundamental principle in the policy of the administration, and enacted in the code specifying the limits and conditions for legislation in Dutch East India. The Governor-General, however, is, in agreement with the Council, authorised to make individual exceptions on this rule.

### Religion.

According to the terms of the regulations for the government of Netherlands India, entire liberty is granted to the members of all religious confessions. The Reformed Church counts 34 ministers and 25 assistants, the Roman Catholic 26 curates and 18 priests, not salaried out of the public funds. The number of Christians among the natives and foreign Orientals was :—

In Java and Madura in 1873	.	5,673,	and in 1892 (1 Jan.)	17,620
„ the Outposts	„ „	. 148,672	„ „	. 258,228

In 1892, 97 missionaries of various societies were working to propagate Christianity in the Dutch East Indies. In the same year 7,466 natives went to Mekka on pilgrimage, whereof 5,069 returned.

### Instruction.

For the education of Europeans and persons assimilated with them there were in 1892, 7 middle schools, with 604 pupils. The cost of these schools to the Government in the same year was 463,783 guilders, and the revenue out of the school fees 69,501 guilders.

In 1892 there were for Europeans 121 mixed public elementary schools, and 29 for girls only, with 19 private schools, or a total of 169 elementary schools. The 150 public schools had a teaching staff of 484, and an attendance of 13,072 pupils, and the 19 private schools a teaching staff of 115, and an attendance of 2,652 pupils. The cost of the public elementary schools was, in 1892, 2,112,930 and the income 231,829 guilders.

The following statement relates to schools for natives :—

In 1892 Dutch India had 6 normal schools, with 33 teachers and 235 pupils; besides there were 4 schools for sons of native chiefs, with 220 pupils.

The elementary schools for natives were, for Java and Madura, in 1875: 104 Government schools, with 14,906 pupils, and 132 private schools, with 6,978 pupils; and in 1892, 203 Government schools with 35,495 pupils, and 154 private schools with 14,801 pupils. In the Outposts in 1881, 281 Government schools with 19,437 pupils, and 205 private schools with 10,696 pupils; and in 1891, 315 Government schools with 38,495 pupils, and 395 private schools with 18,678 pupils. In 1892 there were in Java and Madura 96 private schools subventioned with 10,161 pupils, and 83 non-subventioned

<sup>1</sup> Of the Chinese and other Orientals no statistics have been taken since 1887.

with 4,640 pupils. In 1875 the Government spent 803,906 guilders for the education of natives, and in 1892 1,089,597 guilders.

For foreign Orientals there were in 1892 about 356 schools with 6,252 pupils. The total of Mohammedan schools (religious) at Java and Madura was in 1892, 18,202, with 264,216 pupils, and in 1886 17,388 schools with 231,871 pupils.

### Justice and Crime.

The administration of justice is based on the principle that Europeans and persons assimilated with them are subject to laws nearly similar to those of the mother-country, while the natives are subject to their own customs and institutions. The administration of justice for Europeans is entrusted to European judges, while for natives their own chiefs have a large share in the trial of cases.

There is a High Court of Justice at Batavia—courts of justice at Batavia, Samarang, Soerabaya, Padang, and Makassar—Resident and Regent courts, courts of circuit, district courts, and courts of priests.

The number of natives condemned for serious crimes in 1891 was 14,687; for police offences, 11,326; while it was in 1882, 11,701 and 6,667. There are more than 300 prisons; their population was 28,815 at the end of 1891.

The relations of the State to pauperism are limited to subvention to Protestant and Catholic orphan-houses; 101,228 guilders is set down in the budget for 1895.

### Finance.

The local revenue is derived from land, taxes on houses and estates, from licences, customs duties, personal imposts, the Government monopolies of salt and opium, railways, and a number of indirect taxes. But the chief part of the large profits is indirect, being obtained by the sale of a vast amount of coffee, grown under the 'culture system,' and sold in India and Europe.

The following table shows the revenue and expenditure for 1870, 1880, and 1889-93 :—

Year	Revenue	Expenditure	Surplus or Deficit
	Guilders	Guilders	Guilders
1870	123,525,000	115,765,000	+ 7,760,000
1880	146,838,000	146,936,000	- 98,000
1889	132,332,000	129,133,000	+ 3,199,000
1890	137,789,482	127,736,739	+ 10,052,743
1891	116,396,932	130,638,830	- 14,241,898
1892	127,268,214	135,993,166	- 8,724,952
1893	135,626,289	127,574,832	+ 8,051,457

The percentage of the different sources of revenue is shown in the following table :—

Year	Taxes	Monopolies <sup>1</sup>	Products <sup>2</sup>	Other Receipts	Total
1889	34·9	19·8	34·3	11·0	100
1890	33·0	19·4	34·5	13·1	100
1891	41·1	23·6	21·4	13·9	100
1892	37·2	21·5	26·7	14·6	100
1893	36·2	19·3	31·3	13·2	100

<sup>1</sup> Opium and salt.

<sup>2</sup> Coffee, cinchona, tin, and coal.

The total revenue, according to the budget estimates for 1895, is 126,751,614 guilders, and the expenditure 136,789,600 guilders, showing a deficit of 10,037,986 guilders.

The sources of revenue were stated as follows in the budget for the year 1895 :—

	Guilders
Receipts in the Netherlands from sales of Government coffee (11,370,432 guilders), cinchona (143,550 guilders), tin (5,325,127 guilders), railways (890,000 guilders), share of the State in the profits of the Biliton Company (400,000 guilders), various (1,088,534 guilders), total . . . . .	19,217,653
Receipts in India from sales of opium (17,668,000 guilders), import, export, and excise duties (15,235,000 guilders), land revenues (18,549,750 guilders), sales of coffee in Java, &c. (9,177,600 guilders), sales of salt (8,557,000 guilders), railways (8,683,000), from all other sources (29,663,611 guilders).	107,533,961
Total revenue . . . . .	126,751,614

About one-third of the annual expenditure is for the army and navy, and another third for the general administration, both in Java and in the Netherlands.

### Defence.

The army is purely colonial. At the end of 1892 the strength of the army was 1,384 officers and 33,339 sub-officers and soldiers, comprising 13,847 Europeans, 55 Africans, 2,359 Ambonians, and 17,078 natives. The number of horses was 1,191. No portion of the regular army of the Netherlands is allowed to be sent on colonial service; but individual soldiers are at liberty to enlist, by permission of their commanding officers, and they form the nucleus of the army of Dutch India. The native and European soldiers are not divided into separate corps, but generally mixed together, though in separate companies in the same battalions. The artillery is composed of European gunners, with native riders, while the cavalry are Europeans and natives.

The infantry, which is the most important branch of the army in Dutch India, is divided into field, garrison, and *dépôt* battalions. Each battalion is composed of four companies, two companies consisting of European soldiers and two of natives, or one of Europeans and three of natives. The 'half-castes' are on a footing of perfect equality with the Europeans. The whole of the commissioned officers are Europeans, with the exception of a few natives of high rank to whom honorary ranks are given; in each of the companies composed of natives, at least one-half of the non-commissioned officers must also be Europeans. A military academy is established at Meester Cornelis, near Batavia. Schools for soldiers are attached to every battalion.

Unlike the army, which is purely colonial, the navy in Dutch India is partly colonial, partly belonging to the royal navy, and its expenses are therefore borne partly by the mother-country and partly by the colony. (See 'Defence,' mother-country.) The *personnel* in the Dutch Indies numbers 3,981 men, thus divided: 1,897 Europeans and 956 natives with the Indian marine (26 ships), 832 Europeans and 282 natives with the auxiliary squadron (3 ships).

### Production and Industry.

The greater part of the soil of Java is claimed as Government property, and it is principally in the residencies in the western part of Java that there are private estates, chiefly owned by Europeans and by Chinese. The bulk of the people are agricultural labourers. The Government or private landowners can enforce one day's gratuitous work out of seven, or more, from all the labourers on their estates; in 1882 the greater part of these enforced services for the Government was abolished, in return for the payment of one guilder per head yearly. Great power is vested in the Resident and his European and native officials to enforce a strict adherence to all the laws regulating labour.

The extent of the soil of Java and Madura regularly cultivated by the natives was, in 1892, 6,308,820 acres ( $1\frac{3}{4}$  acre = 1 bahu). From 1888-92 the increase of various cultures was as follows, in acres :—

Year	Rice	Maize	Arachis	Various plants	Sugarcane	Tobacco	Indigo	Cotton	Total
1888	4,825,630	1,557,050	453,367	1,043,178	124,979	260,132	43,086	52,767	8,369,189
1889	4,810,974	1,711,227	385,045	1,033,070	124,386	191,243	42,278	28,572	8,329,795
1890	4,388,552	1,880,121	430,981	1,225,810	154,516	180,135	50,198	30,850	8,341,163
1891	4,406,566	1,704,340	460,346	1,069,694	157,797	208,428	49,392	33,939	8,090,502
1892	4,851,554	1,969,010	465,374	1,146,407	167,980	243,234	47,805	40,958	8,931,325

Owing to the 'agrarian law' (1870), which has afforded opportunity to private energy for obtaining waste lands on hereditary lease (emphyteusis) for seventy-five years, private agriculture has greatly increased in recent years, as well in Java as in the Outposts. In 1892 were ceded in Java to 594 Societies and Europeans, 775,878 acres; 46 Chinese, 31,346 acres; 1 European and Chinese, 231 acres; 4 natives, 2,572 acres—total, 810,028 acres. Since 1816 no land in Java has been alienated by the Government. The lands now the property of Europeans have an extent of 1,946,222 acres, of Chinese, 762,657 acres, and of other foreign Orientals, 36,295 acres.

The change from the Government culture of sugar to private culture is shown by the following table :—

Year	Government Estates, in acres	Private Estates of the Natives, in acres	Year	Government Estates, in acres	Private Estates of the Natives, in acres
1879	67,669	7,805	1888	19,563	50,459
1884	41,139	34,510	1890	9,611	61,941
1886	30,458	39,835	1891	4,761	62,634

In 1891 the Government ceased to cultivate sugar. The sugar is grown on lands hired from the natives, or on lands held on emphyteutic tenure from the Government, or on private properties.

The number of estates and the total yield of the sugar culture in Java was :—

Year	Estates	Total yield in lbs.	Year	Estates	Total yield in lbs.
1889	205	776,718,933	1891	211	938,548,666
1890	210	912,754,133	1892	229	930,526,933

The production of coffee in Dutch India in the years 1889-92 was, in lbs. :—



Year	Government Lands	Free Cultivation by natives	Lands on Emphyteusis and on Lease	Private Lands	Total
1889	86,319,333	17,099,867	47,583,600	2,632,133	153,634,932
1890	21,559,466	21,346,000	11,084,533	1,061,066	55,051,065
1891	57,360,800	16,358,800	40,371,466	1,564,666	115,655,733
1892	101,323,066	24,386,666	46,094,133	2,956,133	174,759,998

The production of cinchona, in kilogrammes, in Java was as follows :—

Year	Government		Lands on Emphyteusis		Private Lands	
	Plantations	Production	Plantations	Production	Plantations	Production
1888	8	370,899	81	1,362,727	3	16,888
1889	8	351,751	85	1,966,514	3	34,692
1890	8	267,281	118	2,436,375	2	26,578
1891	8	286,101	126	2,810,636	5	37,500
1892	8	308,021	112	2,793,820	6	28,944

The production of tobacco, in kilogrammes, was as follows :—

Year.	In Java.		In Sumatra (Deli, etc.).	
	Plantations.	Production.	Plantations.	Production.
1888	118	12,556,826	201	16,648,980
1889	105	9,603,743	261	16,933,038
1890	102	14,377,369	276	21,016,937
1891	84	8,156,542	170	20,536,601
1892	93	8,512,217	± 307	12,921,509

The production of tea in Java, in kilogrammes, was as follows :—1885, 2,450,585 ; 1886, 3,351,627 ; 1887, 3,297,684 ; 1888, 3,014,209 ; 1889, 3,717,137 ; 1890, 3,241,287 ; 1891, 3,331,570 ; 1892, 4,598,234.

The production of 1892 was obtained from 60 plantations.

There were 166 indigo plantations in 1891, yielding 733,852 kilogrammes of indigo ; in 1892, 169 plantations and 678,464 kilogrammes.

The production of the tin mines of Banca and Billiton delivered to the Government is shown by the following table, in lbs. :—

Years	Workmen	Total Product	Years	Workmen	Total Product
1887-8	14,870	21,631,600	1890-91	17,617	27,157,066
1888-9	15,720	19,354,400	1891-92	18,040	26,649,200
1889-9	16,846	24,796,000	1892-93	17,992	26,681,066

There were, in 1892-93, 344 mines, the produce being about equally divided between Banca and Billiton.

At the end of 1891 there were in Java in all about 2,629,900 buffaloes, 2,394,500 oxen and cows, and 536,000 horses. Horses are never used in India for agricultural purposes.

In 1892 there were 3 Government and 39 private printing-offices, 45 ice or mineral water manufacturers, 9 soap factors, 13 arak distillers, 11 saw mills, and 139 rice mills. The industrial establishments in Dutch India used, in 1892, 1,596 steam engines.

### Commerce.

No difference is made between Dutch and foreign imports and vessels. There is a tariff of 6 per cent. on certain goods; on some articles there is a small export duty, including coffee, sugar, and tobacco.

The following table shows the value of the general import and export during the years 1888–92, in guilders :—

<i>Imports</i>							
Year	Government			Private			Grand Total
	Merchandise	Specie	Total	Merchandise	Specie	Total	
1888	4,141,871	—	4,141,871	119,336,104	16,152,075	135,488,179	139,630,050
1889	5,009,445	8,000,000	13,009,445	139,914,805	20,460,521	160,375,326	173,384,771
1890	5,602,351	4,000,000	9,602,351	141,322,087	9,249,279	150,571,366	160,173,717
1891	8,147,703	1,000,000	9,147,703	157,438,304	10,844,900	168,283,204	177,430,907
1892	6,633,294	2,000,000	8,633,294	152,225,378	10,030,052	162,255,430	170,888,724
<i>Exports</i>							
1888	20,358,278	—	20,358,278	163,070,339	668,816	163,739,155	184,097,433
1889	33,072,175	—	33,072,175	164,131,047	459,392	164,590,439	197,662,614
1890	17,148,178	—	17,148,178	158,747,522	653,929	159,401,442	176,549,620
1891	22,160,395	—	22,160,395	188,668,650	13,331,725	202,000,375	224,160,170
1892	26,298,479	—	26,298,479	178,119,132	10,536,893	188,656,025	214,954,504

The principal articles of export are sugar, coffee, tea, rice, indigo, cinchona, tobacco, and tin. With the exception of rice, about one-half of which is shipped for Borneo and China, nearly four-fifths of these exports go to the Netherlands.

The subjoined table shows the value of the trade of Java with the United Kingdom, according to the Board of Trade returns, in each of the last five years :—

—	1889	1890	1891	1892	1893
Imports into U. K. from Java . . .	£ 2,233,744	£ 1,223,035	£ 1,901,961	£ 1,534,726	£ 1,352,512
Exports of British produce to Java	1,525,243	1,469,206	2,205,655	1,957,831	1,901,401

The chief and almost sole article of import into the United Kingdom is unrefined sugar; in 1882 of the value of 3,579,119*l.*; in 1890, 979,886*l.*; in 1891, 1,628,647*l.*; in 1892, 1,368,357*l.*; in 1893, 1,186,420*l.* The staple article of British home produce exported to Java is manufactured cotton; including cotton yarns, of the value of 1,303,571*l.*; machinery, of 144,663*l.*; iron, wrought and unwrought, of 66,549*l.*; coals, 52,782*l.*; woollens, 64,991*l.*; manure, 90,017*l.*, in the year 1893.

## Shipping and Communications.

The following table shows the navigation at the various ports of Netherlands India in 1891 and 1892, and the share of England in it:—

Year	—	Entered		Whereof, from England :	
		Number	Tons	Number	Tons
1891	Steamers . . .	3,258	1,300,242	393	471,528
	Sailing vessels	198	141,600	38	41,772
1892	Steamers . . .	2,989	1,184,130	363	406,038
	Sailing vessels	187	149,388	31	42,834

At the end of 1892 the total length of railways (State and private) opened for traffic was about 922 English miles ; the revenues were 11,875,308 guilders.

There are about 300 post-offices ; the number of letters carried in 1892 and 1891 for internal intercourse was 5,484,733 and 5,174,793, while 5,696,756 and 4,399,731 newspapers, samples, &c., for the interior passed through the various post-offices in the Dutch Indies during the same years. In 1892 and 1891, 1,399,111 and 1,360,673 letters were carried for foreign postal intercourse.

There were 4,249 miles of telegraph lines in Dutch India in 1892 with about 100 offices ; the number of messages was 555,983. There are 28 telephone offices.

## Money and Credit.

The 'Java Bank,' established in 1828, has a capital of 6,000,000 guilders, and a reserve of 952,916 guilders. The Government has a control over the administration. Two-fifths of the amount of the notes, assignats, and credits must be covered by specie or bullion. In December, 1893, the value of the notes in circulation was 46,164,000 guilders, and of the bank operations 15,427,000. There are two other Dutch banks, besides branches of British banks.

In the savings-banks, in 1892, there were 13,018 depositors.

## Money, Weights, and Measures.

### WEIGHTS AND MEASURES.

The <i>Amsterdamsch Pond</i> .	=	1.09 lb. avoirdupois.
„ <i>Pikol</i> . . . . .	=	133½ „ „
„ <i>Catty</i> . . . . .	=	1½ „ „
„ <i>Tjengkal</i> . . . . .	=	4 yards

The only legal coins, as well as the weights and measures, of Dutch India are those of the Netherlands.

## Consular Representatives.

*British Consul at Batavia.*—S. R. Lankester.  
*Vice-Consul at Samarang.*—F. C. Bouhote.  
*Vice-Consul at Sourabaya.*—A. J. Warren.

### DUTCH WEST INDIES.

The Dutch possessions in the West Indies are (a) *Surinam*, or *Dutch Guiana*, and (b) the colony *Curaçao*.

#### Dutch Guiana or Surinam.

Dutch Guiana or Surinam is situated on the north coast of S. America, between 2° and 6° N. latitude, and 53° 50' and 58° 20' E. longitude, and bounded on the north by the Atlantic Ocean, on the east by the river Marowijne, which separates it from French Guiana, on the west by the river Corantyn, which separates it from British Guiana, and on the south by inaccessible forests and savannas to the Turmechumee Mountains.

At the peace of Breda, 1667, Surinam was assured to the Netherlands in exchange for the colony New Netherlands in North America, and this was confirmed by the treaty of Westminster of February, 1674. Since then Surinam has been twice in the power of England, 1799 till 1802, when it was restored at the peace of Amiens, and in 1804 to 1816, when it was returned according to the Convention of London of August 13, 1814, confirmed at the peace of Paris of November 20, 1815, with the other Dutch colonies, except Berbice, Demerara, Essequibo, and the Cape of Good Hope.

The superior administration and executive authority of Dutch Guiana is in the hands of a governor, assisted by a council consisting of the governor as president, the attorney-general as vice-president, and three members, all nominated by the King. The Colonial States form the representative body of the colony. Four members are chosen every year by the governor; the others by electors in proportion of one in 200 electors.

Dutch Guiana is divided into sixteen districts and numerous communes.

The area of Dutch Guiana is 46,060 English square miles. At the end of 1892 the population was 61,088, exclusive of the negroes living in the forests. The capital is Paramaribo, 29,131 inhabitants.

According to the terms of the regulation for the government of Dutch Guiana, entire liberty is granted to the members of all religious confessions.

At the end of 1892 there were: Reformed and Lutheran, 9,162; Moravian Brethren, 24,092; Roman Catholic, 10,383; Jews, 1,184; Mohammedans, 2,061; Hindus, 6,603, etc.

There were, in 1892, 19 public schools with 1,911 pupils, and 26 private schools with 4,417 pupils. Besides these elementary schools, there are a normal school and a central school of the Moravian Brethren for training teachers and of the Roman Catholics.

There is a court of justice, whose president, members, and recorder are nominated by the Sovereign. Further, there are three cantonal courts and two circuit courts.

The relations of Government to pauperism are limited to subventions to orphan-houses and other religious or philanthropical institutions.

The local revenue is derived from import, export, and excise duties, taxes on houses and estates, personal imposts, and some indirect taxes. A subvention from the mother-country is necessary. The revenue and expenditure in the last three years, in guilders, were:—

—	Expenditure	Local Revenue	Subvention
1892	1,734,000	1,573,000	161,000
1893	1,830,000	1,477,000	353,000
1894	1,857,000	1,565,000	292,000

In 1892 the militia ('Schutterrij') consisted of 27 officers and 373 men, the civic guard of 57 officers and 1,163 men, and the garrison of 20 officers and 386

men. The navy consists of a few guard ships, with some vessels of the royal navy.

In 1892 sugar was produced on 14 plantations of 1,602 hectares to the amount of 7,592,269 kilogrammes; cacao on 112 plantations and 543 small properties of 11,599 hectares to the amount of 1,617,695 kilogrammes. The other productions were bananas, 547,207 bundles; coffee, 7,552 kilogrammes; rice, 24,176 kilogrammes; corn, 206,331 kilogrammes; rum, 520,076 litres; and melasse, 1,536,393 litres.

For gold mining were granted, at the end of 1892, 315 concessions, comprising 322,015 hectares. In that year the export of gold was 1,078,966 grammes, valued at 1,478,163 guilders. This export was: to the Netherlands, 817,756 grammes; to Great Britain, 132,270 grammes. The declared value since the beginning of the gold industry (1876) to the end of 1892 is 15,980,791 guilders.

In 1892 there entered 215 vessels of 79,000 tons, whereof 103 with 16,508 tons British, and cleared 214 ships of 78,000 tons, whereof 99 with 16,312 tons British. The following table shows the value of the imports and exports during the years 1888-92:—

Year	Imports	Exports
1888	4,346,840 guilders	3,316,377 guilders
1889	4,893,355 „	3,521,867 „
1890	5,366,258 „	4,272,692 „
1891	5,873,335 „	3,994,616 „
1892	5,238,401 „	3,851,187 „

In 1893 the imports into the United Kingdom from the Dutch West Indies, including Curaçao, were valued at 19,387*l.*; and exports from the United Kingdom of British produce or manufacture to the Dutch West Indies, 107,122*l.*

The colonial savings-bank had, at the end of 1892, a balance of 358,628 guilders, of which 189,283 guilders belonged to immigrated coolies.

The communication between several districts of the colony is carried on by vessels and small steamers.

In 1892 were sent off 91,174 letters, 2,058 postcards, 109,400 prints, and 1,716 samples; and received 80,588 letters, 2,303 postcards, 228,803 prints, and 3,545 samples.

*British Consul at Paramaribo.*—Sidney J. A. Churchill.

### Curaçao.

The colony of *Curaçao* consists of the islands *Curaçao*, *Bonaire*, *Aruba*, *St. Martin* (as far as it belongs to the Netherlands), *St. Eustache*, and *Saba*, lying north from the coast of Venezuela.

	Square Miles	Population Dec. 31, 1892
Curaçao . . . .	210	27,254
Bonaire . . . .	95	4,053
Aruba . . . . .	69	7,888
St. Martin <sup>1</sup> . . . .	17	4,023
St. Eustache . . . .	7	1,633
Saba . . . . .	5	1,926
	403	46,777

Only the southern part belongs to the Netherlands, the northern to France.

The colony is governed by a Governor, assisted by a Council composed of the Attorney-General and three members, all nominated by the Sovereign.

There is also a Colonial Council consisting of the members of the Council and eight members nominated by the Sovereign. The different islands of the colony, except Curaçao, are placed under chiefs called 'gezaghebbers,' nominated by the Sovereign.

At the end of 1892 there were 37,280 Roman Catholics, 7,308 Protestants, 1,021 Jews. The number of schools was 27, with 4,735 pupils. At the same period the number of prisoners was 45.

The revenue is derived from import, export, and excise duties, taxes on land, and some indirect taxes. In the Budget for 1894 the revenue is estimated at 687,000, and the expenditure also at 687,000 guilders; the difference, if there is any, is supplied by the mother-country.

The militia (Schutterij) of the Isle of Curaçao consisted at the end of 1892 of 26 officers and 375 men; the garrison of 9 officers and 239 men. A vessel of the royal navy is always cruising and visiting the different islands.

The imports in Curaçao in 1892 were valued at 3,434,987 guilders; the exports (excluding Curaçao) at 348,262 guilders. The chief produce are maize, beans, pulse, cattle, salt, and lime.

There entered the different islands in 1892, 2,813 vessels of 440,300 English tons. In 1892, 116,107 letters and 193,979 newspapers arrived, and 104,360 and 145,961 were despatched.

*British Consul at Curaçao.*—J. Jesurun.

## Statistical and other Books of Reference concerning the Netherlands and its Colonies.

### 1. OFFICIAL PUBLICATIONS.

#### (1) *The Netherlands.*

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

Bijdragen tot de algemeene Statistiek van Nederland. Jaargang 1889. 's Gravenhage.

Foreign Office Reports. Annual Series. London.

Gerechtelijke Statistiek van het Koninkrijk der Nederlanden. 's Gravenhage, 1893.

Jaarcijfers over 1893 door de Centrale Commissie voor de Statistiek.

Report by Mr. Sydney Locoek, Secretary of Legation, on land laws and landed property, dated The Hague, December 20, 1869; in 'Reports from H.M.'s Representatives respecting the Tenure of Land in the several Countries of Europe.' Part I. Fol. London, 1870.

Statistiek van het Gevangeniswezen. 1893.

Staatsalmanak voor het Koninkrijk der Nederlanden. 1894. Met matehtiging van de regering uit officiele opgaven zamengesteld. 's Gravenhage.

Staatsbegrooting voor het dienstjaar 1895. 's Gravenhage.

Statistiek van den in-, uit- en doorvoer over 1893.

Statistiek van den Handel en de Scheepvaart van het Koninkrijk der Nederlanden. 's Gravenhage, 1893.

Uitkomsten der 7e tienjaar! : volkstelling van 1889-90 in het koninkrijk der Nederlanden. 's Gravenhage, 1891.

Verslag der Nederlandsche Bank. 1893.

Verslag van den Raad v Toezicht op de Spoorwegdiensten over 1893.

Verslag van den Staat der hogere, middelbare en lagere scholen over 1893.

Verslag van den Staat der Nederlandsche Zeevisscherijen over 1893. 4. 's Gravenhage.

Verslag van den Landbouw in Nederland over 1887, 1888, and 1889, opgemaakt op last van den Minister van Handel en Nijverheid. 8. 's Gravenhage. 1892.

Verslag der Maatschappy tol Expl. van Staatsspoorwegen over 1893.

Verzameling van Consulaire en andere Berigten en Verslagen over Nijverheid, Handel en Scheepvaart. Uitgegeven door het Ministerie van Buitenlandsche Zaken. Jaargang 1893. 4. 's Gravenhage.

(2) *Colonics.*

Algemeen verslag van den staat van het middelbaar en lager onderwijs voor europeanen en met dezen gelijkgesteld in N.I. over 1892. Batavia, 1893.

Algemeen vijfjarig verslag van het inlandsch onderwijs in N.I. over 1873-1877 (Batavia, 1880), en over 1878-1882 (Batavia, 1885).

Begroeting van Ned. Indië voor 1895.

Holland. East Indies. Colonial Possessions. Admiralty, Naval Intelligence Department. London, 1888.

Jaarcijfers voor 1892 door de Centrale Commissie voor de Statistiek.

Jaarboek van het mijnwezen in Nederlandsch Oost-Indië. Uitgegeven op last van Z. Exc. den Minister van Koloniën. 1888. Amsterdam, 1889.

Koloniaal Verslag van 1893. 's Gravenhage, 1894.

Naamregister van Nederlandsche-Indië voor 1893. Batavia.

Regerings-Almanak voor Nederlandsch-Indië. 1894. Batavia.

Report for 1893 on the Finances of Netherlands-India in No. 1,168; Trade of Java in 1,190, of Pamararibo in 1,307, of Foreign Office Reports, Annual Series. London, 1893.

Résumé van het onderzoek naar de rechten van den inlander op den grond op Java en Madoera. Batavia. 1890.

Verslag van den dienst der Staats spoorwegen op Java over 1892. Batavia, 1893.

Verslag over het jaar 1891, samengesteld door de Kamer van koophandel en nijverheid te Batavia. Batavia, 1892.

2. NON-OFFICIAL PUBLICATIONS.

(1) *The Netherlands.*

Algemeene Statistiek van Nederland. Uitgegeven door de Vereeniging voor de Statistiek in Nederland. S. Leiden, 1869-82.

*Baedeker's* Handbook for Belgium and Holland. London, 1891.

*Ditchfield* (P. H.), The Church in the Netherlands. S. London, 1892.

*Doughty* (H. M.), Friesland Meres. 3rd ed. S. London, 1890.

*Havard* (H.), In the Heart of Holland. (Eng. Trans.) S. London, 1880.

*Heusden* (A. van), Handboek der aardrijkskunde, staatsinrigting, staatshuishouding en statistiek van het koninkrijk der Nederlanden. S. Haarlem, 1877.

Jaarcijfers over 1893 en vorige jaren, omtrent Bevolking, Landbouw, Handel, &c. Uitgegeven door de Vereeniging voor de Statistiek in Nederland.

*Loos* (D. van), Organisation de l'enseignement secondaire dans le Royaume des Pays-Bas. Leenwarden, 1894.

*Motley* (J. L.), The Rise of the Dutch Republic. 3 vols. S. London, 1858.

*Motley* (J. L.), History of the United Netherlands. 4 vols. London, 1869.

*Murray's* Handbook for Holland and Belgium. S. London.

*Rogers* (J. E. T.), Holland. In "Story of the Nation" Series. S. London, 1886.

Staatkundig en staathuishoudkundig Jaarboekje. Uitgegeven door de Vereeniging voor de Statistiek in Nederland. S. Amsterdam.

*Wood* (C. W.), Through Holland. S. London, 1877.

(2) *Colonics.*

Aardrijkskundig en statistisch woordenboek van Ned. Indië. Amsterdam, 1861.

*Almeida* (W. B. d'), Life in Java. 2 vols. S. London, 1864.

*Bickmore* (H. S.), Travels in the East Indian Archipelago. S. London, 1868.

*Boel* (H. J.), Regeringsreglement van Ned. Indië. Zalt-Bommel, 1876.

*Boys* (H. S.), Some Notes on Java and its Administration by the Dutch. S. Allahabad, 1892.

De indische Gids. Leiden, 1893

*De Jonge* (Jhr. M. J. K. J.), De Opkomst van het Nederlandsch gezag over Java II.—VII. The Hague, 1869-75.

*De Louter* (Dr. J.), Handleiding tot de kennis van het staats- en administratiefrecht van Ned. Indië. 's Gravenhage, 1884.

*Derenter* (Jsz., S. van), Bijdragen tot de kennis van het Landelijk Stelsel op Java, op last van Z. Exc. den Minister van Koloniën J. D. Franssen van de Putte bijeenverzameld.

S. Zalt-Bommel, 1865.

*Forbes* (Mrs. H. O.), Insulinde. S. London.

*Gorkom* (van), De Oost-Indische Cultures in betrekking tot handel en nijverheid. Amsterdam, 1881

*Haga* (A.), Nederlandsch Nieuw Guinea en de Papoesche Eilanden. 2 vols. Batavia, 1884.

*Hellwald* (Fr. Von), Das Colonialsystem der Niederländer in Ostindien. 8. Leipzig, 1873.

*Hollander* (Dr. J. T. de), Handleiding bij de beoefening van de Taal-, Land- en Volkenkunde van Ned. Indie. Breda, 1883.

*Idem*, Borneo's Wester-afdeeling. Zalt-Bommel, 1854.

*Hugronje* (Dr. Snouck), De Atjehers. Batavia, 1894.

Jaarcijfers over 1892 en vorige jaren omtrent de kolonien. Uitgegeven door de Vereeniging voor de Statistiek in Nederland.

*Keuchenius* (Dr. L. W. C.), Handelingen betreffende het reglement op het beleid der regering van Nederlandsch Indie. 3 vol. Utrecht, 1857.

*Money* (J. W. B.), Java, or, How to Manage a Colony; showing a practical solution of the questions now affecting British India. 2 vols. 8. London, 1861.

*Palgrave* (W. G.), Dutch Guiana. 8. London, 1876.

*Powell* (F. B. S. B.), In Savage Isles and Settled Lands. 8. London, 1892.

*Rectus* (Elisée), Universal Geography. Vol. XIV. London, 1890.

Tijdschrift van het koninklijk instituut voor taal-, land- en volkenkunde van Nederlandsch-Indië. 's Gravenhage, 1852-94.

*Veth* (Prof. P. J.), Java: geographisch, ethnologisch, historisch. Haarlem. 3 vols. 1875-84.

Verslag der Javasche Bank over 1892-93.

*Wallace* (Alfred Russel), The Malay Archipelago. 8. London, 1869.

*Worsfold* (W. B.), A Visit to Java. 8. London, 1893.



## NICARAGUA.

(REPÚBLICA DE NICARAGUA.)

### Constitution and Government.

THE Constitution of the Republic of Nicaragua was proclaimed on August 19, 1858. It vests the legislative power in a Congress of two Houses, the upper called the Senate, comprising 18 members, and the lower, called the House of Representatives, 21 members. Both branches of the Legislature are elected by universal suffrage, the members of the House of Representatives for the term of four, and those of the Senate for six years. The executive power is with a President elected for four years.

*President of the Republic.*—General Santos *Zelaya*, for the term 1894-98.

The President exercises his functions through a council of responsible ministers, composed of the four departments of Foreign Affairs and Public Instruction ; Finance ; Interior, Justice, War, and Marine ; Public Works.

The active army consists of 2,000 men, with a reserve of 10,000 men, and a militia or national guard of 5,000.

### Area and Population.

The area of the Republic is estimated at 49,500 English square miles, and the population (1889) 282,845 (136,549 males, 146,596 females) or including uncivilised Indians 312,845, giving about 7 inhabitants per square mile. The great mass of the population consists of aboriginal 'Indians,' mulattoes, negroes, and mixed races, and the number of Europeans and their descendants is very small and on the decrease. There are few towns, and the chief occupation of the inhabitants is the rearing of cattle, carried on in a rude fashion. The old capital of the Republic is the city of Leon, ten miles from the Pacific, surrounded by five active volcanoes, and partly in ruins ; its population is 25,000. At present the seat of government is the town of Managua, situated on the southern border of the great lake of the same name, with about 18,000 inhabitants.

### Instruction.

According to an official statement of 1887 there were 251 schools with 11,914 pupils. There are, besides, two higher schools for boys and one for girls.

### Finance.

In 1892 the revenue was 1,764,037 dollars, and the expenditure 2,983,576 dollars. Two-thirds of the total annual revenue are derived from Government monopolies on spirits, tobacco, and gunpowder, and the remainder chiefly from import duties and a tax on slaughtered cattle. The expenditure is principally for the maintenance of an army of 2,000 men, and the payment of interest on the public debt.

The public debt consists of the internal debt, amounting in 1892 to 2,742,565 dollars, and a loan raised in London in 1886 for 285,000*l.* in 6 per cent. bonds, with a mortgage on the 93 miles of railway controlled by the State as well as on the customs revenue.

### Industry and Commerce.

There are about 400,000 head of cattle in the Republic, and there is a large export of hides.

The culture of bananas is extending, as is also the coffee industry. In 1888-90 197,864 quintals; in 1890-91, 113,000 quintals of coffee were produced. The total area under coffee is estimated (1892) at 38,000 manyanas (1 manyana=nearly two acres).

There are (1891) in the Republic 109 mines, worked by American companies. In nearly all of these gold is found mixed with silver; in a few, silver mixed with copper.

In the year ending June 30, 1889, the total imports amounted (in currency) to 2,536,820 pesos; 1890, 3,327,007 pesos; 1891, 2,738,500 pesos; 1892, 6,006,806 pesos; exports, 1889, 3,162,683 pesos; 1890, 3,834,137 pesos; 1891, 2,376,500 pesos. The chief article of export is coffee, 113,719 quintals in 1890, valued at 2,487,646 pesos; in 1893, 130,000 quintals. Of the imports in 1890, the value of 995,855 pesos were from Great Britain, 597,043 pesos from North America, 531,277 pesos from France, and 495,218 pesos from Germany. Of the exports, the value of 1,169,051 pesos went to North America, 863,432 pesos to Germany, 793,249 pesos to France, and 461,634 pesos to Great Britain. The imports into the United Kingdom from Nicaragua (according to the Board of Trade Returns) amounted in 1893 to 86,077*l.*, of which 63,580*l.* was for coffee and 11,920*l.* for dye woods. The domestic exports from the United Kingdom to Nicaragua amounted to 74,222*l.*, the chief articles exported being cottons, 40,943*l.*; metals, 6,102*l.*

### Communications.

A canal has been begun to connect the Atlantic and Pacific Coasts.

There are 1,700 miles of telegraph lines in the Republic, with 59 stations. There are 91 miles of railway open in the Republic, which cost 2,700,000 dollars. One line extends from Corinto, on the Pacific, to Momotombo, 58 miles, and another from Managua, the capital, to Granada, 33 miles. Concessions have been granted for a line from San Miguellito to the head waters of the Blue River, 100 miles; for another from the Pueblos district to Masaya, 25 miles; and for a third from Momotombo to the head waters of the Rio Grande, 200 miles. The first and second concessions are accompanied with Government guarantees, and all three with large grants of land. In 1891 there were 53 post offices.

### Money, Weights, and Measures.

The system of money is the same as in Honduras, though Mexican, Chilean, Peruvian, and other South American dollars and five-franc pieces circulate freely; there is also a paper currency. From January 7, 1893, the metric system of weights and measures will be in use.

## Diplomatic and Consular Representatives.

### 1. OF NICARAGUA IN GREAT BRITAIN.

*Consul-General.*—Frederick S. Isaac.

There are Consular Representatives at London, Manchester, Liverpool, Nottingham, Birmingham, Glasgow, Southampton, Cardiff, Newport (Mon.), Brighton, Belize, Gibraltar.

### 2. OF GREAT BRITAIN IN NICARAGUA.

*Minister and Consul-General.*—Audley C. Gosling.

*Consul at Granada.*—Marshall Vaughan.

*Consul at Greytown.*—H. F. Bingham.

*Consul at Managua.*—Charles E. Nicol.

## Statistical and other Books of Reference concerning Nicaragua.

### 1. OFFICIAL PUBLICATIONS.

Report on the Trade of Nicaragua, in 'Deutsches Handels-Archiv,' for March, 1894. Berlin.

Foreign Office Reports. Annual Series. S. London.

### 2. NON-OFFICIAL PUBLICATIONS.

*Belly (N.)*, Percement de l'isthme de Panama par le canal de Nicaragua. 8. Paris, 1885.

*Belt (Thomas)*, The Naturalist in Nicaragua: a Narrative of a Residence at the Gold Mines of Chontales, &c. 8. London, 1873.

*Boyle (Frederick)*, A Ride across a Continent. 2 vols. 8. London, 1868.

*Bülow (A. von)*, Der Freistaat Nicaragua in Mittelamerika. 8. Berlin, 1849.

*Kalb (C. de)*, Nicaragua; Studies on the Mosquito Shore in 1892. American Geographical Society, 1893.

*Levy (P.)*, Notas geográficas y económicas sobre la república de Nicaragua. Paris, 1873.

*Marr (Wilhelm)*, Reise nach Centralamerika. 2 vols. 8. Hamburg, 1863.

*Pector (Desiré)*, Etude Economique sur la Republique de Nicaragua. Neuchatel, 1893.

*Scherzer (Karl, Ritter von)*, Wanderungen durch die mittelamerikanischen Freistaaten Nicaragua, Honduras und San Salvador. 8. Braunschweig, 1857.

*Squier (E. G.)*, Nicaragua, its People, Scenery, Monuments, and the proposed Inter-oceanic Canal. 2 vols. 8. London, 1852.

*Wetham (J. W. Bodham)*, Across Central America. 8. London, 1877.

## OMAN.

AN independent State in South-eastern Arabia extending along a coast line—S. E. and S. W.—of almost 1,000 miles from the Gulf of Ormuz and inland to the deserts. Area, 82,000 square miles ; population, 1,500,000. The capital, Muscat (60,000 inhabitants), was occupied by the Portuguese till the seventeenth century. After various vicissitudes it was taken in the eighteenth century by Ahmed bin Sa'eed, of Yemenite origin, who was elected Imam in 1741. His family have since ruled. The present Sultan is Seyyid Feysal bin Turki, second son of the late Seyyid Turki bin Sa'eed bin Sultan, who succeeded his father June 4, 1888, and has now been formally recognised by the British Government. In the beginning of the present century the power of the Imam of Oman extended over a large area of Arabia, the islands in the Persian Gulf, a strip on the Persian coast, and a long strip of the African coast south of Cape Guardafui, including Socotra and Zanzibar. On the death of Sultan Sa'eed in 1854 Zanzibar was detached from Oman and placed under the rule of the second son, and subsequent troubles curtailed the area of the state in Asia. The closest relations have for years existed between the Government of India and Oman, and a British Consul or Political Agent resides at Muscat. The authority of the Sultan does not extend far beyond Muscat.

The revenue of the Sultan amounts to about 200,000 dollars.

The exports in 1893-94 were valued at 1,720,320 dollars ; chiefly dates, 550,000 dollars ; cotton fabrics, 160,000 dollars ; fruit, 40,000 dollars ; pearls, 50,000 dollars ; rice, 30,000 dollars ; salt, 50,000 dollars ; fish, 25,000 dollars. The imports were valued at 2,055,006 dollars ; chiefly rice, 630,960 dollars ; coffee, 60,560 dollars ; sugar, 72,760 dollars ; cotton stuff, 153,200 dollars ; twist, 76,160 dollars ; salt, 45,140 dollars ; pearls, 105,000 dollars ; mother-o'-pearl, 33,000 dollars ; ghee, 41,000 dollars ; oil sweet and cocoa-nut, 27,100 dollars.

The imports from India were valued at 1,498,905 dollars ; Persian Gulf, &c., 313,141 dollars ; South Arabia and Africa, 227,180 dollars ; United States, Mauritius, and Singapore, 15,780 dollars.

Vessels entered and cleared the port of Muscat in 1893-94, 374 of 150,330 tons, of which 106 of 127,200 tons were European.

Administrative Report of the Persian Gulf Political Residency for 1893-94. Calcutta, 1894.

## ORANGE FREE STATE.

(ORANJE-VRIJSTAAT.)

### Constitution and Government.

THE Republic known as the Orange Free State, founded originally by Boers who quitted Cape Colony in 1836 and following years, is separated from the Cape Colony by the Orange River, has British Basutoland and Natal on the east, the Transvaal on the north, and Transvaal and Griqualand West on the west. Its independence was declared on February 23, 1854, and a Constitution was proclaimed April 10, 1854, and revised February 9, 1866, and May 8, 1879. The legislative authority is vested in a popular Assembly, the Volksraad, of 58 members, elected by suffrage of the burghers (adult white males) for four years from every district, town, and ward, or field-cornetey in the country districts. Every two years one-half of the members vacate their seats and an election takes place. The members of the Volksraad receive pay at the rate of 2*l.* per day. Eligible are burghers 25 years of age, owners of real property to the value of 500*l.* Voters must be white burghers by birth or naturalisation, be owners of real property of not less than 150*l.*, or lessees of real property of an annual rental of 36*l.*, or have a yearly income of not less than 200*l.*, or be owners of personal property of the value of 300*l.*, and have been in the State for not less than three years. The executive is vested in a President chosen for five years by universal suffrage, who is assisted by an Executive Council. The Executive Council consists of the Government Secretary, the Landdrost of the capital, and three unofficial members appointed by the Volksraad, one every year for three years.

*President of the Republic.*—F. W. Reitz, first sworn into office January 10, 1889; re-elected November 22, 1893.

There is a Landdrost or Magistrate appointed to each of the districts (19) of the Republic by the President, the appointment requiring the confirmation of the Volksraad. In every ward there are commissioners for various purposes, the members of which are elected by the burghers.

### Area and Population.

The area of the Free State is estimated at 48,326 square miles; it is divided into 19 districts. At a census taken in 1890 the white population was found to be 77,716—40,571 males and 37,145 females. Of the population 51,910 were born in the Free State and 21,116 in the Cape Colony. There were besides 129,787 natives in the State—67,791 males and 61,996 females—making a total population of 207,503. The capital, Bloemfontein, had 2,077 white inhabitants in 1890 and 1,382 natives. Of the white population 10,761 were returned in 1890 as directly engaged in agriculture, while there were 41,817 'coloured servants.'

Immigration is on the increase, mainly from Germany and England.

### Religion.

The Government contributes 9,000*l.* for religious purposes. The State is divided into 36 parochial districts for ecclesiastical purposes. There are about 80 churches. The principal body is the Dutch Reformed Church with 68,940 adherents; of Wesleyans there are 753; English Episcopalians, 1,353; Lutherans, 312; Roman Catholics, 466; Jews, 113.

### Instruction.

The system of education is national. Small grants are also made to the Episcopal and Roman Catholic Churches. The Government schools are managed by elected local boards, which choose the teachers, who are appointed by the President, if he is satisfied with their qualifications. Education is not compulsory nor free except for very poor children. In 1893-94 about 40,000*l.* was allotted to education, a portion of which consisted of interest on a capital of 200,000*l.* set apart by the Volksraad for this purpose. Besides this amount a considerable sum was spent upon school buildings under the Public Works Department. There are no foundations, properly so called, for education. In 1893-94 there were 149 Government schools, inclusive of the two higher schools and the infant school at Bloemfontein, with 5,178 pupils and 195 teachers. Grants are made to private schools on certain conditions. In 1893-94 there were 53 such schools, with 853 pupils. The Grey College, the highest school for boys, prepares candidates for the matriculation examination of the Cape University; and the 'Eunice' Institute is a similar school for girls.

At the census of 1890 45,015 of the white population could read and write. 2,721 only read, 23,722 (of whom 19,508 were under 7 years of age) could neither read nor write, while 6,258 were not specified.

There is a good public library in Bloemfontein, and small libraries in several villages.

There is a Government Gazette, one daily and two bi-weekly papers.

### Justice and Crime.

The Roman Dutch law prevails. The superior courts of the country are the High Courts of Justice, with three judges, and the circuit courts. The inferior courts are the court of the Landdrost and the court of Landdrost and Heenraden. The circuit courts, at which the judges of the High Court preside in turn, are held twice a year in the chief town of every district. In these courts criminal cases are tried before a jury. The court of Landdrost and Heenraden consists of the Landdrost (a stipendiary magistrate) and two assessors. The Landdrost's court thus has both civil and criminal jurisdiction. There are also justices of the peace who try minor offences and settle minor disputes.

There are no statistics of crime. There are police-constables in every town, and mounted police patrol the country.

### Finance.

The following is a statement of revenue and expenditure for the last five years (ending February) :—

Years	Revenue	Expenditure
	£	£
1889-90	272,322	205,100
1890-91	376,912	304,006
1891-92	386,589	407,610
1892-93	310,372	378,922
1893-94	293,790	323,899

The estimated ordinary revenue for 1894-95 is 266,500*l.* (or with balance of former years, 348,312*l.*), and expenditure 347,653*l.*, leaving a balance of 659*l.* Among the items of revenue are quit rents, 15,500*l.*; transfer dues, 20,000*l.*; posts and telegraphs, 23,650*l.*; import dues, 98,000*l.*; stamps, 47,000*l.*; native poll-tax, 13,000*l.*; and of expenditure, salaries, 48,155*l.*; police, 11,890*l.*; education, 43,800*l.*; posts and telegraphs, 28,315*l.*; public works, 97,842*l.*; artillery, 4,900*l.*

The Republic has a debt of 55,000*l.* (1894), but possesses considerable public property in land, buildings, bridges, telegraphs, &c. (valued at 417,000*l.*), and in its share in the National Bank, amounting to 70,000*l.* Bloemfontein has a municipal debt of 7,000*l.*

### Defence.

Frontier measures about 900 miles; of this 400 miles marches with Cape Colony, 200 Basutoland, 100 Natal, and S. A. Republic 200 miles.

There are no fortifications on the frontier.

Every able-bodied man in the State above 16 and under 60 years of age is compelled to take arms when called upon by his Field Cornet (equal to the rank of a captain), when necessity demands it. The number of burghers available is 17,381. A battery of artillery is stationed at the capital, Bloemfontein; 52 officers and men, with 350 passed artillerists, as a reserve.

### Production and Industry.

The State consists of undulating plains, affording excellent grazing. A comparatively small portion of the country is suited for agriculture, but a considerable quantity of grain is produced. The number of farms in 1890 was 6,000, with a total of 24,675,800 acres, of which 250,600 were cultivated. There were in the same year 248,878 horses, 276,073 oxen, 619,026 other cattle (burthen), 6,619,992 sheep, 858,155 goats, and 1,461 ostriches.

The diamond production in 1890 was 99,255 carats, valued at 223,960*l.*; in 1891, 108,311 carats, valued at 202,551*l.*; in 1893, 209,653 carats valued at 414,179*l.* Garnets and other precious stones are found, and there are rich coal-mines; gold has also been found.

### Commerce.

As the exports and imports pass through the Cape and Natal ports, and are included in the returns for these colonies, it is impossible to give any statement of the value of the commerce. In 1890 the imports were estimated at 1,487,450*l.*; in 1891 at 1,620,660*l.* The principal export is wool, as also hides, diamonds (415,262*l.* in the year 1893-94), and ostrich feathers; considerable quantities of British produce are imported.

### Communications.

The capital, Bloemfontein, is connected with Natal, Transvaal, and the Cape Colony by telegraph ; 1,500 miles of telegraph have been constructed. A railway constructed by the Cape Colonial Government connects the Orange River (at Norval's Pont) with Bloemfontein, 121 miles, and Bloemfontein with the Transvaal (at Viljoens drift on the Vaal River) 209 miles. Harrismith is connected with Natal by railway, and a line is in construction from the main line at Kroonstad to the coal-mines at Vierfontein in the Kroonstad district, a distance of about 60 miles. There are roads throughout the districts, ox-waggons being the principal means of conveyance.

The money, weights, and measures are English. The land measure, the Morgen, is equal to about  $2\frac{1}{10}$  acres.

*Consul-General in London.*—Wm. Dunn.

### Statistical and other Books of Reference.

- Census van den Oranje-Vrijstaat, opgenomen op 31 Maart, 1890. Bloemfontein, 1891.  
*Jeppé's* Transvaal Almanac and Directory for 1890. Cape Town, 1890.  
*Johnston* (Keith), Africa. London, 1884.  
*Noble* (J.), Illustrated Official Handbook of the Cape and South Africa. Cape Town, Johannesburg, and London, 1893.  
*Norris-Newman* (C. L.), With the Boers in the Transvaal and Orange Free State. London, 1882.  
*Sandeman* (E. F.), Eight Months in an Ox-Wagon. London, 1880.  
*Silver's* Handbook to South Africa. 4th Edition. London, 1891.  
The Argus Annual and S. African Directory, 1893. Cape Town, 1893.  
*Trollope* (Anthony), South Africa. 2 vols. London, 1873.  
*Weber* (Ernest de), Quatre ans au pays des Boers. Paris, 1882.



## PARAGUAY.

(REPÚBLICA DEL PARAGUAY.)

### Constitution and Government.

THE Republic of Paraguay gained its independence from Spanish rule in 1811, and after a short government by two consuls, the supreme power was seized, in 1815, by Dr. José Gaspar Rodríguez Francia, who exercised autocratic sway as dictator till his death, September 20, 1840. Dr. Francia's reign was followed by an interregnum, which lasted till 1842, when a National Congress, meeting at the capital Asuncion, elected two nephews of the Dictator, Don Mariano Roque Alonso and Don Carlos Antonio Lopez, joint consuls of the Republic. Another Congress voted, March 13, 1844, a new Constitution, and, March 14, elected Don Carlos Antonio Lopez sole President; he was continued by another election, March 14, 1857. At the death of Don Carlos, September 10, 1862, his son, Don Francisco Solano Lopez, born 1827, succeeded to the supreme power. President Lopez, in 1864, began a dispute with the Government of Brazil, the consequence of which was the entry of a Brazilian army, united with forces of the Argentine Confederation and Uruguay, into the Republic, June 1865. After a struggle of five years, Lopez was defeated and killed at the battle of Aquidaban, March 1, 1870.

A new Constitution was proclaimed on November 25, 1870. The legislative authority is vested in a Congress of two Houses, a Senate and a House of Deputies, the executive being entrusted to a President, elected for the term of four years, with a non-active Vice-President at his side. The Senate and Chamber of Deputies are elected directly by the people, the former in the ratio of one representative to 12,000 inhabitants, and the latter one to 6,000 inhabitants, though in the case of the sparsely populated divisions a greater ratio is permitted. The Senators and Deputies receive each 200*l.* per annum.

*President of the Republic.*—General *Egusquiza*, for the term 1894–97.

The President exercises his functions through a cabinet of responsible ministers, five in number, presiding over the departments of the Interior, of Finance, of Worship and Justice, of War, and of Foreign Affairs. The President receives a salary of 1,900*l.*, the Vice-President 960*l.*, and each of the ministers 600*l.* a year; but the total administrative expenses are stated not to exceed 5,000*l.*

The country is divided into 23 counties (*partidos*), which are governed by chiefs and justices of the peace, assisted by municipal councils.

### Area and Population.

The area of Paraguay is 98,000 square miles. An enumeration made by the Government in 1857 showed the population to number 1,337,439 souls. At the beginning of 1873 the number of inhabitants, according to an official return (regarded as exaggerated), was reduced to 221,079, comprising 28,746 men and 106,254 women over fifteen years of age, with 86,079 children, the enormous disproportion between the sexes, as well as the vast decrease of the population, telling the results of the war. A very imperfect census of March 1, 1887, gives the population as 329,645—155,425 men and 174,220 women. There are besides 60,000 semi-civilised and 70,000 uncivilised Indians. In 1893 the population was estimated at 480,000. Of foreigners in Paraguay in 1887, there were 5,000 Argentines, 2,000 Italians, 600 Brazilians, 740 Germans, 500 French, 400 Swiss, and 100 English. The country is divided into 23 electoral districts. The population of the capital, Asuncion, was

24,838 in 1886; other towns are Villa Rica, 11,000; Concepcion, 11,000; San Pedro, 12,000; Luque, 8,000—including their districts. In 1887 there were 1,809 marriages, 9,365 births (65 per cent. illegitimate), and 4,463 deaths. In the eleven years 1881–1891 there were 5,957 immigrants of whom 1,657 were Italians, 1,342 Germans, 955 French, 850 Spaniards. The total number in 1891 was 448; in 1892, 539; in 1893, 656, of whom 225 were from Australia. Nearly three-fourths of the territory was national property; but in recent years most of it has been sold, much of it in very large estates.

### Religion, Instruction, and Justice.

The Roman Catholic Church is the established religion of the State, but the free exercise of other religions is permitted. Education is free and compulsory. In 1887 only 20 per cent. of the adult Paraguayans and 60 per cent. of adult foreigners could read and write. There were in 1891 292 public elementary schools, with 18,944 pupils and 448 teachers. There are, besides, over 100 schools subsidised by the Council of Education, and at Asuncion there is a National College, with 15 professors and 150 students. The amount spent by Government on public instruction in 1890–91 was 314,615 dollars.

Asuncion has also a public library and five newspapers.

A High Court of Justice, and various inferior tribunals, with local magistrates, exercise judicial functions. In 1887, 1,091 persons were tried for offences, 51 of them for serious crime.

### Finance.

The revenue is derived from customs, stamps and other dues, and from the sale of land and yerbales. The revenue and expenditure for four years are officially given as follows:—

—	1889-90	1890-91	1891-92	1892-93
	Dollars	Dollars	Dollars	Dollars
Revenue . . .	4,124,764	1,736,113	2,731,507	5,775,899
Expenditure . .	4,252,797	2,116,357	3,829,569	5,852,722

The external debt on January 1, 1894, amounted to 27,850,623 pesos. The debt due to Brazil was 9,876,466 pesos, and to the Argentine Republic 12,393,657 pesos. The English debt on February 1, 1893, stood at 830,000*l.*, and the interest arrears up to January 1, 1894, at 51,000*l.* The internal debt in 1892 was 1,367,689 pesos.

### Defence.

The army, comprising infantry, cavalry, and artillery, maintained chiefly to preserve internal order, consists of 82 officers and 1,345 men. Every citizen from 20 to 35 years of age is liable to military service. There is a screw steamer of 440 tons and 4 guns, and 2 small steamers on the river.

### Production and Industry.

The number of horned cattle in Paraguay in 1891 was 861,954; horses 99,693, mules and asses 4,621, sheep 62,920, goats 14,656, pigs 10,778. Besides *yerba maté*, the chief products are:—maize, of which 8,229,823 acres were cultivated in 1890, manioc 7,015,862 acres, beans 2,574,962 acres, tobacco 1,980,611 acres, sugar cane 887,796 acres, mani 719,816 acres, potatoes and vegetables 540,894 acres, rice 371,492 acres, lucerne 192,736 acres, cotton 126,313 acres, coffee 69,970 acres. In 1890–91 public lands and *yerbales* were

sold to the value of 324,873 dollars, and the rent of Government forests and lands was 12,653 dollars. Immigration is encouraged and agricultural settlements or 'colonies,' near Villa Rica, of which there are six, with, in all, 3,693 colonists. About 500,000 acres have been ceded to an Australian company and at the end of 1893 about 200 Australian emigrants had arrived to settle on these lands.

There are (1887) 1,198 factories, tanneries, mills, and houses of business, with an aggregate working capital of 4,550,000 dollars, giving employment to 2,600 persons.

### Commerce.

The following is the value in gold dollars of the imports and exports for five years:—

—	1889	1890	1891	1892	1893
Imports .	3,198,164	2,725,611	1,802,000	2,196,986	2,533,000
Exports .	2,376,907	2,901,589	3,166,000	9,270,138 <sup>1</sup>	9,135,000

<sup>1</sup> Paper Dollars.

The chief imports are textiles—85 per cent. from Great Britain; wines, rice. About 48 per cent. of the total imports come from Britain.

The value of *yerba maté*, or Paraguay tea, exported was, in 1891, 1,352,000 pesos; tobacco, in 1891, 626,000 pesos; and hides and skins, in 1891, 379,000 pesos; timber in 1891, 270,000 pesos.

The British trade passes almost entirely through the territories of Brazil and the Argentine Confederation. In 1893 there were no direct imports into the United Kingdom from Paraguay, and the British exports direct to Paraguay amounted to only 661*l*.

### Communications.

In 1892, 370 vessels of 122,093 tons, entered the port of Asuncion from abroad, and 348 of 117,511 tons cleared for foreign ports. In river traffic (1891) 989 vessels of 17,172 tons cleared the port of Asuncion.

There is a railway from Asuncion to Caazapa, but the proposed extension to Encarnacion has not been carried out. The actual length of line open (1892) is about 150 miles. Receipts in 1887 amounted to 161,550 pesos, and the expenses to 111,337 pesos; in 1889 there were 404,777 passengers. There are 10 miles of tramway. There is a line of telegraph at the side of the railway; the national telegraph connects Asuncion with Corrientes in the Argentine Republic, and thus with the outside world; there were 31,451 messages in 1893. There are 510 miles in operation. The telephone is in operation at Asuncion, with a network of 625 miles of wire. Paraguay joined the postal union in 1881; in 1891 the number of post offices was 69; receipts 26,290 pesos; letters, &c., received or transmitted 1,123,103.

### Money and Credit.

The banks of emission in Paraguay are the National Bank, the Hypothecary Bank, for advancing small sums for agricultural purposes, and the Bank of Paraguay and the Plate River. In June 1890, the National Bank became the bank of the State. Between that date and May 1892, there had been issued paper money to the amount of 7,300,000 pesos. Of this amount, 800,000 pesos were of the National Bank, 800,000 pesos 'hypothecary cedulas,' 600,000 pesos of the Bank of Paraguay and Plate River, 4,100,000 pesos Government emissions in virtue of special laws, and 1,000,000 pesos

treasury notes. In May, 1892, the National Bank went into liquidation. The actual value however of all the money in Paraguay is said not to exceed 900,000 pesos. In August, 1892, gold was at a premium of 660 per cent.

### Money, Weights, and Measures.

#### MONEY.

The *Peso*, or *Dollar* = 100 *Centavos*. Nominal value, 4s. ; real value, 3s.

There is an extensive paper currency, and the currency of Brazil is also in use.

#### WEIGHTS AND MEASURES.

The <i>Quintal</i> . . . . .	= 101·40 lbs. avoirdupois.
„ <i>Arroba</i> . . . . .	= 25·35 „ „
„ <i>Fanega</i> . . . . .	= 1½ imperial bushel.
„ <i>Sino</i> (land measure) . . . . .	= 69½ Engl. sq. yards.
„ <i>Legua cuadrada</i> . . . . .	= 12½ Engl. sq. miles.

The weights and measures of the Argentine Confederation are also in general use.

### Diplomatic and Consular Representatives.

#### 1. OF GREAT BRITAIN IN PARAGUAY.

*Envoy and Minister*.—Hon. Francis J. Pakenham (resident at Buenos Ayres).

*Consul*.—(Vacant.)

#### 2. OF PARAGUAY IN GREAT BRITAIN.

*Consul-General in Great Britain*.—Christopher James. Accredited May 14, 1884.

*Consul in London*.—A. F. Baillie.

There are Consuls at Glasgow, Birmingham, Manchester.

### Statistical and other Books of Reference concerning Paraguay.

Anuario Estadístico de la República del Paraguay. Asunción, 1893.

Mensaje del Presidente de la República, presentado al Congreso Legislativo de la Nación. Asunción, 1893.

4. Foreign Office Reports. Annual Series. S. London.

Revue du Paraguay. Published monthly. Asunción.

*Azara* (Félix de), Voyages dans l'Amérique méridionale. Paris, 1809.

*Braine-le-Comte*, La République de Paraguay. Bordeaux, 1889.

*Criado* (M. A.), Guide de l'émigrant au Paraguay. Asunción, 1889.

*Demersay* (L. A.), Histoire physique, économique et politique du Paraguay et des établissements des Jésuites. 2 vols. S. Paris, 1865.

*Förster* (Bernhard), Einiges über Paraguay, in 'Deutsche Kolonial-Zeitung,' November, 1887.

*Kennedy* (A. J.), La Plata, Brazil, and Paraguay, during the War. S. London, 1869.

*La Dardye* (E. De B.), Paraguay: The Land and the People, Natural Wealth and Commercial Capabilities. English Edition. Edited by E. G. Ravenstein, F.R.G.S. London, 1892.

*Mansfield* (Charles), Paraguay, Brazil, and the Plate. New Edition. By the Rev. Charles Kingsley. S. London, 1856.

*Masterman* (G. F.), Seven Eventful Years in Paraguay. S. 2nd Edition. London, 1869.

*Mulhall* (M. G. and E. T.), Handbook to the River Plate Republics, &c., and the Republics of Uruguay and Paraguay. S. London, 1885.

*Page* (Commander Thomas G.), La Plata, the Argentine Confederation, and Paraguay. Narrative of the Exploration of the Tributaries of the River La Plata and adjacent Countries during the years 1853, 1854, 1855, and 1856, under the orders of the United States Government. S. New York, 1867.

*Thompson* (George), The Paraguayan War; with sketches of the history of Paraguay, and of the manners and customs of the people. S. London, 1869.

*Washburn* (Charles A.), The History of Paraguay. With notes of personal observations. 2 vols. S. Boston and New York, 1871.

## PERSIA.

(IRÂN.)

### Reigning Shah.

**Nâsr ed-din**, born Monday, 6 Safar, A.H. 1247 = 17-18 July, 1831; eldest son of Muhammed Shâh; succeeded to the throne at the death of his father, September 10, 1848. Coronation at Teherân, October 20, 1848.

*Children of the Shâh.*—I. Muzafer ed-dîn, heir-apparent (Valiahd), born 14 Jemâdi II. A.H. 1269 = March 25, 1853, and has four sons and fifteen daughters. II. Mas'ûd, Zil es-Sultân, born 20 Safar 1266 = January 5, 1850, and has five sons and six daughters. III. Kâmrân, Nâib es-Saltaneh, born 19 Zilkadeh 1272 = July 22, 1856, and has one son and three daughters. IV. Sâlâr es-Saltaneh, born 13 Jemâdi II. 1299 = May 2, 1882. V. Rukn es-Saltaneh, born 16 Rabî' II. 1301 = February 14, 1883. VI. Sultan Ahmed Mirza, born 1891. There are also fourteen daughters.

The royal family is very numerous: there are some thousands of princes and princesses, but the official year-book only mentions three brothers, two sisters, 140 uncles, great-uncles, and cousins of the Shah.

The Shah of Persia—by his official title, 'Shâhinshâh,' or king of kings—is absolute ruler within his dominions, and master of the lives and goods of all his subjects. The whole revenue of the country being at their disposal, recent sovereigns of Persia have been able to amass a large private fortune. That of the present occupant of the throne is reported to amount to five or six millions sterling, most of it represented by diamonds, the largest, the Deryâ i Nûr, of 186 carats, and the Tâj i Mâh, of 146 carats, and other precious stones, forming the crown jewels.

The present sovereign of Persia is the fourth of the dynasty of the Kajârs, which took possession of the crown after a civil war extending over fifteen years, from 1779 to 1794. The date of accession of each of the four members of the reigning dynasty was as follows:—

1. Agha Muhammed . . . . . 1794	3. Muhammed, grandson of Fath Ali . . . . . 1835
2. Fath Ali, nephew of Agha Muhammed . . . . . 1797	4. Nâsr ed-dîn, son of Muhammed 1848

It is within the power of the Persian monarchs to alter or to overrule the existing law of succession, and to leave the crown

with disregard of the natural heir, to any member of their family.

### Government.

The form of government of Persia is in its most important features similar to that of Turkey. All the laws are based on the precepts of the Koran, and though the power of the Shâh is absolute, it is only in so far as it is not opposed to the accepted doctrines of the Muhammedan religion, as laid down in the sacred book of the Prophet, his oral commentaries and sayings, and the interpretation of the same by his successors and the high priesthood. The Shâh is regarded as vicegerent of the Prophet (a great part of the priesthood and descendants of the Prophet [Syeds] deny this), and it is as such that he claims implicit obedience. Under him, the executive government is carried on by a ministry, formerly consisting of but two high functionaries, the grand vizier and the lord treasurer, but in more recent times divided into several departments, after the European fashion. The office of Sadr Azam or Grand Vizir, was re-instituted on January 27, 1893, and given to Mirza Ali Asghar Khan, Amim i Sultan, who is also Minister of Finance, Treasury, and Customs. Other departments represented in the Ministry are:—Interior, Foreign Affairs, War, Justice, Commerce (the last two are under one minister), Public Instruction, Telegraphs, Mines (the last three are under one minister), Posts, Religious Endowments (both under one minister), Press—eight ministers altogether. There are also fourteen ministers without portfolios, and Amin ed-dowleh, the Minister of Posts, is president of the whole Council of nineteen ministers.

The country is divided into twenty-two large and ten small provinces, which are governed by governors-general, who are directly responsible to the central Government, and can nominate the lieutenant-governors of the districts comprised in their own governments-general. Some of the governments-general are very small, and do not bear subdivision into districts, &c. ; others are very large, and comprise several provinces. Governors-general and lieutenant-governors are generally called Hâkim, the former also often have the title of Wâli, Fernân Fernâ, &c. A lieutenant-governor is sometimes called Nâib el-Hukûmah; one of a small district is a Zâbit. Every town has a mayor or chief magistrate called Kalântar, or Darogha, or Beglerbeggi. Every quarter of a town or parish, and every village, has a chief who is called Kedkhodâ. These officers, whose chief duty is the collection of the revenue, are generally appointed by the lieutenant-governors, but sometimes elected by the citizens. Most of the governors have a vizir or a pishkâr, a man of experience, to whom are entrusted the accounts and the details of the government. The chiefs of nomad tribes are called Ilkhânî, Ilbeggi, Wâli, Serdâr, Sheikh, Tushmâl; they are responsible for the collection of the revenues to the governors of the province in which their tribe resides.

### Area and Population.

According to the latest and most trustworthy estimates, the country—extending for about 700 miles from north to south, and for 900 miles from east to west—contains an area of 628,000 square miles. A vast portion of this area is an absolute desert, and the population is everywhere so scanty as not to exceed, on the average, twelve inhabitants to the square mile. According to the latest estimates, based on personal observation of travellers and statistics of the Persian Home Office, the population of Persia numbered in 1881:—

Inhabitants of cities . . . . .	1,963,800
Population belonging to wandering tribes . . . . .	1,909,800
Inhabitants of villages and country districts . . . . .	3,780,000
Total population . . . . .	7,653,600

The population in 1894 is estimated at about 9,000,000.

The number of Europeans residing in Persia does not exceed 800.

The principal cities of Persia are:—Teherân, with 210,000; Tabrîz, with 180,000; Ispahân, with 80,000; Meshed, with 60,000; Bârfurûsh, with 50,000; Kermân, Yezd, each with 40,000 to 45,000; Hamadân, Shîrâz, Kazvîn, Kom, Kashân, Resht, each with 25,000 to 30,000 inhabitants. Of the nomads 260,000 are Arabs, 720,000 Turks, 675,000 Kurds and Leks, 20,700 Balûchis and Gipsies, 234,000 Lurs.

### Religion.

Of the population about 8 millions belong to the Shîa'h faith, 800,000 Sunnis, 9,000 Parsis (Guebres), 25,000 Jews, 45,000 Armenians, and 25,000 Nestorians.

The Mahometans of Persia are mostly of the sect called Shîa'h, differing to some extent in religious doctrine, and more in historical belief, from the inhabitants of the Turkish Empire, who are called Sunni. The Persian priesthood (Ulemâ) is very powerful, and works steadily against all progress. Any person capable of reading the Koran and interpreting its laws may act as a priest (Mullâ). As soon as such a priest becomes known for his just interpretation of the divine law, and for his knowledge of the traditions and articles of faith, he is called a Mujtahid, a chief priest. There are many Mujtahids in Persia, sometimes several in one town; there are, however, only four or five whose decisions are accepted as final. The highest authority, the chief priest of all, is the Mujtahid who resides at Kerbelâ, near Baghdâd, and some consider him the vicegerent of the Prophet, the representative of the Imâm. The Shah and the Government have no voice in the matter of appointing the Mujtahids, but the Sheikh-el-Islâm, chief judge, and the Imâm-i-Jum'ah, chief of the great mosque (Masjed-i-Jâm'ah) of a city, are appointed by Government. Under the Imâm-i-Jum'ah are the pîsh nemâz or khatib (leader of public prayers and reader of the Khutbeh, the Friday oration), the mu'azzin (crier for prayers), and sometimes the Mutavalli (guardian of the mosque). This latter, as well as the mu'azzin, need not necessarily be a priest. All mosques and shrines have some endowments (wakf), and out of the proceeds

of these are provided the funds for the salaries of the priests attached to them. The shrines of some favourite saints are so richly endowed as to be able to keep an immense staff of priests, servants, and hangers-on.

The Orthodox Armenians are under a bishop residing at Ispahan; there are also a few hundred Roman Catholic Armenians in Persia. There is a wide tolerance exercised towards Armenians and Nestorians, Jews, and Parsis in cities where Europeans reside; in other places, however, they suffer oppression from Musulmans belonging to the lower classes.

### Instruction.

There are a great number of colleges (medresseh), supported by public funds, in which students are instructed in religion and Persian and Arabic literature, as well as in a certain amount of scientific knowledge; and many schools for children, while private tutors are very common, being employed by all families who have the means. A polytechnic school with a number of European professors, opened in Teherân forty-five years ago, has done much towards introducing the knowledge of Western languages and science into Persia. There are also military colleges at Teherân and Tabríz. But the bulk of the population are taught only to read the Koran.

### Justice.

Justice is administered by the governors and their representatives, and by the Sheikhs-el-Islâm and the priesthood. The former administer justice according to the Urf, the unwritten or common law; the latter according to the Shar', the written or divine law.

The dispensation of justice is always summary. At the end of April 1888 the Shah published a proclamation stating that henceforth no subject would be punished except by operation of law, and that all subjects had full liberty as to life and property. But another proclamation published in June had annulled the first as far as regards liberty of property.

### Finance.

The total revenue in cash and kind in 1839-40 amounted to 34,026,150 krans, or (1 kr. = 12·95*d.*) 1,835,995*l.* In the year 1876-77 the amount was 50,700,000 krans, or (1 kr. = 9·25*d.*) 1,950,000*l.* In 1888-89 it was 54,487,630 krans or (1 kr. = 7·06*d.*) 1,602,580*l.* With the rise in the price of silver, the value of the revenue rose in 1890-91 to 1,775,000*l.*, and owing to the fall in silver the receipts for 1894-95 are estimated at 1,300,000*l.*

The expenditure for the year 1888-89 amounted to about 50,100,000 krans; of this expenditure 18,000,000 were for the army, 10,000,000 for pensions, 3,000,000 for allowances to princes, 600,000 for allowances to members of the Kajâr tribe, 800,000 for the Foreign Office, 5,000,000 for the royal court, 500,000 for colleges, 1,500,000 for civil service, 2,630,000 for local government expenses, 800,000 remission of revenue in poor districts; the remainder was paid into the Shah's treasury.

About 82 per cent. of the revenue consists of payments in cash or kind raised by assessments upon towns, villages, and districts, each of which has to contribute a fixed sum, the amount of which is changed from time to time by tax-assessors (mumayiz) appointed by the Government. Almost the entire burthen of taxation lies upon the labouring classes. The amount collected from Christians, Jews, and Parsis is very small. About 15 per cent. of the revenue is from customs, while posts, mines, and other concessions supply the remainder. In May, 1892, the Government concluded with the Imperial Bank of Persia a contract for the issue of a loan of 500,000*l.*, the produce of



which should serve for the payment of an indemnity to the Tobacco Regie Company of Persia. The loan, guaranteed by the Customs receipts of Southern Persia and the Persian Gulf, will be repayable in eighty half-yearly instalments together with 6 per cent. interest.

### Defence.

The Persian army, according to official returns of the Minister of War, numbers 105,500 men, of whom 5,000 form the artillery (20 batteries), 54,700 the infantry (78 battalions), 25,200 the cavalry, regular and irregular, and 7,200 militia (24 battalions). Of these troops, however, only half are liable to be called for service, while the actual number embodied—that is, the standing army—does not exceed 24,500. The number liable to be called for service is as follows:—Infantry, 35,400; irregular cavalry, but more or less drilled, 3,300; undrilled levies, 12,130; artillery, 2,500; camel artillery, 90; engineers, 100; total, 53,520.

By a decree of the Shâh, issued in July 1875, it was ordered that the army should for the future be raised by conscription, instead of by irregular levies, and that a term of service of twelve years should be substituted for the old system, under which the mass of the soldiers were retained for life; but the decree has never been enforced.

The organisation of the army is by provinces, tribes, and districts. A province furnishes several regiments; a tribe gives one and sometimes two, and a district contributes one. The commanding officers are generally selected from the chiefs of the tribe or district from which the regiment is raised. The Christians, Jews, and Parsis, as well as the Mussulman inhabitants of the Kashan and Yezd districts, are exempt from all military service. The army has been under the training of European officers of different nationalities for the last thirty years or more.

The navy consists of 2 vessels, built at Bremerhaven—the *Persepolis*, screw steamship, 600 tons, 450 horse-power, armed with four 3-inch guns; and the *Susa*, a river steamer, on the river Karûn, of 30 horse-power.

### Production and Industry.

Besides wheat, barley, rice, fruits, and gums, Persia produces silk, the annual yield, chiefly from the Caspian provinces, being about 606,100lbs. About two-thirds of this quantity is exported. The opium industry is on the increase. In 1870 there were exported 800 boxes of 150 lbs. each; in 1891 the export amounted to 10,000 cases, the opium sent to Europe being prepared for medicinal purposes, and that to China for smoking. Tobacco is exported annually to the amount of 5,500 tons; cotton, 9,934,400 lbs.; wool, 1,200,000 fleeces, weighing 7,714,000 lbs., about one-third to Bombay and the remainder, mixed with Turkish wool, chiefly to Marseilles. Persian carpets, of which there are about thirty different kinds, are all made by hand, and the design varies with each carpet. The export of these carpets in 1888 reached the value of 140,000*l.*

### Commerce.

The principal centres of commerce are Tabriz, Teherân, and Ispahân; the principal ports, Bender Abbas, Lingah, and Bushire on the Persian Gulf, and Enzeli, Meshed i Sar, and Bender i Gez on the Caspian. There are no official returns of the value of the total imports and exports; the revenue from the customs being, however, known, the approximate value of the commerce may be calculated. The custom dues are for Europeans 5 per cent. *ad valorem*;

for Persian subjects they vary from 3 per cent. to 8 per cent. The customs are farmed out to the highest bidders, who generally make a good profit; the farm money, therefore, does not represent the actual sum taken for customs, which latter sum, it is estimated, is 20 per cent. in excess. The following table shows the farm money received by Government for ten years, the estimated amounts paid annually for customs, and the value of the imports and exports, obtained by taking the average of the duty at 4 per cent. of the value:—

Years	Farm Money received by Government		Rate of Exchange for the Year	Estimated Totals of Customs Paid Farm Money + 20 per cent.	Estimated Value of Imports, and Exports, Average Duty taken at 4 per cent. ad valorem
	Tomans	£	Krans=£1	£	£
1883-84	814,000	280,700	29	336,840	8,421,000
1884-85	806,000	264,262	30½	317,160	7,939,000
1885-86	838,000	250,150	33½	300,000	7,500,000
1886-87	850,000	253,730	33½	304,500	7,600,000
1888-89	800,000	235,294	34	282,400	7,060,000
1889-90	800,000	242,424	33	290,908	7,272,700
1890-91	820,000	241,200	34	289,450	7,236,200
1891-92	830,000	237,140	35	284,568	7,114,200
1892-93	850,000	223,684	38	268,417	6,710,425
1893-94	850,000	170,000	50	204,000	5,100,000

Considering the great fall in the value of silver, these figures are no longer correct. If they were it would seem that the value of the imports and exports had decreased by about 2,000,000*l.*, but competent persons say that the commerce has not decreased, and estimate it for 1893-94 at 7,500,000*l.* equivalent to 375,000,000 krans at the exchange for that year. The farmers having paid only 8,500,000 krans, and the average duty being 4 per cent., they must have gained a profit of over 5 million krans, or 58 per cent. on the farm money.

The imports consist mostly of cotton fabrics, cloth, glass, woollen goods, carriages, sugar, petroleum, tea, coffee, drugs, &c. The exports principally consist of dried fruits, opium, cotton and wool, silk, carpets, pearls, turquoises, rice, &c.

The following figures from Persian Gulf Consular Reports and from reports published by the Persian Custom House relate to the year 1893. The values include specie:—

—	Imports	Exports	Total Tonnage		British Tonnage	
			Entered	Cleared	Entered	Cleared
	£	£				
Bushire . . .	966,028	521,965	135,041	129,847	116,933	113,263
Shiraz . . .	796,640	438,818	—	—	—	—
Lingah . . .	717,407	648,686	182,430	181,030	156,000	155,625
Bunder Abbas . . .	392,907	240,124	95,075	94,995	91,240	92,360
Arab Ports . . .	275,183	349,056	17,400	16,400	2,700	2,700
Mohammarah . . .	112,098	89,039	79,523	72,039	76,603	69,239

There are annually exported about 10,000 boxes of opium, valued at about 750,000*l.* The leading import into Bushire in 1893 was cotton goods, 471,781*l.*; the leading exports, opium, 205,908*l.*; raw cotton, 50,104*l.*; carpets, 73,064*l.*; mother-of-pearl, 26,157*l.*; tobacco, 18,396*l.* Into Shiraz the chief imports were: cotton goods, 563,692*l.*; sugar, 112,246*l.*; copper, 23,630*l.* Chief exports: opium, 221,538*l.*; woollen goods, 83,007*l.*; raw cotton, 56,000*l.*; tobacco, 12,923*l.* Into Lingah the chief imports were: pearls,

258,769*l.*; cotton goods, 85,661*l.*; grain and pulse, 59,852*l.* Chief exports: pearls, 258,769*l.*; grain and pulse, 46,646*l.*; cotton goods, 76,111*l.* Into Bunder Abbas the chief imports were: cotton goods, 163,446*l.*; tea, 105,108*l.*; sugar, 26,476*l.*; thread, 22,823*l.* Chief exports: fruit and vegetables, 50,239*l.*; opium, 36,578*l.*; wool, 31,329; woollen goods, 20,726*l.*; dates, 20,308*l.*; raw cotton, 16,814*l.* At Tabríz in the year 1893-94, the total imports amounted to 411,541*l.* (cotton goods, 208,998*l.*), imports from Russia, 87,937*l.*; total exports, 199,617*l.* (carpets, 49,114*l.*), exports to Russia, 111,517*l.* A large trade is carried on with Russia through Resht on the Caspian. From Russian statistics published in 1894 by Léon Decroze, Moscow, it appears that during the year 1891 Persia exported to Russia goods to the value of 3,300,000 roubles by land and 7,600,000 roubles by sea from the Caspian ports; while the Russian goods imported into Persia amounted to 1,400,000 roubles by land and 8,500,000 roubles by sea; total exports from Persia to Russia in 1891, 1,090,000*l.*; total imports into Persia from Russia, 990,000*l.* For recent years the average value of imports from Turkey has been put at 1,840,000*l.*; from Russia, 878,000*l.*; by the Persian Gulf, 3,050,000*l.*; exports to Turkey, 778,000*l.*; to Russia, 1,486,000*l.*; and by Persian Gulf, 2,102,000*l.*

The direct trade of Persia with the United Kingdom in each of the last five years was as follows, according to the Board of Trade returns:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U.K. from Persia . . .	169,751	104,475	163,639	243,984	119,001
Exports of British produce to Persia	309,334	362,669	469,396	311,169	251,382

The direct imports from Persia into Great Britain in 1893 consisted mainly of opium, valued at 11,633*l.*, wheat, 1,262*l.* (55,454*l.* in 1889); shells, 27,966*l.* Cotton goods, of the value of 188,278*l.*, and copper (wrought and unwrought), 26,211*l.*, were the staple articles of British export to Persia in 1893.

### Money and Credit.

The Shah in 1889 granted a concession to Baron Julius de Reuter for the formation of an Imperial Bank of Persia, with head office at Teheran and branches in the chief cities. The bank was formed in the autumn of the same year, and incorporated by Royal Charter granted by H.M. the Queen, and dated September 2, 1889. The authorised capital is 4 millions sterling, which may be increased. The bank has the exclusive right of issuing bank-notes—not exceeding 800,000*l.* without the assent of the Persian Government. The issue of notes shall be at first on the basis of the silver krân. The coin in reserve for two years must be 50 per cent., afterwards 33 per cent. The bank has the exclusive right of working throughout the Empire the iron, copper, lead, mercury, coal, petroleum, manganese, borax, and asbestos mines, not already conceded. It started business in Persia in October 1889, in April 1890 took over the Persian business of the New Oriental Bank Corporation (London), which had established branches and agencies in Persia in the summer of 1888, and now has branches at Tabríz, Resht, Meshed, Ispahan, Yazd, Shiraz, Bushire, Bombay, and Calcutta; and agencies at several other towns. The mining rights have been ceded to the Persian Bank Mining Rights Corporation, Limited, which was formed in April 1890, and went into liquidation in

January, 1894. In 1892 the Imperial Ottoman Bank began to establish correspondents in the chief towns of Persia.

### Communications.

A small railway from Teheran to Shah Abdul-azîm (six miles) was opened in July, 1888. Another from Mâhmûdabad on the Caspian to Barfurûsh and Amol (twenty miles) was commenced, but has not been completed. The former is in the hands of a Belgian company, the latter is a private undertaking by a Persian merchant. The river Karûn at the head of the Persian Gulf has been opened to foreign navigation as far as Ahwâz, and Messrs. Lynch Brothers are running a steamer on it once a fortnight.

The only carriageable roads in Persia are Teherân-Kom and Teheran-Kazvin, each about 91 miles, and on both mails and travellers are conveyed by post-carts. A concession for the construction of a cart road and the establishment of a regular transport service from Teherân to Ahwâz was granted to an English Company, and construction was commenced in 1890. A concession for the construction of a cart road from Kazvin to Enzeli on the Caspian was granted to a Russian firm in 1893. The former project has been abandoned, and there are little hopes of the latter being executed.

Persia has a system of telegraphs consisting of about 4,150 miles of line, with about 6,700 miles of wire, and 99 stations.

(a) 675 miles of line with three wires—that is, 2,025 miles of wire between Bushire and Teherân—are worked by an English staff, and form the 'Indo-European Telegraph Department in Persia,' an English Government department. (b) 415 miles of line with three wires, 1,245 miles of wire between Teherân and Julfâ on the Russo-Persian frontier, are worked by the Indo-European Telegraph Company. (c) About 3,400 miles of single wire lines belong to the Persian Government, and are worked by a Persian staff. During the year 1891-92, 125,478 messages were transmitted by the English Government and Indo-European Telegraph Company's lines. The average time of transmission of a message between Calcutta and England was one hour and fifteen minutes.

The first regular postal service, established by an Austrian official in Persian employ, was opened January, 1877. Under it mails are regularly conveyed to and from the principal cities in Persia. There is a service twice a week to and from Europe via Resht and Tiflis (letters to be marked 'via Russia'), and a weekly service to India via Bushire. There are 95 post offices.

### Money, Weights, and Measures.

#### MONEY.

The monetary unit is the krân, a silver coin, formerly weighing 28 nakhods (88 grains), then reduced to 26 nakhods (77 grains), now weighing only 24 nakhods (71 grains) or somewhat less. The proportion of pure silver was before the new coinage (commenced 1877) 92 to 95 per cent. ; it was then for some time 90 per cent., and is now about 89½ per cent. The value of the krân has in consequence much decreased. In 1874 a krân had the value of a franc, 25 being equal to 1*l.* ; in December 1888 a 1*l.* bill on London was worth 34 krâns. In the month of April, 1888, a 1*l.* bill on London was worth 36½ to 37 krâns. In consequence of the recent fall in the price of silver, the value of a krân is at present (October, 1894) about 4<sup>s</sup>/<sub>10</sub>*d.*, a 1*l.* bill on London being worth 50 krâns.

Coins issued by the Mint	Values calculated at average exchange for 1893-94, 50 Krâns=£1.
Copper :— <i>Pâl</i> . . . . .	0·12 <i>d.</i>
<i>Shâhî</i> =2 <i>Pâl</i> . . . . .	0·24 <i>d.</i>
Two <i>Shâhîs</i> =4 <i>Pâl</i> . . . . .	0·48 <i>d.</i>
Four <i>Shâhîs</i> =(1 ( <i>Abbâssi</i> )) . . . . .	0·96 <i>d.</i>
Silver :—Five <i>Shâhîs</i> =10 <i>Pâl</i> = $\frac{1}{4}$ <i>Krân</i> . . . . .	1·20 <i>d.</i>
Ten <i>Shâhîs</i> = $\frac{1}{2}$ <i>Krân</i> . . . . .	2·40 <i>d.</i>
One <i>Krân</i> =20 <i>Shâhîs</i> . . . . .	4·8 <i>d.</i>
Two <i>Krâns</i> . . . . .	1 <i>s.</i> 9·6 <i>d.</i>
Five <i>Krâns</i> . . . . .	2 <i>s.</i> 0·0 <i>d.</i>

Five-shâhî, ten-shâhî, and five-krân pieces are rarely coined.

Gold :—

$\frac{1}{4}$  *Toman*,  $\frac{1}{2}$  *Toman*, 1 *Toman*, 2, 5 and 10 *Tomans*.

The *Toman* is nominally worth 10 *Krâns*; very few gold pieces are in circulation, and a gold *Toman* is at present worth 18·75 *Krâns*=7*s.* 6*d.*

Accounts are reckoned in *dînârs*, an imaginary coin, the ten-thousandth part of a toman of ten *krâns*. A *krân* therefore=1,000 *dînârs*; one *shâhî*=50 *dînârs*.

#### WEIGHTS AND MEASURES.

The unit of weight is the *miskâl* (71 grains), subdivided into 24 *nakhods* (2·96 grains) of 4 *gandum* (·74 grain) each. Sixteen *miskâls* make a *sîr*, and 5 *sîr* make an *abbâssi*, also called *wakkeh*, *kervânkeh*. Most articles are bought and sold by a weight called *batman* or *man*. The *mans* most frequently in use are :—

<i>Man-i-Tabrîz</i> =8 <i>Abbâssîs</i> . . . . .	= 640 <i>Miskâls</i> = 6·49 lbs.
<i>Man-i-Noh Abbâssi</i> =9 <i>Abbâssîs</i> . . . . .	= 720 „ = 7·30 „
<i>Man-i-Kohneh</i> (the old man) . . . . .	=1,000 „ = 10·14 „
<i>Man-i-Shâh</i> =2 <i>Tabrîz Mans</i> . . . . .	=1,280 „ = 12·98 „
<i>Man-i-Rey</i> = 4 „ . . . . .	=2,560 „ = 25·96 „
<i>Man-i-Bender Abbâssi</i> . . . . .	= 840 „ = 8·52 „
<i>Man-i-Hâshemî</i> =16 <i>Mans</i> of . . . . .	720 „ = 116·80 „
Corn, straw, coal, &c., are sold by <i>Kharvâr</i> =100 <i>Tabrîz Mans</i>	=649 „

The unit of measure is the *zar* or *gez*; of this standard several are in use. The most common is the one of 40·95 inches; another, used in *Azerbâijân*, equals 44·09 inches. A *farsakh* theoretically=6,000 *zar* of 40·95 inches=3·87 miles. Some calculate the *farsakh* at 6,000 *zar* of 44·09 inches=4·17 miles.

The measure of surface is *jerib*=1,000 to 1,066 square *zar* of 40·95 inches=1,294 to 1,379 square yards.

## Diplomatic Representatives.

### 1. OF PERSIA IN GREAT BRITAIN.

*Envoy and Minister*.—Mirza Mohamed Ali Khan, Ala-es-Sultaneh, accredited March 4, 1890.

*Secretaries*.—Mirza Lutf Ali Khan and Hussein Kuli Khan.

*Consul-General*.—

### 2. OF GREAT BRITAIN IN PERSIA.

*Teherân*: *Envoy, Minister, and Consul-General*.—Sir H. Mortimer Durand, K.C.S.I., K.C.I.E. Appointed May 1, 1894.

*Secretary of Legation*.—Conyngham Greene.

*2nd Secretaries*.—H. M. Ellicombe and E. M. Grant Duff.

*Military Attaché*.—Lieut.-Colonel H. P. Picot.

*Tabriz* : *Consul-General*.—Cecil Godfrey Wood.  
*Resht and Astrabad* : *Consul*.—H. L. Churchill.  
*Bushire* : *Political Resident and Consul-General*.—Colonel Wilson.  
*Vice-Consul*.—John C. Gaskin.  
*Kerman* : *Consul*.—Lieut. Percy M. Sykes.  
*Meshed* : *Consul-General*.—Ney Elias, C.I.F.  
*Ispahân* : *Consul*.—J. R. Preece.  
*Muhamrah* : *Vice-Consul*.—W. McDonall.  
*Yezd* : *Vice-Consul*.—McLeod Ferguson.  
 There are agents at Shîrâz, Kermanshâh, and Hamadân.

## Statistical and other Books of Reference concerning Persia.

### 1. OFFICIAL PUBLICATIONS.

Report by Mr. Baring on the Opium Trade and Cultivation, 1881, in 'Reports of H.M.'s Secretaries of Embassy and Legation.' Part I. And by Mr. Dickson on the Trade of Persia, in Part VI. London, 1882.  
 Report by Mr. Herbert on the Present State of Persia, and her Mineral Resources, in 'Reports from H.M.'s Diplomatic and Consular Officers.' Part IV. London, 1886.  
 Eastern Persia: an Account of the Journeys of the Persian Boundary Commission, 1870-72. 2 vols. 8. 1876.  
 Foreign Office Reports. Annual Series. London.  
 Annual Statement of the Trade of the United Kingdom in the year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Bassett* (James), Persia, the Land of the Imâns. London, 1886.  
*Benjamin* (S. G. W.), Persia and the Persians. London, 1887. Persia. [In Story of the Nations Series]. 3d. ed. 8. London, 1888.  
*Binning* (R. B. M.), A Journal of Two Years' Travel in Persia, Ceylon, &c. 2 vols. 8. London, 1857.  
*Bird* (Isabella), Journeys in Persia and Kurdistan. 2 vols. 8. London, 1893.  
*Browne* (E. G.), A Year amongst the Persians. London, 1893.  
*Brugsch* (Dr. H.), Reise der k. preuss. Gesandtschaft nach Persien, 1860-61. 2 vols. 8. Leipzig, 1864.  
*Curzon* (Hon. G.), The Karun River. Proc. R.G.S. 1890.  
*Curzon* (Hon. G.), The Persian Question. 2 vols. London, 1892.  
*Eastwick* (E. B.), Journal of a Diplomat's Three Years' Residence in Persia. 2 vols. London, 1864.  
*Ferrier* (J. J. P.), Caravan Journeys and Wanderings in Persia, &c. 8. London, 1856.  
*Floyer* (E. A.), Unexplored Baluchistan. London, 1882.  
*Gobineau* (Ch. de), Les religions et les philosophies de l'Asie centrale. 8. Paris, 1865.  
*Macgregor* (Col. C. M.), Narrative of a Journey through the Province of Khorassan and the North-West Frontier of Afghanistan in 1875. 2 vols. 8. London, 1879.  
*Malcolm* (Sir John), History of Persia. 2 vols. 4. London, 1815. 2 vols. 8. London, 1829.  
*Malcolm* (Sir John), Sketches of Persian Life and Manners. 2 vols. 8. London, 1828.  
*Markham* (Clements R.), General Sketch of the History of Persia. 8. London, 1874.  
*Polak* (Dr. J. E.), Persien, das Land und seine Bewohner. 2 vols. 8. Leipzig, 1865.  
*Stack* (E.), Six Months in Persia. 2 vols. London, 1882.  
*Stolze* (F.) and *Andreas* (F. C.), Die Handelsverhältnisse Persiens, 'Petermann's Mitteilungen,' Ergänzungsheft. No. 77. Gotha, 1883.  
*Watson* (R. Grant), A History of Persia, from the Beginning of the Nineteenth Century to the year 1858. 8. London, 1873.  
*Wills* (Dr. C. J.), The Land of the Lion and Sun. 8. London, 1883.  
*Wills* (Dr. C. J.), Persia as it is. London, 1886.  
*Windt* (H. de), A Ride to India across Persia and Baluchistan. 8. London, 1891.

## PERU.

(REPÚBLICA DEL PERÚ.)

### Constitution and Government.

THE Republic of Peru, formerly the most important of the Spanish Viceroyalties in South America, issued its declaration of independence July 28, 1821; but it was not till after a war, protracted till 1824, that the country gained its actual freedom from Spanish rule. The Republic is politically divided into departments, and the departments into provinces. The present Constitution, proclaimed October 16, 1856, was revised November 25, 1860. It is modelled on that of the United States, the legislative power being vested in a Senate and a House of Representatives, the former composed of deputies of the provinces, in the proportion of one for every 30,000 inhabitants or fraction exceeding 15,000, and the latter of representatives nominated by the electoral colleges of the provinces of each department, at the rate of two when the department has two provinces, and one more for every other two provinces. The parochial electoral colleges choose deputies to the provincial colleges, who in turn send representatives to Congress, and elect the municipal councils as well.

The executive power is entrusted to a President. There are two Vice-Presidents, who take the place of the President only in case of his death or incapacity, and they are elected for four years.

*President of the Republic.*—General *Caceres*.

The President exercises his executive functions through a Cabinet of five ministers, holding office at his pleasure. The ministers are those of the Interior, War, Foreign Affairs, Justice and Finance. None of the President's acts have any value without the signature of a minister.

### Area and Population.

It is estimated that 57 per cent. of the population of Peru are aborigines or 'Indians,' and that 23 per cent. belong to mixed races, 'Cholos' and 'Zambos.' The remaining 20 per cent. are chiefly descendants of Spaniards, the rest including, besides 18,000 Europeans, 50,000 Asiatics, chiefly Chinese. At the enumeration of 1876 the population of the capital, Lima, was returned at 101,488, Callao 33,502 (68,051 in 1890), Arequipa 29,237, Cuzco 18,370.

The Republic is divided into nineteen departments, the area and population of which were reported as follows at the last census taken (in 1876):--

Departments	Area : English square miles	Population	Departments	Area : English square miles	Population
Piura . . . .	13,931	135,502	Ica . . . .	6,295	60,111
Cajamarca . .	14,188	213,391	Ayacucho . .	24,213	142,205
Amazonas . .	14,129	34,245	Cuzco . . . .	95,547	238,445
Loreto . . . .	32,727	61,125	Puno . . . .	39,743	256,594
Libertad . . .	15,649	147,541	Arequipa . . .	27,744	160,282
Ancachs . . .	17,405	284,091	Moquegua . .	22,516	28,786
Lima . . . .	14,760	{ 226,922 34,492	Apurimac . .	62,325	119,246
Callao . . . .			Lambayeque . .	17,939	85,984
Huancavelica .	10,814	104,155			
Huanuco . . .	33,822	{ 78,856 209,871	Total . . . .	463,747	2,621,844
Junin . . . .					

There are besides about 350,000 uncivilised Indians.

No recent census has been effected, but it is believed that the population is nearly stationary owing to the great infant mortality in the lower classes, as well as to small-pox and alcoholism among the Indians.

As a result of the war with Chile, the latter country has annexed the province of Tarapaca. The Chilians have also occupied the department of Tacna for ten years. A popular vote should in 1894 have decided to which country it is to belong, but owing to troubles in Peru the decision has been deferred.

### Religion.

By the terms of the Constitution there exists absolute political, but not religious freedom, the charter prohibiting the public exercise of any other religion than the Roman Catholic, which is declared the religion of the State. But practically there is a certain amount of tolerance, there being in Callao and Lima Anglican churches as well as Jewish synagogues. At the census of 1876 there were 5,087 Protestants, 498 Jews; other religions, 27,073.

### Instruction.

Elementary education is compulsory for both sexes, and is free in the public schools that are maintained by the municipalities. High schools are maintained by the Government in the capitals of the departments, and in some provinces pupils pay a moderate fee. There is in Lima a central university, called 'Universidad de San Marcos,' the most ancient in America; its charter was granted by the Emperor Carlos V.; it has faculties of jurisprudence, medicine, political science, theology, and applied science. Lima possesses a school of mines and civil engineering, created in 1874, with good collections and laboratories. There are in the capital and in some of the principal towns private high schools under the direction of English, German, and Italian staffs. Lima has also a public library, with a rich collection, besides the one of the university and school of mines. There are two minor universities at Cuzco and Arequipa.

### Finance.

The public revenue was until recently mainly derived from the sale of guano, and from customs. Direct taxation exists in two forms, there being a poll-tax, at the rate of 4 soles on the coast and 2 in the inland departments per annum, for every man between 21 and 60 years; a tax is levied too, at the rate of 3 per



cent., on the rent derived from real property. Of the actual revenue and expenditure of the Government there were until recently no official returns, but it is known that there were large annual deficits, the profits from the sale of guano not proving sufficiently large to cover the cost of immense public works, including a railway to the summit of the Andes, besides the payment of interest of a large debt.

The revenue and expenditure for four years, ended May 31, were estimated as follows :—

	1890	1891	1892	1893
Revenue .	6,957,350	8,608,043	7,104,423	7,066,330
Expenditure .	6,073,966	8,179,981	6,572,927	6,572,927

The estimated revenue and expenditure for 1894 were as follows :—

Revenue		Expenditure	
	Soles		Soles
Customs . . . . .	5,009,450	Congress . . . . .	355,093
Taxes . . . . .	1,440,355	Government . . . . .	830,682
Posts and Telegraphs . . . . .	235,752	Ministry Foreign Affairs . . . . .	216,123
Various . . . . .	317,833	„ Justice . . . . .	672,964
		„ Hacienda . . . . .	2,754,189
		„ Army and Navy . . . . .	1,951,602
Total ordinary . . . . .	7,003,390	Total ordinary . . . . .	6,780,653
Extraordinary . . . . .	515,757	Extraordinary . . . . .	566,194
Total Revenue . . . . .	7,519,147	Total . . . . .	7,346,847

The revenue is mostly from customs.

The public debt of Peru is divided into internal and external. The internal liabilities (1888) were estimated officially at over 109,287,000 soles, excluding 83,747,000 soles paper money, the paper sole being equivalent to only 2½*d.* The outstanding foreign debt is made up of two loans, contracted in England in 1870 and 1872 :—

Foreign Loan.	Outstanding Principal.
Railway 6 per cent. loan of 1870 . . . . .	£ 11,141,580
„ 5 per cent. loan of 1872 . . . . .	20,437,500
Total . . . . .	<u>31,579,080</u>

The two loans of 1870 and 1872 were secured on the guano deposits (now in possession of Chile) and the general resources of Peru. No interest having been paid on the foreign debt since 1876, the arrears in 1889 amounted to 22,998,651*l.* In January, 1890, by the final ratification of the Grace-Donoughmore contract, Peru was released of all responsibility for the two loans, and the bondholders had ceded to them all the railways, guano deposits, mines, and lands of the State for 66 years. In 1882 an arrangement was made with Chile that a portion of the proceeds of the guano deposits should be paid as interest to the bondholders, and in 1883 a small amount was sent to England. In 1890 a further arrangement was made with the Chilian Government in favour of the bondholders, but certain disputed claims supported by the French Government delayed the settlement. In October, 1892, it was decided to refer these claims to the President of the Supreme Court of Justice of the Swiss Confederation for arbitration. In July, 1893, it was announced that 630,000*l.* Chilian 4½ per cent. bonds having been received by the Peruvian Corporation from the Chilian Government, distribution of these bonds would be made to holders of "Chilian Assets Certificates" at the rate of 1*l.* 10*s.* per cent. for every "nominal 100*l.* of the Peruvian loan of 1870, and 1*l.* 5*s.* per cent. for every nominal 100*l.* of the Peruvian loan of 1872. "Balance Certificates" would also be issued entitling holders to share in such moneys in the Bank of England as might be available for distribution under the arbitration required by the Chilian Government.

### Defence.

The army of the Republic is composed of six battalions of infantry, numbering 2,400 men; of two regiments of cavalry, numbering 600 men; of two brigades of artillery, numbering 500 men; and of a gendarmerie of 2,400 men, forming a total of 5,900 men.

The Peruvian navy now consists of one cruiser of 1,700 tons displacement, one steamer, and one training frigate.

### Industry.

The staple productions of Peru are cotton, coffee, cocoa, rice, sugar, tobacco, wines and spirits, maize; and the manufacture of cocaine is carried on at Callao. Besides the above articles there are in the country india-rubber, cinchona, dyes, medicinal plants, and the alpaca and vicuña. The guano deposits are to a great extent exhausted, and the nitre province of Tarapaca now belongs to Chile. The guano deposits on the islands of Huanillos, Punta Lobos, Pabellon de Pica, and Lobos de Afuera, are stated to have been delivered over to Peru by the Chilian Government.

The total number of mines held in Peru in 1886 was 1,456; in 1889, 2,599; in 1890, 2,911; in 1891, 4,187. Of the mines claimed in 1891, 427 were gold mines or washings, 46 gold and silver, 2,641 silver, 18 silver and copper, 25 silver and lead, zinc, or quicksilver, 28 copper, 20 quicksilver, 613 petroleum, 278 coal, 60 salt, 14 sulphur, 17 various. Gold is found in 16 of the 19 departments of Peru, but mining operations are now, in general, attended with little success. Many gold fields have been abandoned or are worked only by natives. In the department of Junin the mines of Cerro de Pasco, a ridge of gravelly sand, yield 31 to 52 grm. to the metric ton. The Montes Claros mines in Arequipa are worked by a company mostly with English capital, and good results are expected. The most important silver mines in active working are those at Cerro de Pasco, Castrovireina, and

Recuay. Peru produced in 1887, 110,000 kilogrammes, and in 1888, 120,000 kilogrammes of fine silver, including that contained in the silver ore exported in those years (10,705 tons and 12,500 tons respectively). In 1889, 86,019 kilogrammes of silver were coined, value 2,842,530 soles.

In the province of Paita vast petroleum beds exist. In 1892, 185,000 barrels of crude petroleum were obtained from the wells at Negritos. During the three years 1889-91 there were formed with English capital twenty-two companies (railway, mining, smelting, &c.), with a nominal capital of 8,350,000*l*.

Commerce.

The foreign commerce of Peru which is chiefly with Great Britain and Germany, is carried on from several ports, of which the principal are Callao, Paita, Eten, Salaverry, Chimbote, Pisco, Mollendo, and Arica. In 1891 (the latest for which details are officially published) the imports were valued at 14,763,241 soles, and exports at 11,616,716 soles. The principal exports were sugar, 2,953,000 soles; silver and silver ore, 2,201,895 soles; cotton, 1,214,140 soles; wool, 837,000 soles. For the year 1893 the value of the imports is unofficially estimated at 10,668,385 soles, and the exports at 17,138,000 soles.

At Paita Piura the imports (1893) amounted to 54,954*l*, and the exports to 317,804*l*. (cotton, 204,580*l*). At Mollendo the exports amounted to 5,091,050 soles (silver ore, 1,290,000 soles; copper ore, 1,237,000 soles; alpaca wool, 914,200 soles).

The commercial intercourse between Peru and the United Kingdom is shown in the subjoined tabular statement, for each of the last five years:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into United Kingdom from Peru	1,293,777	1,053,604	969,814	1,573,813	1,399,287
Exports of British produce to Peru	958,299	1,123,395	1,037,455	763,508	790,693

The value of imports into the United Kingdom from Peru previous to 1889 are probably too large, owing to the cubic nitre from the province of Tarapaca, now belonging to Chile, being included. A similar mistake has probably been made with other exports, if not also with imports.

In the year 1876 and from 1889 to 1893 the quantities and value of the imports of guano into Great Britain from Peru were as follows:—

—	1876	1889	1890	1891	1892	1893
Quantities, tons	156,864	6,064	<i>nil</i>	3,780	13,767	9,220
Value . . . . . £	1,966,068	34,308	<i>nil</i>	16,200	109,422	41,029

The imports of nitre from Peru into Great Britain were, according to the Board of Trade returns, as follows in each of the last five years:—

—	1889	1890	1891	1892	1893
Quantities, cwts.	74,569	<i>nil</i>	69,900	286,700	7,074
Value . . . £	36,148	<i>nil</i>	29,185	119,303	68,283

Imports into the United Kingdom from Peru are:—sugar, 1,380,622*l.* in 1879; 298,336*l.* in 1891; 524,173*l.* in 1892; 394,941*l.* in 1893; sheep and alpaca wool, 282,591*l.* in 1891; 259,801*l.* in 1892; 310,466*l.* in 1893; raw cotton, 157,914*l.* in 1891; 290,092*l.* in 1892; 314,799*l.* in 1893; copper, unwrought or part wrought, 356,896*l.* in 1878; 20,422*l.* in 1891; 20,295*l.* in 1892; 19,351*l.* in 1893; silver ore, 83,256*l.* in 1891; 73,585*l.* in 1892; 129,896*l.* in 1893.

The chief exports from Great Britain to Peru are:—cotton goods, 414,283*l.* in 1891; 331,840*l.* in 1892; 231,756*l.* in 1893; woollens, 132,813*l.* in 1891; 104,223*l.* in 1892; 83,030*l.* in 1893; iron, wrought and unwrought, 82,884*l.* in 1892; 63,252*l.* in 1893; machinery, 38,008*l.* in 1893.

### Shipping and Navigation.

At the port of Callao in 1893, 590 vessels of 610,995 tons (233 vessels of 295,451 tons British) entered, and 599 vessels of 618,965 tons (239 of 299,349 tons British) cleared. There entered also 791 coasting vessels of 9,881 tons. The port of Mollendo was visited in 1892 by 348 vessels of 27,000 tons (159 British of 12,198 tons).

The merchant navy of Peru now (1893) consists of 2 steamers of 2,262 gross tonnage and 38 sailing vessels of 10,145 tons; and it is expected that the increase will be progressive, as, according to a concession contained in the law of November 9, 1888, foreigners are allowed to own vessels carrying the Peruvian flag.

### Internal Communications.

In 1894 the total working length of the Peruvian railways was 905 miles, of which 781 miles belong to the State. The gross receipts of the railways in which the Peruvian Corporation is interested (the Central, Southern, Trujillo, and Pascamayo Railways), and the steamers on Lake Titicaca, in the year ended June 30, 1892, amounted to 348,500*l.*, and expenses to 215,000*l.*, the net receipts (including a guarantee payment) being 160,092*l.*, while the leased lines yielded as rent 3,247*l.* The Peruvian railways, including those ceded to Chile, cost about 36 millions sterling.

The length of State telegraph lines in 1893 was 1,080 miles. There are 36 telegraph offices. The telegraph cable laid on the west coast of America has stations at Paita, Callao, Lima, and Mollendo, and thus Peru is placed in direct communication with the telegraphic system of the world. A telephone system is in operation between Callao and Lima.

In 1891, 1,156,900 letters, post-cards, journals, &c. (exclusive of internal communications) passed through the Post Office; there are 314 offices. †

## Money, Weights, and Measures.

### MONEY (SILVER COINS).

The <i>Sole</i> . . .	= 100 <i>centesimos</i> ;	nominal value, 4s.;	real value,
			October 14, 1893, 26½ <i>d.</i>
„ <i>Medio Sole</i> . . .	= 50	„	
„ <i>Pesceta</i> . . .	= 20	„	
„ <i>Real</i> . . .	= 10	„	
„ <i>Medio Real</i> . . .	= 5	„	

In the beginning of 1888 the paper money was withdrawn from circulation, except as payment of 5 per cent. of customs duties, at the rate of 35 paper soles for one of silver. The currency is in convertible silver.

### WEIGHTS AND MEASURES.

The <i>Ounce</i> . . . . .	=	1·014 ounce	avoirdupois.
„ <i>Libra</i> . . . . .	=	1·014 lb.	„
„ <i>Quintal</i> . . . . .	=	101·44 lbs.	„
„ <i>Arroba</i> { of 25 pounds . . . . .	=	25·36	„
{ of wine or spirits . . . . .	=	6·70 imperial	gallons.
„ <i>Gallon</i> . . . . .	=	0·74	„ gallon.
„ <i>Vara</i> . . . . .	=	0·927	yard.
„ <i>Square Vara</i> . . . . .	=	0·859	square yard.

The French metric system of weights and measures was established by law in 1860, but has not yet come into general use, except for the customs tariff.

## Diplomatic Representatives.

### 1. OF PERU IN GREAT BRITAIN.

*Envoy and Minister* —

*Chargé d'Affaires.*—Wenceslao Melendez.

*Attaché.*—Eduardo Ford North.

*Military Attaché.*—Colonel Enrique Lara.

*Naval Attaché.*—Captain U. Delboy.

*Consul-General in London.*—F. A. Pezet.

There are Consular representatives at Belfast, Cardiff, Dublin, Dundee, Glasgow, Liverpool, Queenstown, Southampton, Gibraltar, Hong Kong, Melbourne, Montreal, Port Elizabeth, Sydney.

### 2. OF GREAT BRITAIN IN PERU.

*Minister and Consul-General.*—Captain H. M. Jones, V.C. Appointed October 24, 1894.

There is a Consul at Callao and Vice-Consuls at Payta, Arequipa, Mollendo, Pisco.

## Statistical and other Books of Reference concerning Peru.

### 1. OFFICIAL PUBLICATIONS.

Demarcacion política del Perú. Edicion oficial de la direccion de estadística. Fol. Lima, 1874.

*Paz Soldan* (Mariano Felipe), Diccionario geográfico-estadístico del Perú: Contiene ademas la etimologia Aymara y Quechua de las principales poblaciones, lagos, rios, cerros, &c. 8. Lima, 1879.

*Raimondi* (Antonio), El Perú. 3 vols. Published at Lima, 1874.

Report by Sir C. Mansfield on the auriferous deposits of Peru. No. 167 of 'Reports on Subjects of General and Commercial Importance.' 1890.

Reports on the Trade of Peru In Foreign Office Reports, Annual Series. London, 1893.

Trade of Peru with Great Britain, in 'Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893.' Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Albertini* (L. E.), Pérou en 1878. Paris, 1878.

*Bates* (H. W.), Central and South America. London, 1882.

*Chérot* (A.), Le Pérou: Productions, guano, commerce, finances, &c. 8. Paris, 1876.

*Clark* (E. B.), Twelve Months in Peru. 8. London, 1891.

*Duffield* (A.), Peru in the Guano Age. 8. London, 1877.

*Evans* (P. F.), From Peru to the Plate. 8. London, 1889

*Fuentes* (Manuel A.), Lima, or Sketches of the Capital of Peru: Historical, Statistical, Administrative, Commercial, and Moral. 8. London, 1866.

*Grandidier* (E.), Voyage dans l'Amérique du Sud, Pérou et Bolivie. 8. Paris, 1863.

*Guillaume* (H.), The Amazon Provinces of Peru as a Field for European Emigration. London, 1888.

*Hill* (S. S.), Travels in Peru and Mexico. 2 vols. 8. London, 1860.

*Hutchinson* (T. J.), Two Years in Peru. 2 vols. 8. London, 1874.

*Markham* (C. R.), Cuzco and Lima. London, 1858.

*Markham* (C. R.), Peru. London, 1881.

*Markham* (C. R.), The War between Peru and Chili, 1879-81. London, 1883.

*Markham* (Clements R.), Travels in Peru and India, while superintending the Collection of Cinchona Plants and Seeds in South America, and their Introduction into India. 8. London, 1862.

*Menendez* (D. Baldomero), Manuel de geografía y estadística del Perú. 12. Paris, 1862.

*Middendorf* (E. W.), Peru: Beobachtungen und Studien über Das Land und Seine Bewohnen, während eines 25 Jährigen Aufenthalts. Berlin, 1893.

*Ordinaire* (Olivier), Du Pacifique à l'Atlantique par les Andes peruviennes et l'Amazone. 12. Paris, 1892.

*Paz Soldan* (Mariano Felipe), Historia del Perú Independente. 3 vols.

*Prescott* (W. H.), History of the Conquest of Peru. London.

*Squier* (E. G.), Peru: Incidents of Travels and Exploration in the Land of the Incas. 8. London, 1877.

*Temple* (Edmond), Travels in various Parts of Peru. 2 vols. London, 1830.

*Tschudi* (Joh. Jakob von), Reisen durch Südamerika. 5 vols. 8. Leipzig, 1866-68.

*Ursel* (Comte C. d'), Sud Amérique: Séjours et voyages au Brésil, en Bolivie, et au Pérou. 12. Paris, 1879.

*Wappaeus* (Joh. Eduard), Die Republic Peru; in Stein's 'Handbuch der Geographie und Statistik.' Part III. 8. Leipzig, 1864.

*Wiener* (Charles), Pérou et Bolivie. Paris, 1880.

## PORTUGAL.

(REINO DE PORTUGAL E ALGARVES.)

### Reigning King.

**Carlos I.**, born September 28, 1863, son of King Luis I. and his Queen Maria Pia, daughter of the late King Vittorio Emanuele of Italy, who still survives ; married, May 22, 1886, Marie Amélie, daughter of Philippe Duc d'Orléans, Comte de Paris ; succeeded to the throne October 19, 1889.

### *Children of the King.*

- I. *Luis Felipe*, Duke of Braganza, born March 21, 1887.
- II. *Manuel*, born November 15, 1889.

### *Brother of the King.*

Prince *Affonso Henriques*, Duke of Oporto, born July 31, 1865.

### *Aunt of the King.*

Princess *Antonia*, born February 17, 1845 ; married, September 12, 1861, to Prince Leopold of Hohenzollern-Sigmaringen, born September 22, 1835. Offspring of the union are three sons :—  
1. Prince Wilhelm, born March 7, 1864. 2. Prince Ferdinand, born August 24, 1865. 3. Prince Karl, born September 1, 1868.

The reigning dynasty of Portugal belongs to the House of Braganza, which dates from the end of the fourteenth century, at which period Affonso, an illegitimate son of King João, or John I., was created by his father Count of Barcelos, Lord of Guimaraens, and by King Affonso V., Duke of Braganza (1442). When the old line of Portuguese kings, of the House of Avis, became extinct by the death of King Sebastian, and of his successor, Cardinal Henrique, Philip II. of Spain became King of Portugal in virtue of his descent from a Portuguese princess. After 60 years' union under the same kings with Spain, the people of Portugal revolted, and proclaimed Dom João, the then Duke of Braganza, as their national king, he being the nearest Portuguese heir to the throne. The Duke thereupon assumed the name of João IV., to which Portuguese historians appended the title of 'the Restorer.'

From this João the present rulers of Portugal are descended. Queen Maria II., by her marriage with a Prince of Coburg-Gotha, Fernando, Duke of Saxe, united the House of Braganza with that of the Teutonic Sovereigns. Carlos I. is the third Sovereign of Portugal of the line of Braganza-Coburg.

Carlos I. has a civil list of 312,000 milreis; while his consort has a grant of 48,000 milreis. The whole grants to the royal family amount to 456,800 milreis.

The following is a list of the Sovereigns of Portugal since its conquest from the Moors:—

<i>I. House of Burgundy.</i>		A. D.		A. D.
Henri of Burgundy . . . . .	1097		Philip II. . . . .	1598
Affonso I., 'the Conqueror' . . . . .	1140		Philip III. . . . .	1621
Sancho I., 'the Colonizer' . . . . .	1185			
Affonso II., 'the Fat' . . . . .	1211		<i>IV. House of Braganza.</i>	
Sancho II., 'Capel' . . . . .	1223		Joan IV., 'the Restorer' . . . . .	1640
Affonso III., 'the Bolonian' . . . . .	1248		Affonso VI. . . . .	1656
Diniz, 'the Farmer' . . . . .	1279		Pedro II. . . . .	1683
Affonso IV., 'the Brave' . . . . .	1325		Joan V. . . . .	1706
Pedro, 'the Severe' . . . . .	1357		José . . . . .	1750
Ferdinando I., 'the Hand- some' . . . . .	1367		Maria I. and Pedro III. . . . .	1777
			Maria I. . . . .	1786
<i>II. House of Avis.</i>			Joan, Regent . . . . .	1799
Joan I., 'of Happy memory' . . . . .	1385		Joan VI. . . . .	1816
Duarte . . . . .	1433		Pedro IV. . . . .	1826
Affonso V., 'the African' . . . . .	1438		Maria II. . . . .	1826
Joan II., 'the Perfect' . . . . .	1481		Miguel I. . . . .	1828
Manoel, 'the Fortunate' . . . . .	1495		Maria II., restored . . . . .	1834
Joan III. . . . .	1521			
Sebastian, 'the Desired' . . . . .	1557		<i>V. House of Braganza-Coburg.</i>	
Cardinal Henrique . . . . .	1578		Pedro V. . . . .	1853
			Luis I. . . . .	1861
<i>III. The Spanish Dynasty.</i>			Carlos I. . . . .	1889
Philip I. (II. of Spain) . . . . .	1580			

### Constitution and Government.

The fundamental law of the Kingdom is the 'Constitutional Charter' granted by King Pedro IV., April 29, 1826, and altered by an additional Act, dated July 5, 1852. The crown is hereditary in the female as well as male line; but with preference of the male in case of equal birthright. The Constitution recognises four powers in the State, the legislative, the executive, the judicial, and the 'moderating' authority, the last of which is vested in the Sovereign. There are two legislative Chambers, the 'Camara dos Pares,' or House of Peers, and the 'Camara dos Deputados,' or House of Commons, which are conjunctively called the Cortes Geraes. The law of July 24, 1885, abolishes hereditary peerages, though only by a gradual process. The number of life peers appointed by the King will be 100, not including princes of the royal blood and the 12 bishops of the Continental dioceses. Until such time as the life peers are reduced to 100 in number, the King



can only appoint 1 peer for every 3 vacancies that take place. Peers living at the time when the law was passed, and their immediate successors, will continue to enjoy the right of sitting in the Chamber of Peers. There will be 50 elective peers, who must be chosen from one of the classes from which the King, under the law of May 3, 1878, may select life peers. They must possess certain property or literary qualifications, and be over 35 years of age. Five of these peers mentioned above are to be chosen indirectly by the University of Coimbra and certain other Portuguese scientific bodies. The delegates to meet at Lisbon. The remaining 45 peers will likewise be chosen indirectly by the different administrative districts. The delegates for Lisbon will return 4 peers; those for Oporto, 3; those for the other districts, 2 each. The members of the second Chamber are chosen in direct election, by all citizens twenty-one years of age who can read or write, possessing a clear annual income of 100 milreis, and by heads of families; electors must register themselves. The deputies must have an income of at least 390 milreis per annum; but lawyers, professors, physicians, or the graduates of any of the learned professions, need no property qualification. Continental Portugal is divided into ninety-four electoral districts, which, with Madeira and the Azores, return 149 deputies, or 1 deputy to 30,540 people. Deputies, with the exception of those for the Colonies (13 in number), receive no remuneration, but are entitled to free passage by State railways or vessels to or from Lisbon. The municipalities may however, if necessary, grant a subsidy not exceeding 3\$333 (14s. 10d.) per day to provincial deputies. The annual session lasts three months, and fresh elections must take place at the end of every four years. In case of dissolution a new Parliament must be called together immediately. The General Cortes meet and separate at specified periods, without the intervention of the Sovereign, and the latter has no veto on a law passed twice by both Houses.

The executive authority rests, under the Sovereign, in a responsible Cabinet, divided into seven departments, in charge of the following ministries:—

*Premier and Minister of Finance.*—E. R. *Hintze Ribeiro.*

*Foreign Affairs.*—*Carlos Lobo d'Avila.*

*Interior.*—*F. F. Pinto Castello Branco.*

*Justice and Worship.*—*A. d'Azevedo Castello Branco.*

*War.*—*Colonel L. A. Pimentel Pinto.*

*Marine and Colonies.*—*J. A. de Brissac dos Neves Ferreira.*

*Public Works, Industry, and Commerce.*—*Campos Henriques.*

The Sovereign is permitted, in important cases, to take the advice of a Council of State, or Privy Council, consisting, when full, of thirteen ordinary and three extraordinary members, nominated for life. The leading ministers, past and present, generally form part of the Privy Council.

### Area and Population

Continental Portugal is divided into six provinces and seventeen districts; in addition there are the Azores and Madeira, which are regarded as an integral part of the Kingdom. The area, according to the latest official geodetic data, and population, according to the census of January 1, 1878, and an official estimate for 1881, are given in the following table:—

Provinces and Districts	Area in sq. miles	Population	
		1878	1881
<b>Entre Minho-e-Douro :—</b>			
Vianna do Castello . . . . .	867	201,390	211,539
Braga . . . . .	1,058	319,464	336,248
Porto . . . . .	882	461,881	466,981
	2,807	982,735	1,014,768
<b>Tras-os-Montes :—</b>			
Villa Real . . . . .	1,718	224,628	225,090
Braganza . . . . .	575	168,651	171,586
	2,293	393,279	396,676
<b>Beira :—</b>			
Aveiro . . . . .	1,124	257,049	270,266
Vizeu . . . . .	1,920	371,571	872,208
Coimbra . . . . .	1,500	292,037	307,426
Guarda . . . . .	2,146	228,494	334,368
Castello Branco . . . . .	2,558	173,983	178,164
	9,248	1,323,134	1,377,432
<b>Estremadura :—</b>			
Leiria . . . . .	1,343	192,982	199,645
Santarem . . . . .	2,651	220,881	227,943
Lisbon . . . . .	2,882	498,059	518,884
	6,876	911,922	946,472
<b>Alemtejo :—</b>			
Portalegre . . . . .	2,484	101,126	105,247
Evora . . . . .	2,738	106,858	112,735
Beja . . . . .	4,209	142,119	149,187
	9,431	350,103	367,169
Carried forward . . . . .	30,655	3,961,173	4,102,517

Provinces and Districts	Area in sq. miles	Population	
		1878	1881
Brought forward . . . . .	30,655	3,961,173	4,102,517
Algarve (Faro) . . . . .	1,873	199,142	204,037
Total Continent . . . . .	32,528	4,160,315	4,306,554
Islands :—			
Azores . . . . .	1,005	259,800	269,401
Madeira (Funchal) . . . . .	505	130,584	132,223
Total Islands . . . . .	1,510	390,384	401,624
Grand total . . . . .	34,038	4,550,699	4,708,178

The population increased only 4·1 per cent. in the nine years from 1869 to 1878, or at the average rate of less than  $\frac{1}{2}$  per cent. per annum. The increase between 1878 and 1881 was 3·40 per cent., or at the rate of 1·15 per cent. per annum. Of the total population, mainland and islands, in 1878, 2,175,829 were males, and 2,374,870 females. The average density in the mainland (1881) is 124 per square mile; it is greatest in province Minho, 358 per square mile; and least in Alemtejo, where it is only 39 per square mile. The only non-Portuguese element in the population of any consequence is the gipsies; there are about 3,000 negroes in the coast towns. The population in the north is mainly Galician; further south there has been considerable intermixture with Arabs, Jews, as also with French, English, Dutch, and Frisians.

Portugal had in 1878 two towns with a population of above 20,000—Lisbon, with 246,343; and Oporto, with 105,838 inhabitants; the population of Braga was 19,755; Loulé, 14,448; Coimbra, 13,369; Evora, 13,046; Funchal (Madeira), 19,752; Ponta Delgada (Azores), 17,635. The total urban population on the mainland in 1878 was 490,386, and rural 3,669,929.

#### MOVEMENT OF THE POPULATION.

In 1889 there were 34,857 marriages; in 1890, 35,769 in Portugal, including 2,881 in 1889 and 3,097 in 1890 in the Azores and Madeira. The average for 1890 was 9·02 marriages per 1,000 of population.

The following table derived from official statistics shows the numbers of births and deaths in Continental Portugal and the Azores and Madeira for two years :—

	Births				Deaths	
	Legitimate	Illegitimate	Total 1890	Total 1889	1890	1889
Continent . . .	131,770	19,183	150,953	154,639	114,339	102,365
Islands . . .	12,863	811	13,674	13,646	12,898	9,848
Totals . . .	144,633	19,994	164,627	168,285	127,237	112,213

The average number of births in 1889 was 36·98 per 1,000 ; in 1888, 36·03 per 1,000. The average number of deaths in 1888 was 23·61 per 1,000. The natural increase of population in 1889 was 56,072 or 12 per 1,000.

The number of emigrants from Portugal during the period 1866-86 was 268,568. The following are the statistics for 1887-90, showing destination of emigrants :—

Years	Europe	Asia	Africa	America	Oceania	Total
1887	411	4	422	15,803	292	16,923
1888	349	19	656	22,952	5	23,981
1889	967	—	1,340	18,305	2	20,614
1890	476	12	1,879	27,038	16	29,421

In 1891, according to American statistics, 28,534 Portuguese arrived in Brazil and 1,590 in the United States. In 1892, 17,759, and in 1893, 28,109, embarked from Portugal to Brazil. The number that returned from Brazil to Portugal in 1891 was 11,906 ; in 1892, 15,513 ; in 1893, 15,591.

## Religion.

The Roman Catholic faith is the State religion ; but all other forms of worship are tolerated. The Portuguese Church is under the special jurisdiction of a ' Patriarch ' (of Lisbon), with extensive powers, two archbishops (Braga and Evora), and fourteen bishops (including the islands). The Patriarch of Lisbon is always a cardinal, and, to some extent, independent of the Holy See of Rome. Under the Patriarch are five home and five colonial bishops ; under the Archbishop of Braga, who has the title of Primate, are six ; and under the Archbishop of Evora three bishops. The total income of the upper hierarchy of the Church is calculated to amount to 300,000 milreis. There are 93,979 parishes, each under the charge of a presbitero, or incumbent. All the conventual establishments of Portugal were suppressed by decree of May 28, 1834, and their property confiscated for the benefit of the State. At that period there existed in the country 632 monasteries and 118 nunneries, with above 18,000 monks and nuns, and an annual income of nearly a million sterling. This revenue was applied to the redemption of the national debt ; while a library of 30,000 volumes was set up at the former convent of San Francisco, at Lisbon, from the collections of books and manuscripts at the various monasteries. The number of Protestants in Portugal, mostly foreigners, does not exceed 500. They have chapels at Lisbon and Oporto.

### Instruction.

The superintendence of public instruction is under the management of a superior council of education, at the head of which is the Minister of the Interior. Public education is entirely free from the supervision and control of the Church. By a law enacted in 1844, it is compulsory on parents to send their children to a place of public instruction; but this prescription is far from being enforced, and only a very small fraction of the children of the middle and lower classes really attend school. According to official returns of the total population, at the close of 1878 the number of illiterate inhabitants in Portugal and its islands is stated to be 3,751,774, or 82 per cent. of the total population, including, however, young children. The total school population in 1885 was 332,281. There were in Portugal and the adjacent islands in 1890 3,864 public primary schools for children with 181,738 pupils, of whom 123,693 were boys. There were also 175 primary schools for adults with 6,774 pupils. In addition to these there are about 1,600 private primary schools with over 60,000 pupils. For secondary instruction there are (1891) for boys 108 lycées with 52,241 pupils and 231 communal colleges with 32,873 pupils; while for girls there are 24 lycées with 3,955 pupils, and 26 colleges with 3,088 pupils. There are, besides, 3 municipal schools, 23 official lycées, and 5 normal schools, with, in all, 3,592 pupils. There are also (1883) 18 clerical schools with 2,038 pupils. At Lisbon there is a school of literature and one of fine art, the former with 21 and the latter with (including evening classes) 436 pupils in 1892. There are medical schools at Lisbon, Oporto, and Funchal with 280 pupils (1892); technical schools at Lisbon and Oporto with 566 pupils; industrial schools at Lisbon and Oporto with 839 pupils; and in other towns 23 industrial schools with 4,856 pupils. There are also (1892) 7 agricultural schools with 187 pupils. At Lisbon there is a military college with (1892) 226 pupils, an army school with 320 pupils, a naval school with a school for officers attached, having 93 pupils, and 11 other schools for special military or naval instruction. The University of Coimbra (founded in 1290), has faculties of theology (49 students in 1892), law (496 students), medicine (124), mathematics (165), and philosophy (332 students.)

The expenditure of the Ministry of Public Instruction, according to the budget of 1890-91, is 1,102,283 milreis, exclusive of 643,223 milreis to be expended through other ministries.

### Justice and Crime.

Justice is administered by means of a supreme tribunal, which sits in Lisbon and decides cases for the whole Portuguese dominions; Courts of 'Relação,' three in number (similar to the French 'Cour de Cassation'), at Lisbon, Oporto, and in the Azores; and courts of first instance in all district towns.

### Finance.

The revenue and expenditure for five years were:—

Years	Revenue			Expenditure		
	Ordinary	Extra-ordinary	Total	Ordinary	Extra-ordinary	Total
	Milreis	Milreis	Milreis	Milreis	Milreis	Milreis
1888-89	37,812,345	881,495	38,693,840	39,165,351	11,256,288	50,691,639
1889-90	39,234,696	200,602	39,435,297	42,780,655	11,578,943	54,359,598
1890-91	39,787,876	76,585	39,864,462	42,560,586	8,811,796	51,372,383
1891-92	38,478,908	164,500	38,643,209	45,666,787	9,280,297	54,947,083
1892-93 <sup>1</sup>	38,719,965	135,794	38,855,758	43,285,334	4,727,806	48,013,140

<sup>1</sup> Provisional.

The following are the revised estimates for 1893-94 :—

Revenue		Milreis	Expenditure		Milreis
Direct taxes :			Civil list		525,000
Property tax	.	3,107,000	Cortes		99,674
Industrial tax	.	1,170,000	Int. chargeable on Treasury		3,463,800
On annuities	.	4,576,380	Consolidated debt		12,352,555
Other taxes	.	2,322,050	Amortisable „		5,692,758
Registration	.	2,002,000	Annuities, &c.		17,805
Stamps	.	1,708,500	Ministry of Finance		3,573,799
Indirect taxes :			„ „ Interior		2,279,022
Import duties	.	15,299,600	„ „ Justice.		1,029,329
Lisbon octroi	.	2,122,500	„ „ War		5,123,474
Export duties	.	380,400	„ „ Marine and		
Other duties	.	3,058,160	Colonies		3,523,575
Additional taxes	.	1,725,800	„ „ Foreign Affairs		390,209
National property :			„ „ Public Works		4,741,964
Railways	.	1,593,000	Savings Bank		60,465
Posts and Telegraphs	.	1,059,000	Total ordinary.		42,963,433
Various	.	1,078,304	Extraordinary.		1,866,595
Receipts <i>d'ordre</i>	.	3,924,562	Total		44,830,028
Total		43,839,456	Total		44,830,028

The following are statistics of the Portuguese National Debt, showing its amount at various periods :—

Year	3 % Consolidated Fund		Amortisable		Floating Debt
	Internal	External	6 %	5 %, 4½ %, 4 % and various	
	Milreis	Milreis	Milreis	Milreis	Milreis
1853	25,704,627	3,667,435	—	—	—
1858	58,152,425	11,290,714	—	—	—
1863	90,053,802	17,182,619	—	—	—
1868	135,499,946	22,671,750	—	—	—
1873	204,507,489	31,571,908	2,034,000	1,377,270	—
1878	226,291,802	34,228,666	14,743,120	31,435,020	—
1883	235,681,119	43,513,350	16,273,360 <sup>1</sup>	53,614,890	—
1888	261,790,497	47,306,708	—	—	—
1889	261,761,197	46,366,708	—	87,018,082	12,683,972
1890	258,086,897	46,366,759	—	104,172,464 <sup>2</sup>	19,565,172

The annual interest on the debt (exclusive of amortisation) was 18,904,300 milreis. To amortise the floating debt, a new debt was issued in 1890, at 4½ %. for 36,000,000 milreis, upon the tobacco revenue. The proceeds of this loan were absorbed, the floating debt in 1891 being 23,011,608 milreis. In the 40 years 1853 to 1892 the proceeds of loans obtained by Portugal (including the floating debt) amounted to 312,168,000 milreis, or nearly 8,000,000 milreis annually.

In 1891 the finances became quite deranged, and steps were taken for the reduction of the amount of interest payable. The law of February 26, 1892, reduced by 30 per cent. the interest on the internal public debt payable in

<sup>1</sup> Paid up by conversion.

<sup>2</sup> All the old 5 % debt is converted into 4½ % bonds.

currency, and that of April 20, 1893, reduced by 66 $\frac{2}{3}$  per cent. the interest on the external debt to be paid in gold. An Act of May 19, 1893, granted permission for the conversion of external into internal debt until September 1, 1893. According to a Portuguese Government Report the condition of the consolidated 3 per cent. debt on October 30, 1893, and of the redeemable debt on June 1, 1894, with the interest, nominal and after the deductions, were as follows:—

	Capital	Interest		Amortisation
		Nominal	Reduced	
	Milreis	Milreis	Milreis	Milreis
Consolidated—				
Internal . .	342,198,736	10,265,962	7,186,173	—
External . .	187,794,340	5,633,830	1,877,943	—
Total . .	529,993,076	15,899,792	9,064,116	—
Redeemable—				
Internal . .	28,082,902	1,231,453	862,017	93,402
External . .	66,844,890	2,964,632	988,210	148,500
Tobacco . .	43,284,600	1,940,861	1,940,861	624,600
Total . .	138,212,392	6,136,946	3,791,088	866,502
General Total .	668,205,468	22,036,738	12,855,204	866,502

Thus (taking 4 $\frac{1}{2}$  milreis = £1) the total Portuguese debt amounts to £148,490,104, the nominal interest to £4,897,053, the reduced interest to £2,856,712, and the amortisation to £192,556. If 30 per cent. be added for the premium on gold for payments made abroad, the annual charge is 15,395,742 milreis, or £3,221,276.

### Defence.

The fortified places of the first class in Portugal are Lisbon (Monsanto, San Juliao-da-Bavra, and the maritime works), Elvas, Peniche, Valença, and Almeida. The defences of Lisbon are the only thoroughly modern ones, and are not yet complete; there are several naval harbours.

The army of the Kingdom is formed partly by conscription and partly by voluntary enlistment. Its organisation is based on the law of June 23, 1864, modified by subsequent laws in 1868, 1869, 1875, 1877, 1884, and 1885. The law of Dec. 31, 1884, is now the fundamental one for the general organisation of the army. The conscription is ruled by the law of 1887, modified in 1891, and in 1892. All young men of 21 years of age, with certain exceptions, are obliged to serve. The contingent for 1892–93 numbered 14,264 men. The effective is fixed annually by the Cortes. By the law of 1884 the army consists of 24 regiments of infantry, 12 regiments of chasseurs, 10 regiments of cavalry, 3 regiments of mounted artillery, 1 brigade of mountain artillery, 1 regiment and 4 batteries of garrison

artillery, and 1 regiment of engineers. The duration of service is 12 years, 3 with the active army, 5 in the first, and 4 in the second reserve. The strength of the army, including the Municipal Guards and the Fiscal Guard, was in 1893 34,172 officers and men of all ranks. There were 4,665 horses and mules. The war effective is about 150,000 men, 23,000 horses and mules, and 264 guns. There are maintained in the colonies 8,880 officers and men, besides native troops.

The navy of Portugal comprises:—1 armoured cruiser, the *Vasco da Gama*; 4 second class protected cruisers (projected or building); 28 vessels which may be grouped as third class cruisers, one only of which has a sea-speed of more than 10 knots (these including 6 corvettes and 22 gunboats); 5 first class torpedo boats, 3 of the second class, and 1 of the third-class, besides 2 smaller and a submarine-boat. In addition there are several training ships, transports, &c. It has recently been stated that a large building programme is contemplated for the reconstitution of the fleet:—2 cruisers (2,600 tons), 2 coast defence armourclads (2,300 tons), 4 corvettes (1,000 to 1,300 tons), 4 gunboats, 4 river gunboats, 12 sea-going and 23 smaller torpedo boats, and 2 transports.

The largest war-ship of the Portuguese navy is the ironclad cruiser *Vasco da Gama*, built at the Thames Ironworks, Blackwall, and launched in December 1875. She is plated with armour 11 inches thick on central battery, and a belt from 10 to 7 inches thick, and carries 2 18-ton guns, 1 4-ton, 2 Hotchkiss, quick-firing guns, and 2 machine guns. Her displacement is 2,420 tons, and her speed 13 knots.

The navy was (1892) officered by 2 vice-admirals, 5 rear-admirals, 16 captains, 25 frigate captains, 35 lieutenant-captains, 80 lieutenants, 50 sub-lieutenants, besides midshipmen, surgeons, engineers, &c.; and had 3,500 sailors, exclusive of 400 men in the colonies.

### Production and Industry.

Of the whole area of Portugal 2·2 per cent. is under vineyards; 7·2 per cent. under fruit trees; 12·5 per cent. under cereals; 2·7 per cent. under pulse and other crops; 26·7 per cent. pasture and fallow; and 2·9 per cent. under forest; 45·8 per cent. waste. In Alemtejo and Estremadura and the mountainous districts of other provinces are wide tracts of common and waste lands, and it is asserted that from 2,000,000 to 4,000,000 hectares, now uncultivated, are susceptible of cultivation.

There are four modes of land tenure commonly in use:—Peasant proprietorship, tenant farming, métayage, and emphyteusis. In the northern half of Portugal, peasant proprietorship and emphyteusis prevail, where land is much subdivided and the 'petite culture' practised. In the south large properties and tenant farming are common. In the peculiar system called *aforamento* or emphyteusis the contract arises whenever



the owner of any real property transfers the *dominium utile* to another person who binds himself to pay to the owner a certain fixed rent called *foro* or *canon*. The landlord, retaining only the *dominium directum* of the land, parts with all his rights in the holding except that of receiving quit-rent, the right to distrain if the quit-rent be withheld, and the right of eviction if the *foro* be unpaid for more than five years. Subject to these rights of the landlord, the tenant is master of the holding, which he can cultivate, improve, exchange, or sell; but in case of sale the landlord has a right of pre-emption, compensated by a corresponding right in the tenant should the quit-rent be offered for sale. This system is very old—modifications having been introduced by the civil code in 1868.

The chief cereal and animal produce of the country are:—In the north, maize and oxen; in the mountainous region, rye and sheep and goats; in the central region, wheat and maize; and in the south, wheat and swine, which fatten in the vast acorn woods. Throughout Portugal wine is produced in large and increasing quantities. Olive oil, figs, tomatoes are largely produced, as are oranges, onions, and potatoes.

Portugal possesses considerable mineral wealth, but coal is scarce, and, for want of fuel and cheap transport, valuable mines remain unworked. The quantity of iron ore produced in 1889 was 1,588 tons, valued 440*l.*; copper ore, 181,520 tons, value 97,470*l.*; zinc ore, 6 tons, value 340*l.*; antimony ore, 1,509 tons, value 32,010*l.*; manganese ore, 5,893 tons, value 17,820*l.*; lead ore, 1,308 tons, value 9,745*l.*; gold ore, 13 tons, value 77*l.* Common salt gypsum, lime, and marble are exported. The number of concessions of mines existing in 1885 was 432; and the area conceded extended over 49,446 hectares. The quantity of ore produced in that year was 104,595 metric tons, of the value of 1,007,398 milreis; of which 88,576 metric tons were exported and the remainder kept for home use. The number of persons employed in mining work was 5,450, of whom 4,859 were males (483 under 15), and 591 females (113 under 15). The machinery employed in mining consisted of 22 hydraulic machines and 71 steam engines of (in all) 2,732 horse-power.

There are three cotton factories at work for exportation to Angola. The population engaged in industries of various kinds, exclusive of agriculture, in 1881 was 90,998.

Portugal has about 4,000 vessels engaged in fishing, and the exports of sardines and herrings are considerable.

### Commerce.

The following table shows the value of the imports for consumption and the exports for five years:—

Years	Imports	Exports
	Milreis	Milreis
1889	51,458,456 <sup>1</sup>	32,843,141
1890	55,733,225 <sup>1</sup>	32,648,929
1891	39,529,946	31,872,000
1892	34,589,690	33,975,520
1893	39,845,163	29,288,222

<sup>1</sup> General Imports.

The following table shows for 1891 the imports for consumption from and exports to the leading countries :—

Countries	Imports	Exports
	Milreis	Milreis
Great Britain . . . . .	13,573,213	7,993,026
Germany . . . . .	6,303,052	2,065,911
France . . . . .	6,862,151	1,522,329
Brazil . . . . .	1,951,034	5,180,638
United States . . . . .	5,148,096	729,508
Spain . . . . .	2,933,351	879,505
Belgium . . . . .	2,246,425	504,260

The following table shows the declared values of the leading special imports and exports in 1893 :—

Imports		Exports	
	Milreis		Milreis
Cereals . . . . .	5,747,000	Wine . . . . .	11,226,000
Cotton & cotton goods.	4,434,000	Cork . . . . .	2,893,000
Wool . . . . .	1,737,000	Sardines . . . . .	968,000
Machinery . . . . .	640,000	Copper . . . . .	1,679,000
Iron . . . . .	2,000,000	Animals . . . . .	578,000
Coal . . . . .	1,688,000	Onions . . . . .	499,000
Sugar . . . . .	1,868,000	Cotton Goods . . . . .	548,000
Fish . . . . .	1,958,000		
Leather and Hides . . . . .	1,096,000		
Chemicals . . . . .	505,000		
Animals . . . . .	1,054,000		
Timber . . . . .	675,000		

In 1893 bullion and specie were imported to the value of 1,530,383 milreis, and exported 5,929,483 milreis.

Wine is the most important product; the export in 1888 was valued at 12,946 contos; in 1889, at 12,323 contos; in 1890, at 10,898 contos. In 1892 the wine shipped from Oporto was valued at 10,320 contos; in 1893, at 8,604 contos; and in 1894, at 7,797 contos. Most of the wine shipped at Oporto is sent to England, considerable quantities being exported also to Brazil and to Germany. The chief exports of port and Madeira are to England, and of other wines to Brazil.

The subjoined table gives the total value of the imports from Portugal into the United Kingdom and of the exports of British produce to Portugal, in the last five years, according to the Board of Trade returns :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U.K. from Portugal . . . . .	3,106,710	2,942,194	2,952,965	3,440,822	2,377,892
Exports of British produce to Portugal . . . . .	2,506,583	2,157,784	2,018,597	1,395,191	1,739,090

Wine is the staple article of import from Portugal into the United Kingdom, the value amounting in 1893 to 978,617*l.* Other imports from Portugal are:—copper ore and regulus, 204,932*l.*; cork, 322,104*l.*; fruits, 111,887*l.*; fish, 103,856*l.*; onions, 78,167*l.*; wool, 76,819*l.*; caoutchouc, 74,490*l.* in 1893. The exports of British home produce to Portugal embrace cotton goods and yarn to the value of 499,985*l.*; iron, wrought and unwrought, valued at 216,617*l.*; woollens and worsted, 57,193*l.*; butter, 35,214*l.*; coal, 207,224*l.*; machinery, 78,853*l.* in 1893.

The subjoined table shows the quantity and declared value of wine imported into the United Kingdom from Portugal in each of the last five years:—

Years	Quantities	Value
	Gallons	£
1889	4,203,844	1,340,080
1890	3,991,359	1,189,397
1891	4,329,169	1,275,552
1892	5,560,654	1,750,805
1893	3,181,841	978,617

In 1893 the total imports of wine from all countries into the United Kingdom amounted to 14,675,201 gallons, valued at 5,302,202*l.*; consequently the imports from Portugal were 21 per cent. of the total quantity, and 18 per cent. of the total value of the wine imported.

### Shipping and Navigation.

The commercial navy of Portugal consisted on January 1, 1893, of 186 registered vessels (including 44 steamers) of 104,394 total tonnage.

Including vessels calling at different ports, there entered the ports of Portugal, the Azores, and Madeira from abroad in 1893, 2,053 sailing vessels of 304,754 tons, and 3,820 steamers of 5,488,415 tons, total 5,873 vessels of 5,793,169 tons; and cleared 2,102 sailing vessels of 307,966 tons, and 3,845 steamers of 5,531,805 tons, total 5,947 vessels of 5,839,771 tons. In the coasting trade there entered 4,450 vessels of 1,234,796 tons, and cleared 4,417 vessels of 1,202,587 tons.

### Internal Communications.

The length of railways open for traffic in 1892 was 1,419 miles, of which 914 miles belonged to the State. All the railways receive subventions from the State.

The number of post-offices in the Kingdom in December 1891 was 3,091. There were 29,065,000 letters, 5,061,000 post-cards, and 25,455,000 newspapers, samples, &c., carried in the year 1891. The number of telegraph offices at the end of 1889 was 366. There were at the same date 3,985 miles of line and 8,839 miles of wire. The number of telegrams transmitted, received, and in transit in the year 1889 was 1,354,827.

### Money and Credit.

At the end of October 1890 the Portuguese Savings Bank had 11,314 accounts, with deposits amounting to 2,450,355 milreis.

At the beginning of 1890 there were 37 banks with cash in hand

14,637,868 milreis, bills 35,756,712 milreis, loans on security 5,316,431 milreis, deposits 36,797,849 milreis, note circulation 12,109,624 milreis. On June 30, 1894, the situation of the Bank of Portugal was as follows:—Metallic stock 9,490,000 milreis, note circulation 50,600,000 milreis, accounts current and deposits 2,400,000 milreis, commercial account 12,400,000 milreis, advances on securities 6,300,000 milreis, balance against Treasury 10,200,000 milreis.

## Money, Weights, and Measures.

### MONEY.

The *Milreis*, or 1,000 *Reis* is of the value of 4s. 5d., or about 4·5 milreis to the £1 sterling. Large sums are expressed in *Contos* (1,000 milreis of the value of £222 4s. 5d.).

Gold coins are 10, 5, 2, and 1 milreis pieces, called the *corôa*, *meia corôa*, &c. The gold 5 milreis piece weighs 8·8675 grammes, ·916 fine, and consequently contains 8·12854 grammes of fine gold.

Silver coins are 5, 2, 1, and half-testoon (*testao*) pieces, or 500, 200, and 50-reis pieces. The 5-testoon piece weighs 12·5 grammes, ·916 fine and therefore contains 11·4583 grammes of fine silver.

Bronze coins are 40, 20, 10, and 5 reis pieces.

The standard of value is gold. The English sovereign is legal tender for 4,500 reis. In the present derangement of the monetary system, Bank of Portugal paper is chiefly in circulation.

### WEIGHTS AND MEASURES.

The metric system of weights and measures is the legal standard. The chief old measures still in use are:—

The <i>Libra</i>	.	.	= 1·012 lb. avoirdupois.
„ <i>Almude</i>	{ of Lisbon	= 3·7 imperial gallons.	
„ <i>Alquiere</i>	{ „ Oporto	= 5·6	„ „
„ <i>Moio</i>	.	.	= 0·36 „ bushel.
			= 2·78 „ quarters.

## Diplomatic Representatives.

### 1. OF PORTUGAL IN GREAT BRITAIN.

*Envoy and Minister*—Senhor Luis de Soveral, appointed Envoy and Minister to Great Britain, January 1891.

*1st Secretary*.—Senhor C. Cyrillo Machado.

*2nd Secretary*.—A. de Castro.

*Attaché*.—Baron de Costa Ricci.

*Consul-General in London*.—Ferreira Pinto Basto.

There are Consular representatives at Bristol, Cork, Dublin, Dundee, Leith, Glasgow, Hull, Liverpool, Newcastle, Southampton; Bombay, Cape of Good Hope, Ceylon, Hong Kong, Melbourne, Newfoundland, New Zealand, Quebec, Singapore, Sydney.

### 2. OF GREAT BRITAIN IN PORTUGAL.

*Envoy and Minister*.—Sir H. G. MacDonell, K.C.M.G., C.B., appointed to Lisbon January 1, 1893.

*Secretary*.—C. Conway Thornton.

There are Consular representatives at Lisbon, Oporto; Beira, Loanda, Lorenzo Marques, Macao, Funchal (Madeira), Mozambique, Quilimane, St. Michael's (Azores), St. Vincent (Cape Verdes).

### Dependencies.

The colonial possessions of Portugal, situated in Africa and Asia, are as follows :—

Colonial Possessions	Area: English square miles	Population
<b>1. Possessions in Africa :</b>		
Cape Verde Islands (1885) . . . .	1,650	110,930
Guinea (1885) . . . . .	14,000	800,000
Prince's and St. Thomas' Islands (1878-9)	454	21,040
Angola, Ambriz, Benguela, Mossamedes, and Congo . . . . .	457,500	2,000,000
East Africa . . . . .	261,700	1,500,000
<b>Total, Africa . . . . .</b>	<b>735,304</b>	<b>4,431,970</b>
<b>2. Possessions in Asia :</b>		
In India—Goa (1887) . . . . .	1,447	494,836
Damao, Din, &c. (1887) . . . . .	158	77,454
Indian Archipelago (Timor, &c.) . . . .	6,290	300,000
China : Macao, &c. (1878-85) . . . . .	5	67,030
<b>Total, Asia . . . . .</b>	<b>7,900</b>	<b>939,320</b>
<b>Total, Colonies . . . . .</b>	<b>743,204</b>	<b>5,371,200</b>

The following table shows the colonial budgets for the year 1894-95, and imports and exports in 1891 :—

Colonies	Revenue 1894-95	Ordinary and Extraordinary Expenditure 1894-95	Imports	Exports
	Milreis	Milreis	Milreis	Milreis
Angola . . . . .	1,634,800	1,532,637	2,870,000	3,250,000
Cape Verde . . . . .	259,170	265,757	252,000	240,000
Guinea . . . . .	67,990	174,708	95,000	43,000
St. Thomas . . . . .	293,490	232,359	315,000	1,480,000
East Africa . . . . .	1,335,880	1,555,138	400,000	60,000
India (Goa) . . . . .	849,741	959,436	2,000	45,000
Macao and Timor . . . . .	488,243	442,827	5,000	3,000
<b>Total . . . . .</b>	<b>4,929,314</b>	<b>5,162,862</b>	<b>3,939,000</b>	<b>5,121,000</b>

The imports into Timor in 1893 amounted to 123,130*l*. Exports from Macao are opium, tea (195,027 chests in 1893), silk (425 bales in 1893), oils, feathers, rice, soy, &c.

At St. Thomas in 1893 the imports amounted to 1,035,063 milreis ; exports to 1,046,820 milreis, chiefly coffee and cocoa.

The value of the trade between the United Kingdom and the Portuguese possessions in 1893 was :—

—	Imports into U. K. from	Exports from U. K. to	—	Imports into U. K. from	Exports from U. K. to
	£	£		£	£
Azores .	59,446	60,364	East African	42,971	315,267
Madeira .	54,785	77,743	Indian .	nil	1,225
West African	36,511	373,040	Macão .	6,932	92
—			Total .	200,645	827,731

In Angola there were in 1894 180 miles of railway in operation and 230 in construction or projected. A telegraph cable between the Cape of Good Hope and Loanda has been laid, completing the telegraphic circuit of Africa. There are 260 miles of telegraph in the colony.

The area of Mozambique and dependencies is that within the limits of the arrangement between Great Britain and Portugal of June 1891. (*See* South Africa, British and Central Africa.)

By a decree of September 30, 1891, the Colony of Mozambique was constituted as the State of East Africa (*Estado d'África Oriental*), and divided into two provinces, viz., that of Mozambique, north of the river Zambezi, with the city of the same name for its capital, and that of Lourenço Marques, south of the Zambezi, with the town of that name for its capital. The State is administered by a royal commissioner appointed for three years, and residing in the capitals of the provinces alternately. The province of Mozambique includes, besides the districts of Mozambique and Quilimane, three *intendencias* in the region conceded September 26, 1891, to the Cape Delgado Company; while the province of Lourenço Marques includes, besides the district of that name, three *intendencias* in the region conceded July 30, 1891, to the Inhambane Company, and three in the region conceded February 11 and July 30, 1891, to the Mozambique Company. The State has a colonial military force and a small navy. Every settlement on the coast has its municipality, police, tribunals of justice, and other administrative authorities, civil and ecclesiastical. The estimated revenue of Mozambique for the year 1893-94 was 1,169,375 milreis, and expenditure 1,334,295 milreis.

In 1893 the imports into the five ports of Mozambique, Quilimane, Ibo, Inhambane, and Lourenço Marques, were valued at 2,381,930 milreis, and the exports at 1,114,920 milreis. In 1892 the imports amounted to 2,567,276 milreis, and the exports to 1,330,359 milreis.

The chief articles imported into the colony were cotton goods, spirits, beer, and wine. The chief articles exported were oil-nuts and seeds, caoutchouc, and ivory.

The sugar industry is being developed at Quilimane, where 600 tons of sugar have been shipped to Portugal, and 10,000 gallons of rum sold for consumption in the neighbourhood. In 1893, 243 vessels, of 338,430 tons (260,922 tons British, 58,929 tons German, 3,017 tons Portuguese), entered and cleared at Lourenço Marques. At Beira, in nine months of 1893, 91 vessels of 85,597 tons (mostly British), entered and cleared.

In 1894 the colony had 57 miles of railway (Delagoa Bay) open. This line is being continued to Pretoria, the additional 290 miles being undertaken by the Netherlands Company; about 116 miles of the extension are open for traffic, and transport for the rest of the distance to Pretoria is easily obtainable.

There are 230 miles of telegraph in East Africa, and 55 under construction. From Lourenço Marques messages may be sent to all places of any importance in South Africa.

*Consul* to Portuguese Possessions in West Africa south of the Gulf of Guinea.—W. C. Pickersgill, C.B., residing at Loanda.

## Statistical and other Books of Reference.

### 1. OFFICIAL PUBLICATIONS. PORTUGAL.

Collecção de Tratados, convenções, contractos, e actos publicos celebrados entre a corte de Portugal e as mais Potencias d'este 1640 ate ao presente. Per Borges de Castro e Judice Byker, 30 vols. 1856-1879

Nova Collecção de Tratados, &c. 2 vols. 1890-1891.

Annuario da Direcção Geral da Administração civil e politica do Ministerio do Reino.

Annuario estatístico de Portugal, 1884-1887. Ministerio das obras publicas, Lisboa.

Boletim da Direcção Geral de Agricultura, 1891 e 1892.

Estatistica de Portugal—Commercio do continente do reino e ilhas adjacentes com paizes estrangeiros, &c. From 1880 to 1890. Lisboa, 1892.

Annuario Estatístico da Direcção Geral das contribuicoes directas. Ministerio da Fazenda. From 1877 to 1887.

Contas de gerencia de anno economico de 1891-1892.

Diario das Camaras. Lisbon, 1894.

Boletim estatístico (monthly) da Direcção Geral das Alfandegas (Nov. 1892).

Orçamento geral e proposta de lei das receitas e das despesas ordinarias do estado na metropole para o exercicio de 1894-95. Lisbon, 1894.

Conta Geral de administração financeira do Estado. 1891-1892.

O movimento da população nos annos de 1889 e 1890 publicado pela Direcção Geral de Commercio e Industria. Lisbon, 1892.

Foreign Office Reports, Annual and Miscellaneous Series. London, 1894.

*Hertslet* (Sir E.), Foreign Office List. Published annually. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.

#### DEPENDENCIES.

Boletim official da Provincia de Angola.

Boletim official da Provincia de Moçambique.

Correspondence respecting Portuguese Claims in South Africa. London, 1889

Correspondence respecting the Delagea Bay Railway. London, 1889.

Documentos apresentados ás Cortes na sessão legislativa de 1891: negocios d' Africa. Corresp. com a Inglaterra: negocios de Moçambique, dos Matabeles e Amatongas. 1 vol. Negocios da Africa oriental e central. 1 vol. Negociações do tratado com a Inglaterra. 1 vol.

Foreign Office Reports, Annual Series. Trade of Macao and Timor, 1893, No. 1,457; of Mozambique, No. 1,463. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Aldama-Ayala* (G. de), Compendio geographico-estadístico de Portugal e sus posesiones ultramarinas. 8. Madrid, 1880.

*Crawford* (Oswald), Portugal: Old and New. 8. London, 1880.

— Round the Calendar in Portugal. London, 1890.

*Eschwege* (Wilhelm L. von), Portugal: ein Staats- und Sittengemälde, nach dreissigjährigen Beobachtungen und Erfahrungen. 8. Hamburg, 1837.

*Herculano* (Alexandre), Historia de Portugal desde o começo da Monarchia ateo fim do reinado de Affonso III. (1097-1279). 4 vols. Lisbon, 1863.

*Lavigne* (Germond de), L'Espagne et le Portugal. 8. Paris, 1883.

*MacMurdo* (E.), History of Portugal. 3 vols. 8. London, 1888.

*Morse Stephens* (H.), Portugal: Story of the Nations Series. London, 1890.

*Oliveira Martins* (J. P.), Historia de Portugal. 2 vols. Lisbon, 1880.

— (J. P.), Portugal contemporaneo. 2 vols. Lisbon, 1881.

— Historia da Civilisação iberica. Lisbon, 1879.

— Politica e economica nacional. Porto, 1885.

*Pinheiro Chagas*, Historia de Portugal. 8 v. (2 ed.).

#### DEPENDENCIES.

As colonias Portuguezas. Revista illustrada. Lisbon. Published monthly.

*Corvo* (Andrade), Colonias Portuguezas. 4 vols. Lisbon, 1883-87.

*Keltie* (J. S.), Partition of Africa. 2 ed. London, 1895.

*La Teillais* (C. de), Etude historique, économique et politique sur les colonies portugaises, leur passé, leur avenir. 8. Paris, 1872.

*Oliveira Martins* (J. P.), O Brasil e as colonias portuguezas. Lisbon, 1888.

— Portugal em Africa. Porto, 1891.

— Portugal nos mares. Lisbon, 1889.

*Monteiro* (J. J.), Angola and the River Congo. 2 vols. 8. London, 1875.

*Monteiro* (Rose), Delagea Bay, its Natives and Natural History. 8. London, 1891.

## ROUMANIA.

### Reigning King.

**Carol I.** King of Roumania, born April 20, 1839, son of the late Prince Karl of Hohenzollern-Sigmaringen; elected 'Domn,' or Lord, of Roumania, April 20,<sup>1</sup> 1866; entered Bucharest May 22,<sup>1</sup> 1866. Proclaimed King of Roumania March 26,<sup>1</sup> 1881. Married, November 15, 1869, to Princess Elizabeth von *Neuwied*, born Dec. 29, 1843.

The King has, in addition to revenues from certain Crown lands, an annual allowance of 1,185,185 lei, or 47,400*l.*

The succession to the throne of Roumania, in the event of the King remaining childless, was settled, by Art. 83 of the Constitution, upon his elder brother, Prince Leopold of Hohenzollern-Sigmaringen, who renounced his rights in favour of his son, Prince Wilhelm, the act having been registered by the Senate in October 1880. Prince Wilhelm, on November 22, 1888, renounced his rights to the throne in favour of his brother, Prince Ferdinand, born August 24, 1865, who, by a decree of the King, dated March 18, 1889, was created 'Prince of Roumania.' Prince Ferdinand was married, January 10, 1893, to Princess Marie, daughter of the Duke of Edinburgh; offspring of the union is Carol, born October 15, 1893; Elisabeth, born October 11, 1894.

The union of the two Principalities of Wallachia and Moldavia was publicly proclaimed at Bucharest and Jassy on Dec. 23, 1861, the present name being given to the united provinces. The first ruler of Roumania was Colonel Couza, who had been elected 'Hospodar,' or Lord, of Wallachia and Moldavia in 1859, and who assumed the government under the title of Prince Alexandru Joan I. A revolution which broke out in February 1866 forced Prince Alexandru Joan to abdicate, and led to the election of Prince Carol I. The representatives of the people, assembled at Bucharest, proclaimed Roumania's independence from Turkey, May 21,<sup>1</sup> 1877, which was confirmed by Art. 43 of the Congress of Berlin, signed July 13,<sup>1</sup> 1878.

### Constitution and Government.

The Constitution now in force in Roumania was voted by a Constituent Assembly, elected by universal suffrage, in the summer of 1866. It has twice been modified—viz., in 1879, and again in 1884. The Senate consists of 120 members, elected for 8 years, including 2 for the Universities, and 8 bishops. The Chamber of Deputies consists of 183 members, elected for 4 years. A Senator must be 40 years of age, and a Deputy 25. Members of either House must be Roumanians by birth or naturalisation, in full enjoyment of civil and political rights, and domiciled in the country. For the Senate an assured income of 9,400 lei (376*l.*) is required. All citizens of full age, paying taxes, are electors, and are divided into three Electoral Colleges. For the Chamber of Deputies, electors who are in possession of property bringing in 50*l.* or upwards per annum vote in the first College. Those having their domicile and residence in an urban commune, and paying direct taxes to the State of 20 fr. or upwards annually, or being persons exercising the liberal professions, retired officers, or State pensioners, or who have been through the primary course of education, vote in the second College. The third College is composed of those who, paying any tax, however small, to the State, belong to neither of the other colleges; those of them who can read and write and have an income of 300 lei (12*l.*) from rural land, vote directly, as do also the village priests and schoolmasters, the rest vote indirectly. For the Senate

<sup>1</sup> The dates here given are 'new style'; the Julian Calendar, or 'old style,' follow in Roumania, is 12 days behind.



there are only two Colleges. The first consists of those electors having property yielding annually at least 80*l.* ; the second, of those persons whose income from property is from 32*l.* to 80*l.* per annum. Both Senators and Deputies receive 25 lei (francs) for each day of actual attendance, besides free railway passes. The King has a suspensive veto over all laws passed by the Chamber of Deputies and the Senate. The executive is vested in a council of eight ministers, the President of which is Prime Minister, and may or may not have a special department.

#### LOCAL GOVERNMENT.

For purposes of local government Wallachia is divided into seventeen, Moldavia into thirteen, and Dobrogea into two districts, each of which has a prefect, a receiver of taxes, and a civil tribunal. (The chief difference between Dobrogea and the other districts is that it does not elect senators or deputies.) In Roumania there are 227 arrondissements (plăși) and 2,976 communes, 71 urban and 2,905 rural. The appellations 'urban' and 'rural' do not depend on the number of inhabitants, but are given by law.

#### Area and Population.

The area and population of Roumania are only known by estimates. The total actual area is 48,307 square miles, and the estimated population (1893), including Dobruja, is 5,800,000. A census will be taken in 1895. The Roumanian is a Latin dialect, with many Slavonic words ; it was introduced by the Roman colonists who settled in Dacia in the time of Trajan. The people themselves, though of mixed origin, may now be regarded as homogeneous. Roumanians are spread extensively in the neighbouring countries—Transylvania, Hungary, Servia, Bulgaria ; their total number probably is between 9 and 10 millions. Included in the population of Roumania Proper are 4½ million Roumanians, about 300,000 Jews, 200,000 Gipsies, 50,000 Bulgarians, 20,000 Germans, 37,400 Austrians, 20,000 Greeks, 15,000 Armenians, 2,000 French, 1,500 Magyars, 1,000 English, besides about 3,000 Italians, Turks, Poles, Tartars, &c. The total population of the Dobruja is estimated at 200,000, comprising about 77,000 Roumanians, 30,000 Bulgarians, 30,000 Turks, 10,000 Lipovani (Russian heretics), 9,000 Greeks, 3,000 Germans, and 4,000 Jews, in 1889-90.

The number of births, deaths, and marriages, with surplus of births over deaths, was as follows (including the Dobruja) in each of the last five years :—

Years	Births	Deaths	Marriages	Surplus of Births over Deaths
1889	213,222	142,869	41,122	70,353
1890	204,667	150,786	38,644	53,881
1891	228,283	162,287	44,267	65,996
1892	211,407	187,543	41,276	23,864
1893	222,652	170,251	48,804	52,401

Not included in the births and deaths are the still-born, over 1 per cent. of the total births. The illegitimate births are (1890) about 6 per cent. of the total number.

According to the results of an inquiry for fiscal purposes in 1890, the population of the principal towns was as follows :—Bucharest, the capital and seat of Government, 194,633 ; Jassy, 72,892 ; Galatz, 59,143 ; Braila, 46,715 ; Botosani, 31,024 ; Ploësti, 34,474 ; Craiova, 30,081 ; Berlad, 20,008 ; Focsani, 17,039. These numbers, however, are regarded as too low.

### Religion.

Of the total population of Roumania Proper it is estimated that 4,529,000 belong to the Orthodox Greek Church, 114,200 are Roman Catholics, 13,800 Protestants, 15,000 Armenians, 10,000 Lipovani (Russian heretics), 300,000 Jews, 20,000 to 30,000 Mahometans. The government of the Greek Church rests with two archbishops, the first of them styled the Primate of Roumania, and the second the Archbishop of Moldavia. There are, besides, six bishops of the National Church, and one Roman Catholic bishop.

### Instruction.

Education is free and compulsory 'wherever there are schools,' but is still in a very backward condition. In 1893 there were 3,659 primary schools, with about 221,000 pupils, or 3·97 per cent. of the total population (in Great Britain the proportion is 12·8 per cent.) There are 8 normal schools, with 770 pupils; 52 high schools, with 10,227 pupils; 2 universities (Bucharest and Jassy), with faculties in law, philosophy, science, and medicine, and having about 110 professors and teachers and 900 students.

### Finance.

The chief sources of revenue consist in direct and indirect taxes, and the profits derived from the extensive State domains and valuable salt-mines, and from the salt and tobacco monopolies. A tax, at the rate of 6 lei (4s. 9d.) per head, called 'Contribution for means of Communication,' is, with certain exceptions, levied on all persons over 21 years of age. There is an income tax of 6 per cent. on houses, 5 per cent. for property farmed by a resident owner, 6 per cent. for property let by an owner resident in Roumania, and 12 per cent. for estates whose owners reside abroad. The following table shows the revenue and expenditure for the last five years ending March 31 (old style) :—

—	1889-90	1890-91	1891-92	1892-93	1893-94
	Lei	Lei	Lei	Lei	Lei
Revenue	159,849,907	170,353,796	180,147,096	182,095,596	219,597,336
Expenditure	158,770,924	162,116,869	168,404,894	178,532,004	199,261,159

For 1894-95 revenue and expenditure 203,170,765 lei.

The following are the budget estimates for 1895-96 :—

REVENUE.		EXPENDITURE.	
	Lei		Lei
Direct taxes . . . .	32,390,000	Public Debt . . . .	74,772,248
Indirect ,, . . . .	63,910,000	Council of Ministers . .	66,500
State monopolies . . .	48,700,000	Ministries :—	
Ministries :—		War . . . . .	41,016,134
Agriculture, &c. . . .	28,436,500	Finance . . . . .	25,555,325
Public Works . . . .	13,919,000	Worship and Public	
Interior . . . . .	10,220,000	Instruction . . . .	26,114,900
Finance . . . . .	2,820,000	Interior . . . . .	21,312,900
War . . . . .	1,389,000	Public Works . . . .	6,318,500
Instruction and Worship	868,000	Justice . . . . .	6,610,796
Foreign Affairs . . . .	255,000	Agriculture, &c. . . .	5,950,405
Justice . . . . .	2,500	Foreign Affairs . . . .	1,719,341
Various . . . . .	7,390,000	Supplementary credit . .	862,951
Total . . . . .	210,300,000	Total . . . . .	210,300,000

The public debt of Roumania amounted on April 1, 1894, to 1,069,640,793 lei. Of the total amount more than half has been contracted for public works, mainly railways. The remainder has been contracted to cover deficits, reduce unfunded debt, and pay off peasant freeholds.

### Defence.

The entire military strength of Roumania consists of the Active Army, divided into Permanent and Territorial, each with its reserve; the Militia and the *levée en masse*. Every Roumanian from his 21st to his 46th year is liable to military service. He must enter (as decided by lot) either the permanent army for 3 years of active service, the territorial infantry for 5 years of active service, or the territorial cavalry for 4 years of active service, and afterwards, till the age of 30, serve in the reserve of the army to which he belongs. Every retired officer must serve in the reserve till the age of 37. From their 30th to their 36th year conscripts and all young men who have not been conscripts, belong to the militia, and from the 36th to the 46th year to the *Gloata* or *levée en masse*. The army is also kept up to its strength by the enlistment of volunteers and the re-enlistment of men in the reserve.

According to the organisation in force since 1891, the army consists of Infantry: 4 battalions of rifles or chasseurs; 33 regiments of infantry (Dorobantzi), of 3 battalions each, 1 permanent, 2 territorial, and 1 platoon not in the ranks; Cavalry: 3 regiments of hussars (Roshiori); 12 regiments of light cavalry (Calarashi), of which 4 consist of 4 permanent squadrons and 1 territorial, and 8 consist of 1 permanent squadron and 3 territorial (there are, besides, 2 territorial squadrons in Dobrogea); Gendarmerie: 2 companies on foot, and 3 squadrons mounted; Artillery: 12 regiments of field artillery, with 60 batteries and 1 regiment of siege artillery; Engineers: 2 regiments. The Administrative Troops consist of 40 officers, 3 companies of artificers, and 4 squadrons of train. The Hospital Service has 80 officers, 18 employés, and 4 companies. The strength of the permanent army in time of peace is 2,936 officers, 335 employés, 48,500 men, 13,200 horses, and 600 guns. The Territorial Army consists of 81,843 men and 4,401 horses. The Militia has 33 regiments of infantry. The strength of the *levée en masse* is not definitely fixed. The infantry is armed with the Peabody-Martini rifle, model 1879; but the Government has recently adopted the Mannlicher rifle, model 1891.

For army purposes Roumania is divided into 4 districts, to each of which is attached a corps d'armée; each corps d'armée is in 2 divisions, and each division is in 2 brigades. In Dobrogea there is another corps d'armée.

Roumania has in the navy the *Elisabeta*, launched at Elswick in 1887, a protected cruiser of 1,320 tons displacement and 4,900 horse-power, 3½-inch armour at the belt, four 6-inch and 8 machine guns; the *Mircea*, training ship, a composite brig of 350 tons, and a yacht of the same displacement. There are besides a despatch vessel, 4 gunboats of 110 tons, 5 of 45 tons, a screw steamship, and 5 torpedo-boats. There are about 50 officers and 1,500 seamen.

### Production and Industry.

Of the total population of Roumania 70 per cent. are employed in agriculture. There are about 700,000 heads of families who are freehold proprietors. Of the total area 68 per cent is productive, and 29 per cent. under culture, 21 per cent. under grass, and 16·9 per cent. under forest. In the year

1891-92, 4,351,051 hectares (or one-third of the area) were under cereals; 1,496,072 hectares being under wheat and 1,822,443 hectares under maize, and the yield respectively, 22,532,962 and 32,522,742 hectolitres. In 1893-94 the area under wheat was 1,392,660 hectares, and the yield 15,360,080 hectolitres; under maize, 1,767,560 hectares, and the yield 10,533,716 hectolitres. Oil-seeds and vines are largely grown. There are (1892) 138,742 hectares planted with vines. Production: white wine, 2,247,400 hectolitres; red and black, 874,300. Total, 3,121,700 hectolitres. A scheme for utilising the enormous forests is under the consideration of the Government. The average annual production of cereals is about 12 million quarters, of which more than half is exported. In 1890 Roumania had 594,962 horses, 2,520,380 cattle, 5,212,380 sheep and goats, and 926,124 swine. The clip of wool in 1892 was 7,623,455 kilogrammes.

Other industries are the manufacture or preparation of paper, cement, sugar, woollen goods, hides, and timber.

### Commerce.

The following table shows the value (in 1,000 lei) of the commerce for five years:—

—	1889	1890	1891	1892	1893
Imports . . .	1,000 lei 367,944	1,000 lei 362,791	1,000 lei 436,682	1,000 lei 380,747	1,000 lei 430,490
Exports . . .	274,167	275,958	274,681	285,384	370,652

The following, according to Roumanian returns, shows the value of the commerce in 1893 of the leading countries (imports from and exports to) with which Roumania deals:—

—	Ger- many	Great Britain	Austria	France	Bel- gium	Turkey	Russia	Italy	Switzer- land
Imports	1,000 lei 117,879	1,000 lei 94,013	1,000 lei 110,373	1,000 lei 35,455	1,000 lei 22,139	1,000 lei 15,213	1,000 lei 10,647	1,000 lei 8,955	1,000 lei 7,963
Exports	130,977	80,391	37,355	8,421	70,006	14,826	3,600	14,223	598

The following are the values of the leading articles of import and export in 1893:—

—	Imports	Exports	—	Imports	Exports
Textiles . . .	1,000 lei 168,581	1,000 lei 4,169	Cereals . . .	1,000 lei 5,096	1,000 lei 339,444
Metals and metal goods .	90,552	1,200	Animals & ani- mal products	10,283	6,278
Hides, leather, &c. . .	16,681	1,170	Fruits, vege- tables, &c. .	27,073	7,405
Wood . . .	8,285	2,698	Drinks . . .	1,063	1,365
Glass and pot- tery . . .	13,965	194	Paper . . .	14,768	306
Chemicals . .	12,355	35	Fuel . . .	15,608	2,029
Oil, wax, &c. .	11,192	18	Various . . .	34,988	4,341
			Total . . .	430,490	370,652

The following table, taken from the Board of Trade Returns, shows the value of the imports into Great Britain from Roumania, and of the exports from Great Britain to Roumania, for five years :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into Great Britain	3,204,776	4,447,159	5,038,091	2,973,794	4,218,174
Exports to Roumania	1,258,359	1,270,271	1,676,964	1,332,590	1,397,449

The principal British exports to Roumania are cotton goods and yarn, 867,519*l.* in 1891 ; 703,082*l.* in 1892 ; 655,332*l.* in 1893 ; woollens, 122,419*l.* in 1891 ; 86,886*l.* in 1892 ; 86,086*l.* in 1893 ; iron, wrought and unwrought, 117,586*l.* in 1891 ; 154,280*l.* in 1892 ; 156,939*l.* in 1893 ; coals, 180,599*l.* in 1891 ; 167,681*l.* in 1892 ; 188,983*l.* in 1893. The leading imports into Great Britain from Roumania are barley, 903,573*l.* in 1891 ; 414,276*l.* in 1892 ; 348,985*l.* in 1893 ; maize, 3,569,859*l.* in 1891 ; 2,181,897*l.* in 1892 ; 3,747,444*l.* in 1893 ; and wheat, 468,263*l.* in 1891 ; and 248,105*l.* in 1892 ; 27,013*l.* in 1893.

### Shipping and Communications.

The total number of vessels that entered the ports of Roumania in 1893 was 32,385 of 8,408,551 tons, and the number that cleared was 33,984 of 9,415,468 tons. In 1894 the merchant navy of Roumania consisted of 327 vessels of 62,053 tons, including 40 steamers of 2,797 tons.

The navigation of the Danube is carried on under regulations agreed to at the Berlin Conference of 1878, and subsequently modified at a conference of the delegates of the leading Powers (Great Britain, Germany, Austria, Russia, France, Italy, and Turkey), which met in London in 1883. From its mouths to the Iron Gates it is regarded as an international highway, the interests of the several States being specially provided for. The navigation, except that of the northern branch, is under the superintendence of a mixed commission of one delegate each for Austria, Bulgaria, Roumania, and Servia, with a delegate appointed for six months by the signatory Powers in turn. The commission has its seat at Giurgevo, in Roumania. The arrangement lasts for 21 years from April 1883. In 1893, 1,801 vessels of 1,893,506 tons cleared from the Danube at Sulina. Of these, 905 of 1,287,762 tons were British ; 249 of 242,707 tons Greek ; 63 of 62,244 tons Austrian ; 321 of 69,584 tons Turkish.

In 1894 Roumania had 1,598 miles of State railway. The State has now the working of all the railways in Roumania.

In 1893 there were 368 post-offices, through which there passed 16,071,887 letters, 9,012,190 post-cards, 8,348,530 specimens, &c., and parcels. In 1893 there were 3,624 miles of telegraph lines, and 8,000 miles of wire, on which 1,653,451 messages were forwarded. The number of offices was 436.

### Money, Weights, and Measures.

The decimal system was introduced into Roumania in 1876, the unit of the monetary system being the *leu*, equivalent to the franc. The monetary standard is gold.

Turkish weights and measures are, to some extent, in use by the people.

## Diplomatic and Consular Representatives.

### 1. OF ROUMANIA IN GREAT BRITAIN.

*Envoy and Minister.*—J. Balaceano.

*Councillor of Legation.*—M. D. Nedeyano.

*Consul-General in London.*—J. Imman.

There are Consuls at Cardiff and Manchester.

### 2. OF GREAT BRITAIN IN ROUMANIA.

*Envoy and Minister.*—Sir G. H. Wyndham, Bart., K.C.M.G., C.B.  
Appointed to Bucharest, September 3, 1894.

*Vice-Consul.*—Hamilton E. Browne.

*Consul-General at Galatz and Danube Commissioner.*—Lieut.-Col. H. Trotter, R.E., C.B.

There are Vice-Consuls at Galatz, Ibraila, Kustendjie, and Sulina.

## Statistical and other Books of Reference concerning Roumania.

### 1. OFFICIAL PUBLICATIONS.

Comerciuil Romaniei cu Țările streine in 1894. Published by the Ministry of Finance. Bucharest, 1894.

Lege pentru Organisaavea Administrativa, cu tabela Plasilor și Comunelor. 1892. Ministry of the Interior.

Miscarea populatiunei in Romania pe anii 1886-94. 8 vols. 4. Published by the Statistical Department of the Ministry of Agriculture, &c. Bucharest, 1887-92.

Budgetul General pe 1894-95. 4. Bucharest, 1894.

Buletin Statistic General à Romaniei Anul I, 1892; Anul II, 1893. Bucharest, 1892.

Report by Mr. White on the Kingdom of Roumania, in 'Reports of H.M.'s Diplomatic and Consular Officers.' Part VI. 1883. Folio.

Traités, conventions et arrangements internationaux de la Roumanie, par T. G. Djuvara. Bucharest, 1888.

Foreign Office Reports. Annual series. 8. London.

Handbook of the Armies of the Minor Balkan States. By E. C. Callwell. 8. London, 1891.

Annual Statement of the Trade of the United Kingdom for the year 1893. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Aurelian* (P. S.), Țara Noastra, 2nd Edition Bueuresci. 1888.

*Bergner* (R.), Rumänien. Breslau, 1887.

*Cretulesco* (E.), La Roumanie considérée sous le rapport physique, administratif et économique. 8. Bucharest, 1876. (Bulletin de la Soc. de Géographie.)

*Engel* (J. C.), Geschichte der Moldau und Walachei. 2 vols. 1804-

*Laveleye* (Emile de), The Balkan Peninsula. London, 1887.

*Obédénare* (M. G.), La Roumanie économique. Paris, 1876.

*Reclus* (Elisée), Nouvelle Géographie Universelle. Vol. I. Paris.

*Rosing* (L. de), Les populations danubiennes. 4. Paris. 1885.

*Samuelson* (James), Roumania, Past and Present. London, 1882.

*Ubicini* (J. H. A.), Les provinces Roumaines. 8. Paris, 1856. Dans l'Univers pittoresque.

*Vaillant* (J. A.), La Romanie: histoire, langue, &c. 3 vols. 8. 1845.

*Vogel*. L'Orient Européen. 8. Paris.

*Walker* (Mrs.), Untrodden Paths in Roumania. 8. London. 1888.

*Xenopol* (A. D.), Istoria Românilor. 6 vols. 8. Jassy.

## RUSSIA.

(EMPIRE OF ALL THE RUSSIAS.)

### Reigning Emperor.

**Nicholas II.**, Emperor of All the Russias, born May 6 (May 18 new style), 1868, the eldest son of the Emperor Alexander III. and of Princess Marie Dagmar, daughter of King Christian IX. of Denmark; ascended the throne at the death of his father October 20 (November 1 new style), 1894; married November 14 (November 26), 1894, to Princess Alexandra Alix, daughter of Ludwig IV., Grand Duke of Hesse, born May 25 (June 6), 1872.

### *Mother of the Emperor.*

Empress *Marie Dagmar*, widow of Emperor Alexander III., born November 26, 1847; married November 9, 1866.

### *Brothers and Sisters of the Emperor.*

I. Grand-duke *George*, heir-apparent, born April 27 (May 9), 1871.

II. Grand-duchess *Xenia*, born March 25 (April 6), 1875; married to Grand Duke Alexander (see next page).

III. Grand-duke *Michael*, born November 22 (December 4), 1878.

IV. Grand-duchess *Olga*, born June 1 (June 13), 1882.

### *Uncles and Aunts of the Emperor.*

I. Grand-duke *Vladimir*, born April 10 (April 22), 1847; married August 16 (August 28), 1874, to Princess Marie of Mecklenburg-Schwerin. Offspring of the union are three sons and one daughter:—1. Cyril, born September 30 (October 12), 1876. 2. Boris, born November 12 (November 24), 1877. 3. Andreas, born May 2 (May 14), 1879. 4. Helene, born January 17 (January 29), 1882.

II. Grand-duke *Alexis*, high admiral, born January 2 (January 14), 1850.

III. Grand-duchess *Maria*, born October 5 (October 17), 1853; married January 21, 1874, to the Duke of Edinburgh, son of Queen Victoria of Great Britain.

IV. Grand-duke *Sergius*, born April 29 (May 11), 1857; married June 3 (June 15), 1884, to Princess Elizabeth of Hesse-Darmstadt.

V. Grand-duke *Paul*, born September 21 (October 3), 1860; married June 5 (June 17), 1889, to Princess Alexandra, daughter of the King of Greece; widower September 24, 1891. Offspring: *Maria*, born April 6 (18), 1890; *Dimitri* born September 18, 1891.

*Grand-uncle of the Emperor.*

The Grand-duke *Michael*, brother of the Emperor Alexander II., born October 13 (October 25), 1832, General Field-Marshal, President of the State's Council and Chief of Artillery; married to Princess Cecilia of Baden, who died March 31 (April 12), 1891. His children:—1. Nicholas, born April 14 (April 26), 1859. 2. Anastasia, born July 16 (July 28), 1860, and married January 12 (January 24), 1879, to Prince Friedrich Franz of Mecklenburg-Schwerin. 3. Michael, born October 4 (October 16), 1861, and married April 6, 1891, to Sophie, Countess of Merenberg, which marriage led to his exclusion from the army, a trust being nominated on his estates. 4. George, born August 11 (August 23), 1863. 5. Alexander, born April 1 (April 13), 1866; married to the Grand-duchess Xenia, sister of the reigning Emperor. 6. Sergius, born September 25 (October 7), 1869. 7. Alexis, born December 16 (December 28), 1875.

*Cousins of the late Emperor.*

The children of the late Grand-duke *Constantine*, brother of the Emperor Alexander II., and his wife Princess Alexandra of Saxe-Altenburg, of which union there are issue five children:—1. Nicholas, born February 2 (February 14), 1850. 2. Olga, born August 22 (September 3), 1851, and married October 27, 1867, to Georgios I., King of the Hellenes. 3. Vera, born February 4 (February 16), 1854, and married May 8, 1874, to Prince Eugene of Württemberg; widow January 15, 1877. 4. Constantine, born August 10 (August 22), 1858; married April 15 (April 27), 1884, to Princess Elizabeth of Saxe-Altenburg, Duchess of Saxony; offspring:—John, born July 6, 1886; Gabriel, born July 15, 1887; Tatiana, born January 23, 1890; Constantine, born January 1, 1891; Oleg, born November 15, (November 27), 1892. 5. Dimitri, born June 1 (June 13), 1860. 6. Igor, born May 29 (June 10), 1894.

The children of the late Grand-duke *Nicholas*, died April 13 (April 25), 1891, and his wife, the Princess Alexandra of Oldenburg:—1. Nicholas, born November 6 (November 18), 1856. 2. Peter, born January 10 (January 22), 1864; married July 26 (August 7), 1889, to the Princess Militza of Montenegro, from whom he has a daughter Marina, born Feb. 28 (March 12), 1892.

The reigning family of Russia descend, in the female line, from Michael Romanof, elected Tsar in 1613, after the extinction of the House of Rurik; and in the male line from the Duke Karl Friedrich of Holstein-Gottorp, born in 1701, scion of a younger branch of the princely family of Oldenburg. The union of his daughter Anne with Duke Karl Friedrich of Holstein-Gottorp formed part of the great reform projects of Peter I., intended to bring Russia into closer contact with the Western States of Europe. Peter I. was succeeded by his second wife, Catherine, the daughter of a Livonian peasant, and she by Peter II., the grandson of Peter, with whom the male line of the Romanofs terminated, in the year 1730. The reign of the next three sovereigns of Russia, Anne, Ivan VI., and Elizabeth, of the female line of Romanof, formed a transition period, which came to an end with the accession of Peter III., of the house of Holstein-Gottorp. All the subsequent emperors, without exception, connected themselves by marriage with German families. The wife and successor of Peter III., Catherine II., daughter of the Prince of Anhalt Zerst, general in the Prussian army, left the crown to her only son, Paul, who became the father of two emperors, Alexander I. and Nicholas, and the grandfather of a third, Alexander II. All these sovereigns married German princesses, creating intimate family alliances, among others, with the reigning houses of Württemberg, Baden, and Prussia.

The emperor is in possession of the revenue from the Crown domains, con-



sisting of more than a million of square miles of cultivated land and forests besides gold and other mines in Siberia, and producing a vast revenue, the actual amount of which is, however, unknown, as no reference to the subject is made in the budgets or finance accounts, the Crown domains being considered the private property of the imperial family.

The following have been the Tsars and Emperors of Russia, from the time of election of Michael Romanof. Tsar Peter I. was the first ruler who adopted, in the year 1721, the title of Emperor.

*House of Romanof—Male Line.*

Michael . . . . .	1613
Alexei . . . . .	1645
Feodor . . . . .	1676
Ivan and Peter I . . . . .	1682
Peter I. . . . .	1689
Catherine I. . . . .	1725
Peter II. . . . .	1727

*House of Romanof—Female Line.*

Anne . . . . .	1730
----------------	------

Ivan VI. . . . .	1740
Elizabeth . . . . .	1741

*House of Romanof-Holstein.*

Peter III. . . . .	1762
Catherine II. . . . .	1762
Paul . . . . .	1796
Alexander I. . . . .	1801
Nicholas I. . . . .	1825
Alexander II. . . . .	1855
Alexander III. . . . .	1881
Nicholas II. . . . .	1894

### Constitution and Government.

The government of Russia is an absolute hereditary monarchy. The whole legislative, executive, and judicial power is united in the emperor, whose will alone is law. There are, however, certain rules of government which the sovereigns of the present reigning house have acknowledged as binding. The chief of these is the law of succession to the throne, which, according to a decree of the Emperor Paul, of the year 1797, is to be that of regular descent, by the right of primogeniture, with preference of male over female heirs. This decree annulled a previous one, issued by Peter I., February 5, 1722, which ordered each sovereign to select his successor to the throne from among the members of the imperial family, irrespective of the claims of primogeniture. Another fundamental law of the realm proclaimed by Peter I. is that every sovereign of Russia, with his consort and children, must be a member of the orthodox Greek Church. The princes and princesses of the imperial house, according to a decree of Alexander I., must obtain the consent of the emperor to any marriage they may contract; otherwise the issue of such union cannot inherit the throne. By an ancient law of Russia, the heir-apparent is held to be of age at the end of the sixteenth year, and the other members of the reigning family with the completed twentieth year.

The administration of the Empire is entrusted to four great boards, or councils, possessing separate functions. The first of these boards is the *Council of the State*, established in its present form by Alexander I., in the year 1810. It consists of a president—the Grand-duke Mikhail since 1882—and an unlimited

number of members appointed by the emperor. In 1894 the Council consisted of 62 members, exclusive of the ministers, who have a seat *ex officio*, and six princes of the imperial house. The Council is divided into three departments, namely, of Legislation, of Civil and Church Administration, and of Finance. Each department has its own president, and a separate sphere of duties ; but there are collective meetings of the three sections. The chief function of the Council of the Empire is that of examining into the projects of laws which are brought before it by the ministers, and of discussing the budget and all the expenditures to be made during the year. But the Council has no power of proposing alterations and modifications of the laws of the realm ; it is, properly speaking, a consultative institution in matters of legislation. A special department is entrusted with the discussion of the requests addressed to the emperor against the decisions of the Senate.

The second of the great colleges or boards of government is the *Ruling Senate* or 'Pravitelstvuyuschiy Senat,' established by Peter I. in the year 1711. The functions of the Senate are partly of a deliberative and partly of an executive character. To be valid a law must be promulgated by the Senate. It is also the high court of justice for the Empire. The Senate is divided into nine departments or sections, which all sit at St. Petersburg, two of them being Courts of Cassation. Each department is authorised to decide in the last resort upon certain descriptions of cases. The senators are mostly persons of high rank, or who fill high stations ; but a lawyer of eminence presides over each department, who represents the emperor, and without whose signature its decisions would have no force. In the *plenum*, or general meeting of several sections, the Minister of Justice takes the chair. Besides its superintendence over the courts of law, the Senate examines into the state of the general administration of the Empire, and has power to make remonstrances to the emperor. A special department consisting of seven members is entrusted with judgments in political offences, and another (six members) with disciplinary judgments against officials of the crown.

The third college, established by Peter I. in the year 1721, is the *Holy Synod*, and to it is committed the superintendence of the religious affairs of the Empire. It is composed of the three metropolitans (St. Petersburg, Moscow, and Kieff), the archbishops of Georgia (Caucasus), and of Poland (Kholm and Warsaw), and several bishops sitting in turn. All its decisions run in the emperor's name, and have no force till approved by him. The President of the Holy Synod is the Metropolitan of Novgorod and St. Petersburg.

The fourth board of government is the *Committee of Ministers*. It consists of all the ministers, who are—

1. *The Ministry of the Imperial House and Imperial Domains*.—General Count *Vorontzoff-Dashkoff*, aide-de-camp of the Emperor; appointed Minister of the Imperial House in succession to Count Alexander Alderberg, March 29, 1881.

2. *The Ministry of Foreign Affairs, Assistant Minister*.—Privy Councillor *Shishkin*, appointed *ad interim* January 29th last, after the death of Actual Privy Councillor *De Giers*.

3. *The Ministry of War*.—General *Vannovski*, aide-de-camp of the Emperor; appointed Minister of War March 29, 1881.

4. *The Ministry of the Navy*.—Vice-Admiral *Tchikhatchoff*, appointed December 1888.

5. *The Ministry of the Interior*.—Actual Privy Councillor *Durnovo*, appointed May 18, 1889.

6. *The Ministry of Public Instruction*.—Actual Privy Councillor *Delyanoff*, appointed 1882.

7. *The Ministry of Finance*.—Actual Privy Councillor *Witte*, appointed 1892.

8. *The Ministry of Justice*.—Privy Councillor N. V. *Muravioff*, appointed 1893.

9. *The Ministry of Agriculture and State's Domains*.—Privy Councillor *Yermoloff*, appointed 1893.

10. *The Ministry of Public Works and Railways*.—Prince *Hilkoff*, appointed *ad interim* in January last after the resignation of Privy Councillor *Krivoshain* in December, 1894.

11. *The Department of General Control*.—Actual Privy Councillor *Filipoff*, appointed Comptroller-General 1889.

12. *The Procurator-General of the Holy Synod*.—K. P. *Pobyedonosteff*.

Besides the Ministers, four Grand Dukes, and six functionaries, chiefly ex-ministers, form part of the Committee, of which Actual Privy Councillor *Bunge* is President.

*Minister and State Secretary for Finland*.—General-Lieutenant *Von Daehn*.

Most of the above heads of departments have assistant ministers who supply their place on certain occasions. They all communicate directly with the sovereign.

The emperor has two Private Cabinets, one of which is occupied with charitable affairs, and the other is devoted to public instruction of girls and to the administration of the institutions established by the late Empress Maria, mother of the Emperor Nicholas I. Besides, there is the Imperial Headquarters (*Glavnaya Kvartira*), and a Cabinet, which is entrusted also with the reception of petitions presented to the emperor, formerly received by a special Court of Requests (abolished in 1884). According to a law of May 19, 1888, a special Imperial Cabinet having four sections (Administrative, Economical, Agricultural and Manufacturing, and Legislative) has been created, instead of the same departments in the Ministry of Imperial Household. According to the law of May 22, 1894, a special chief for the protection of the Imperial residences and trains has been appointed under the title of 'General in Service at the Emperor' (*Dezhurnyi General*), General Aide-de-Camp *Tcherevin* holding this position.

#### LOCAL GOVERNMENT.

The Empire is divided into general governments, or vice-royalties, governments, and districts. There are at present in European Russia (including Poland and Finland) 68 governments, with 635 districts (*uyezd*), 2 *otdyels*, and 1 *okrug*, also considered as separate governments. Some of them are united into general governments, which are now those of Finland,

Poland, Wilna, Kieff, and Moscow. The Asiatic part of the Empire comprises 5 general governments, Caucasus, Turkestan, Stepnoye (of the Steppes), Irkutsh, and of the Amur, with 10 governments (*guberniya*), 17 territories (*oblasts*), and 3 districts (*okrug*, or *otdyel*: Zakataly, Chernomorsk, and Sakhalin). At the head of each general government is a governor-general, the representative of the emperor, who as such has the supreme control and direction of all affairs, whether civil or military. In Siberia the governors-general are each assisted by a council, which has a deliberative voice. A civil governor assisted by a council of regency, to which all measures must be submitted, is established in each government, and a military governor in twenty frontier provinces. A vice-governor is appointed to fill the place of the civil governor when the latter is absent or unwell. There is also, in each government, a council of control under the presidency of a special officer, depending directly on the Department of Control. Each government is divided into from 8 to 15 districts, having each several administrative institutions. A few districts (*okrug* or *otdyel*) in Siberia, in the Caucasus, in Turkestan, and in the Transcaspian region are considered as independent governments. So also the townships (*gradonachalstvo*) of St. Petersburg, Odessa, Kertch, Sebastopol, and Taganrog; Cronstadt, Vladivostok, and Nikolaevsk are under separate military governors. In 1894, the Government of Warsaw has been increased by one district of Plock and one district of Lomja.

In European Russia the government of the parish, in so far as the lands of the peasantry are concerned, and part of the local administration, is entrusted to the people. For this purpose the whole country is divided into 107,493 communes, which elect an elder (*Starosta*), or executive of a commune, as also a tax-collector or superintendent of public stores. All these officers are elected at communal assemblies ('*Mir*'—which means both 'the village' and 'the world') by the peasants, and from among themselves. The communal assemblies are constituted by all the householders in the village, who discuss and decide all communal affairs. These communal assemblies are held as business requires. The communes are united into cantons, or '*Voloste*,' each embracing a population of about 2,000 males (9,533 in European Russia). Each of the cantons is presided over also by an elder, '*Starshina*,' elected at the cantonal assemblies, which are composed of the delegates of the village communities in proportion of one man to every ten houses. The canton assemblies decide the same class of affairs as do the communal assemblies, but concerning each its respective canton. The peasants have thus special institutions of their own, which are submitted also to special colleges 'for peasants' affairs,' instituted in each government. In Poland the '*Voloste*' is replaced by the '*Gmina*,' the assemblies of which are constituted of all landholders—nobility included, the clergy and the police excluded—who have each but one voice, whatever the area of land possessed. The '*Gmina*' has, however, less autonomy than the '*Voloste*,' being subject directly to the '*Chief of the District*.' In conjunction with the assemblies of the *Voloste* and *Gmina* are cantonal tribunals, consisting of from four to twelve judges elected at cantonal assemblies. Injuries and offences of every kind, as well as disputes relating to property between the peasants, not involving more than a hundred roubles, come under the jurisdiction of these popular tribunals. Affairs of more importance, up to 300 roubles, are judged by Judges of Peace, elected in Central Russia, and nominated elsewhere; appeal against their judgments can be made to the '*Syezd*,' or gathering of judges of the district, and further to the Senate. In 1889 an important change was made in the above organisation. Justices of Peace have been replaced in twenty provinces of Central Russia by Chiefs of the District (*uyezdnyi nachalnik*),

nominated by the administration from among candidates taken from the nobility, recommended by the nobility, and endowed with wide disciplinary powers against the peasants; in the cities, except St. Petersburg, Moscow, and Odessa, special 'town magistrates' (*gorodskoi sudia*), nominated in the same way, are to take the place of the former Justices of Peace. As to the peasants' tribunals (*volostnoi sud*), they are placed in direct subjection to the 'Chiefs of the Districts.' The same measure has been extended in 1890 and 1891 over all the provinces endowed with provincial institutions (*zemstvos*).

The administration of the economical affairs of the district and province are, to some extent, in the hands of *zemstvos*, or the district and provincial assemblies, composed of representatives elected by the peasantry, the householders in the towns, and the landed proprietors. Their executive power is entrusted to provincial and district 'Upravas.' The president of the nobility of the district, or of the province, presides *ex officio* over the *zemstvos* of the district, or of the province. Important modifications, increasing the powers of noble landowners in the affairs of the *zemstvos*, reducing the numbers of representatives, and limiting their powers, were introduced in 1890.

The towns and cities have municipal institutions of their own, organised on nearly the same principles as the *zemstvos*. All house-owners are divided into three classes, each of which represents an equal amount of real property, and each class elects an equal number of representatives to the *Dumas*; the latter elect their executive the *Uprava*. The new law of 1894 reduces the powers of the Municipal Government and places it almost entirely under the Governors nominated by the Emperor. In 1894, municipal institutions, with still more limited powers, were introduced in several towns of Siberia.

During the years 1883-94 the institutions of the *zemstvo* were in force in 34 provinces (361 districts) of European Russia. The number of electors was: 40,172 landowners, 48,091 urban population, and 196,773 peasants. As to the number of votes given to the above electors, it appears that 64 per cent. of all votes belong to peasants, 12 per cent. to nobles, 10 per cent. to merchants, 5 per cent. to the clergy, and 4 per cent. to artisans. Of the 13,196 elected members of the Assemblies of the *zemstvos*, 35 per cent. belonged to the nobility, 15 per cent. to the class of the 'merchants,' and 38 per cent. to the peasantry. The Executives of the *zemstvos* (the *upravas*) have 1,263 members, out of whom two-thirds are peasants in East Russia, while in Middle Russia from two-thirds to three-quarters of the members are nobles. The 34 provincial executives have 137 members (98 nobles, 21 officials, 9 merchants, 3 artisans, and 2 peasants).

*Finland*<sup>1</sup>.—The Grand-duchy of Finland, ceded to the Emperor of Russia by the treaty of Frederickshamn, September 17, 1809, has preserved, by special grant of Alexander I. in 1810 (renewed by his successors), some remains of its ancient Constitution, dating from the year 1772, reformed in 1789, and slightly modified in 1869 and 1882. This charter provides for a national parliament, consisting of four estates, the nobles, the clergy, the burghers, and the peasants, convoked by the 'Grand-duke,' Emperor of Russia, for four months. They discuss the schemes of laws proposed by the emperor, who has the right of veto. The unanimous assent of all four chambers is necessary for making changes in the Constitution and for levying new taxes. The national representatives have been regularly convoked, since 1861, every four or five years; the last time they met was in 1888. The schemes of laws are elaborated by the 'State's Secretariat of Finland,' which sits at St. Petersburg, and consists of the State Secretary and four members nominated by the Crown (two of them being proposed by the Senate). The Senate, which sits at Helsingfors, under the presidency of the Governor-General, is nominated by the Crown. It is the superior adminis-

<sup>1</sup> For further details on Finland, see end of *Russia*.

trative power in Finland, and consists of two departments, Justice and Finance, which have under them the administration of posts, railways, canals, custom-houses, hygiene, and the tribunals. The military department is under the Russian Ministry of War, and the Foreign Affairs under the Russian Chancellor. Finland has its own money and system of custom-houses. Recent laws have, however, altered this to some extent. (See FINLAND.)

*Poland.*—Poland, which had a Constitution of its own from 1815 to 1830, and a separate government till 1864, was deprived at the latter date of the last remnant of its administrative independence. Finally, by ukase of the Emperor, dated Feb. 23, 1868, the government of Poland was absolutely incorporated with that of Russia, and the use of Polish language in public places and for public purposes (railways, signboards, wills, &c.), was prohibited.

*Baltic Provinces.*—The Baltic Provinces have had some institutions for self-government of their own. They have, however, been gradually curtailed, and the privileges of the provinces in police and school matters, chiefly vested in the nobility, have been taken away by a law of June 21, 1888, the judicial and police rights of the landlords having been transferred to functionaries nominated by the State. By a law of July 21, 1889, the last vestiges of manorial justice and of tribunals under the German-speaking nobility have been abolished, but the Law of Justice of 1864, which is in force in Russia, has been but partially applied to the provinces, so as to maintain the administration of justice under the central Government. The Russian language has been rendered obligatory in the official correspondence of all parish, municipal, and provincial administration; so also in the Dorpat University, which was deprived in December 1889 of its privileges of self-government, and the gymnasia in 1890. The town of Dorpat has received the name of Zurier, and the seat of the administration of the Baltic Educational District has been transferred to Riga. In April, 1893, new Committees for peasants' affairs were introduced, with the same powers as in Russian Governments.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

The Russian Empire comprises one-seventh of the land-surface of the globe, and covers, with internal waters, an area of 8,644,100 English square miles. There has been no general census of the population since 1859, but various enumerations, chiefly made by the statistical committees, furnish an approximately correct return of the people. According to these, the total population of the Empire numbered in 1887 113,354,649 inhabitants.

The rapidity of growth of the population of the Empire (its acquisitions being included in the figures of population) is seen from the following, the years being census years:—

Year	Population	Year	Population
1722	14,000,000	1812	41,000,000
1742	16,000,000	1815	45,000,000
1762	19,000,000	1835	60,000,000
1782	28,000,000	1851	68,000,000
1796	36,000,000	1859	74,000,000

Since that period no census has been made, and the population of the Empire is estimated as follows:

Years	European Russia	Poland	Finland	Caucasus	Central Asia	Siberia	Total
1867	63,658,934	5,705,607	1,794,911	4,583,640	2,626,246	3,327,627	81,696,965
1870-72 <sup>1</sup>	65,704,559	6,026,421	1,832,138	4,893,832	4,566,096	3,428,867	86,451,413
1882-83 <sup>2</sup>	77,879,521	7,063,475	2,142,093	6,534,853	5,237,354	4,093,535	102,970,831
1886	85,282,101	8,319,797	2,232,378	7,458,151	5,532,021	4,493,667	113,317,115
Average Yearly Increase	1,081,158	130,710	21,873	143,725 <sup>3</sup>	140,289 <sup>3</sup>	58,302	1,581,057
1894 (estd.)	94,650,000	9,220,000	2,460,000	8,596,000	6,355,000	5,066,000	126,347,000

<sup>1</sup> Finland, 1872; Caucasus, 1871; Russia, Poland, Siberia, and Central Asia, 1870.

<sup>2</sup> Finland, 1883; Caucasus, 1883; Russia, Poland, Siberia, and Central Asia, 1882.

<sup>3</sup> Increased by annexations and better registration.

The following table exhibits the details of official estimates—referring to the year 1890—concerning the area and population of the various political and geographical divisions of the Empire of Russia (Statistical Committee's Estimates in 1893):—

Province	Area : English square miles	Popula-tion	Density per sq. mile	Province	Area : English square miles	Popula-tion	Density per sq. mile
<b>1. European Russia (1890).—</b>							
Archangelsk (1892)	331,505	354,411	1	Samara . . .	58,321	2,665,300	46
Astrakhan . . .	91,327	515,200	6	Saratoff . . .	32,624	2,427,600	75
Bessarabia . . .	17,619	1,688,600	95	Simbirsk . . .	19,110	1,655,500	87
Chernigoff . . .	20,233	2,265,200	112	Smolensk (1891).	21,638	1,412,162	65
Courland . . .	10,535	693,300	69	Tamboff . . .	25,710	2,850,800	111
Don, Region of .	61,886	2,045,300	33	Taurida . . .	24,539	1,167,600	47
Ekaterinoslaf .	26,148	1,978,400	76	Tula . . .	11,954	1,492,300	125
Esthonia . . .	7,818	401,000	50	Tver . . .	25,225	1,791,000	74
Grodno (1892)	14,931	1,510,928	101	Ufa . . .	47,112	2,032,300	43
Kaluga (1894)	11,942	1,301,126	105	Vilna . . .	16,421	1,967,100	83
Kazan (1891)	24,601	2,208,917	90	Vitebsk . . .	17,440	1,341,100	78
Kieff . . .	19,601	3,138,900	159	Vladimir . . .	18,864	1,456,600	78
Kostroma . . .	32,702	1,381,700	43	Volhynia . . .	27,743	2,407,800	87
Kovno . . .	15,692	1,587,200	101	Vologda . . .	155,498	1,272,100	8
Kursk (1891)	17,937	2,666,573	148	Voronej . . .	25,443	2,755,400	108
Kharkoff (1892)	21,041	2,537,339	121	Vyatka . . .	59,117	3,020,700	51
Kherson . . .	27,523	2,250,100	81	Yaroslav (1891)	13,751	1,126,891	81
Livonia . . .	18,158	1,256,200	69	Sea of Azov . .	14,478	—	—
Minsk (1892)	35,293	1,830,445	51	Total, Russian Provinces	1,902,092	88,741,286	47
Moghilev . . .	18,551	1,387,000	75	<b>2. Poland:—(1890)</b>			
Moscow . . .	12,859	2,240,900	171	Kalisz . . .	4,392	837,317	190
Nijni-Novgorod (1893)	19,797	1,586,764	81	Kielee . . .	3,897	692,328	177
Novgorod . . .	47,236	1,254,900	26	Lonja . . .	4,667	608,683	130
Olonetz . . .	57,439	352,600	6	Lublin . . .	6,499	979,700	150
Orel (1893)	18,042	2,140,130	119	Piotrkow . . .	4,729	1,091,282	230
Orenburg . . .	73,816	1,372,800	19	Plock (1892)	4,200	700,848	167
Penza . . .	14,997	1,596,500	107	Radom . . .	4,769	782,274	164
Pern . . .	128,211	2,811,300	21	Siedlee . . .	5,535	671,598	121
Podolia . . .	16,224	2,604,800	161	Suwalki . . .	4,846	656,932	135
Poltava . . .	19,265	2,898,600	150	Warsaw . . .	5,623	1,465,131	260
Pskoff . . .	17,069	1,019,000	59	Total, Poland <sup>1</sup> . . .			
Ryazan . . .	16,255	1,928,600	119	49,157	8,485,993	173	
St. Petersburg .	20,760	1,688,200	81				

<sup>1</sup> 8,808,699 on January 1, 1893.

Province	Area : English square miles	Popula- tion	Density per sq. mile	Province	Area : English square miles	Popula- tion	Density per sq. mile
<b>3. Grand-Duchy of Finland :—</b>				Samarcand . . .	26,627	750,000	28
Abo-Björneborg . . .	9,335	399,534	45	Ferganah . . .	35,654	775,600	22
Kuopio . . .	16,499	294,190	21	Semirechensk . . .	152,280	671,878	4
Nyland . . .	4,586	244,951	57	Syr-Daria . . .	194,853	1,214,800	6
St. Michel . . .	8,819	182,244	28				
Tavastehus . . .	8,334	262,166	38	Turkestan . . .	409,414	3,411,778	8
Uleåborg . . .	63,971	250,618	4				
Viborg . . .	16,627	357,322	30	Trans-Caspian Caspian Sea . . .	214,237 169,381	276,709 —	1 —
Vasa . . .	16,084	421,110	28				
Finland (1892) . . .	144,255	2,412,135	19	Total, Central Asian dominions	1,548,825	5,689,437	3
Total European Russia . . .	2,095,504	99,553,024	47				
<b>4. Russia in Asia :</b>				Tobolsk (1889) . . .	539,659	1,813,400	2
Kuban (1892) . . .	39,277	1,587,498	40	Tomsk (1889) . . .	331,159	1,299,729	3
Stavropol (1892) . . .	23,398	695,366	29				
Terek (1892) . . .	26,822	798,898	29	Western Siberia	870,818	2,623,129	3
Northern Cau- casia . . .	89,497	3,081,762	32	Irkutsk . . .	287,061	421,187	1
				Transbaikalia . . .	236,868	545,338	2
Baku (1892) . . .	15,095	768,536	51	Yakutsk (1892) . . .	1,533,397	280,200	·2
Daghestan (1892) . . .	11,332	609,380	52	Yeniseisk . . .	987,186	458,572	·4
Elizabethpol(1892) . . .	16,721	793,969	46				
Erivan (1892) . . .	10,075	703,511	63	Eastern Siberia	3,044,512	1,705,297	·5
Kars (1892) . . .	7,308	214,471	30				
Kutais (1892) . . .	13,968	993,620	71	Amur (1891) . . .	172,848	87,705	·3
Tiflis (1892) . . .	15,306	911,639	32	Primorskaya . . .	715,982	102,786	·1
Zakataly (1892) . . .	1,541	74,488	47				
				Amur Region, about . . .	888,830	190,491	·1
Trans-Caucasia . . .	91,346	5,074,614	55				
				Sakhalin (1890) . . .	29,336	19,644	·6
Caucasus . . .	180,843	8,156,376	46				
				Total, Siberia	4,833,496	4,538,561	·9
Akmolinsk (1889) . . .	229,609	500,180	2				
Semipalatinsk . . .	184,631	576,578	3	Total, Asiatic dominions . . .	6,564,778	18,049,510	3
Turgai (1889) . . .	176,219	364,660	2				
Uralsk (1889) . . .	139,168	559,552	3				
Lake Aral . . .	26,166	—	—	Grand Total, Russian Empire	8,660,282	118,014,187	13
Kirghiz Steppe . . .	755,793	2,000,970	2				

The internal waters (lakes and estuaries) occupy the following areas, in square miles :—In European Russia, 25,804 ; in Finland, 18,471 ; in Siberia, 18,863 ; and in Central Asia, 19,855. The Seas of Azov, Caspian, and Lake Aral cover an aggregate surface of 210,025 square miles. The superficies of all Russian provinces have been carefully revised by General Strelbitzky ; his



figures are given in the above for Russia in Asia; those for European Russia very slightly differ from the above, the total area of the Russian provinces of European Russia, with all islands and deltas, being now given at 1,902,227 English square miles.

For the ethnical elements of the population, see YEAR-BOOK 1885, p. 416.

The populations of the Caucasus appear as follows, according to recent investigations:—

Russians . . . . .	1,915,614	<i>Jews</i> . . . . .	50,992	Eastern Moun-	
Poles . . . . .	8,910	<i>Kartvelians</i> :—		taineers . . . . .	707,619
Germans . . . . .	23,613	Georgians . . . . .	310,499	Tartars . . . . .	1,027,828
Greeks . . . . .	42,562	Mingrelians . . . . .	200,092	Turks . . . . .	75,980
<i>Iranians</i> :—		Imeretes . . . . .	373,141	Turcomans,	
Ossets . . . . .	127,430	Pshaves, Khev-		&c. . . . .	44,046
Persians, Tatis,		zurs . . . . .	20,079	Northern	
Talyshins . . . . .	132,792	Western Moun-		Tartars . . . . .	126,000
Kurds . . . . .	10,097	taineers . . . . .	188,083	Kalmuks . . . . .	10,707
Armenians . . . . .	803,696				

The chief nationalities of Transcaucasia were as follows in 1886-90:—

Russians . . . . .	140,095	Imeretes . . . . .	419,967	Samurzakanes . . . . .	27,247
Greeks . . . . .	57,156	Gurians . . . . .	74,171	Turcomans . . . . .	10,174
Kurds . . . . .	97,499	Ajares . . . . .	59,495	Turks . . . . .	75,863
Ossets . . . . .	76,130	Mingrelians . . . . .	214,601	Tartars . . . . .	1,107,232
Armenians . . . . .	965,167	Aphasians . . . . .	29,260	Tatis . . . . .	124,693
Jews . . . . .	33,663	Svanetes . . . . .	14,035	Talyshins . . . . .	88,449
Georgians . . . . .	400,487				

The remaining nationalities number less than 10,000 each.

According to a recent partial census, the Jews number 2,843,364 in the western and south-western provinces of Russia (2,261,863 in towns), that is 11·3 per cent. of the aggregate population; 77,275 in the three townships of Odessa (73,389, i.e. 35·1 per cent. of population), Kertch, and Sebastopol; and 431,800 in five governments only of Poland out of ten (11 per cent. of population). Their aggregate number in Russia would thus exceed 3½ millions.

By a law of March 28, 1892, serfdom, which continued to exist among the Kalmucks, has been abolished. The assets of taxes have been given to the assemblies of the *Uluses*, and a certain retribution is to be paid by the State to the former serf owners.

## II. MOVEMENT OF THE POPULATION.

The statistics of marriages, births, and deaths for 1890, if not otherwise mentioned, appear as follows:—

—	Marriages	Births	Birth-rate	Deaths	Death-rate	Surplus
Russia in Europe and Poland . . . . .	867,476 <sup>1</sup>	4,580,305	46·8	3,347,356	34·2	1,232,949
Finland . . . . .	14,459	82,128	35·2	50,715	21·7	31,413 <sup>2</sup>
Siberia . . . . .	23,481 <sup>1</sup>	209,242	45·5	142,871	31·0	66,371
Caucasus . . . . .	56,550 <sup>1</sup>	306,791	38·8	215,408	27·2	91,383
Central Asia (incomplete) . . . . .	8,540 <sup>1</sup>	130,780	—	85,046	—	45,734
Total . . . . .	972,146	5,304,978	—	3,837,160	—	1,467,818

<sup>1</sup> In 1889.

<sup>2</sup> Immigrated, 50,715; emigrated, 53,832.

The average surplus for the years 1884–1887 was : 1,663,327 in European Russia, 157,979 in Poland, and 38,130 in Finland, giving thus a yearly surplus of more than 2,000,000 for the Empire. The maximum mortality was in Perm (45), Tobolsk and Orenburg (44); and the minimum in Baku, Elisabethpol, Erivan, and Vitebsk (16). The maximum births were in Kuban (63), Orenburg, Samara, and Tobolsk (60 to 54). It is estimated that over 25 per cent. of all new-born children die before reaching the age of one year, and over 40 per cent. before reaching five years.

The movement of the population among Greek-Orthodox only is given by the Holy Synod as follows :—

Year	Marriages	Births	Deaths	Increase
1885	621,693	3,810,785	2,708,892	1,101,893
1886	631,481	3,827,063	2,583,859	1,243,204
1888	726,150	3,932,075	2,550,698	1,381,377
1889	697,343	4,130,793	2,939,197	1,191,596
1890	659,836	4,047,109	3,011,888	1,035,221

According to official statistics there was in Russia an excess of emigration over immigration in the case of Russians of 1,146,052 in 33 years (1856–1888), and a surplus of immigration of 2,304,717 foreigners during the same time. Emigration is on the increase. Of late the Russians, especially Jews, contributed a large part to the flow of emigrants into the United States. During the years 1871–85 8,767,605 foreigners entered Russia, but only 7,525,360 left, showing thus an immigration of 1,242,245 (563,345 Germans, 447,736 Austrians, 9,395 English, and nearly 100,000 Persians). The surplus of foreigners who entered Russia during the years 1886–88 (2,478,430) over those who left was 278,947, while the surplus of Russian subjects who left Russia (1,413,018) over those who returned was 136,129.

The emigration to Siberia may be judged from the following numbers of emigrants carried on board the steamers which ply on the Ob and Irtysh :— in 1888, 26,129 ; in 1889, 30,410 ; in 1890, 36,000 ; in 1891, 60,000 ; in 1892, 100,000.

### III. PRINCIPAL TOWNS.

The great majority of the population of Russia being agriculturists, they dwell in villages, and in 1890 the division of population in urban and rural, as also the division according to sex, in 1888, appeared as follows :—

—	In Towns	In the Country	Males	Females
European Russia	10,505,700	77,648,200	42,499,324	42,895,885
Poland . . .	1,464,700	6,791,800 <sup>1</sup>	4,084,393	4,223,729
Finland . . .	235,227	2,144,913	1,171,541	1,208,599
Caucasus . . .	770,114	6,788,011	3,986,705	3,502,933
Siberia (1885) .	345,071	3,968,609	2,146,411	2,167,269
C. Asia (1885) .	651,831	4,675,267	2,448,085	2,879,013
Total . . .	13,972,643	102,016,800	56,336,459	56,877,428

<sup>1</sup> 1,595,881 in towns, 781,357 in *posady* (villages with municipal institutions), and 6,431,731 in villages on January 1, 1893.

The aggregate number of settlements reached, in 1886, 555,990 in the Empire ; of these 1,281 (468 in Poland) had municipal institutions. The

following are the populations of the principal towns, mostly according to estimates of 1891, if not otherwise mentioned:—

<i>Russia in Europe</i> —		Towns	Population	Towns	Population
Towns	Population	Taganrog .	47,311	Tammerfors .	21,333
St. Petersburg		Bendery .	46,408	Viborg .	21,290
(1892) <sup>1</sup>	1,035,439	Moghilev .	45,311	<i>Russia in Asia</i> —	
Moscow .	822,397	Nyejin .	44,915	Tiflis (1892)	146,792
Warsaw <sup>2</sup>	490,417	Akerman .	44,890	Tashkend (1885)	121,410
Odessa (1892)	332,690	Brest-Litovsk .	43,820	Baku (1892) <sup>4</sup>	107,761
Kharkoff .	195,085	Poltava .	43,563	Ekaterinodar ('92)	77,052
Kieff (1893)	193,151	Cronstadt .	42,603	Omsk (1890)	54,721
Riga .	181,935	Simpheropol .	42,320	Kokand (1885)	54,043
Lodz .	143,933	Tver .	41,703	Irkutsk .	50,566
Kazan .	134,137	Tambov .	40,876	Vladikavkaz ('92)	46,345
Saratoff (1893)	123,230	Kaluga .	40,770	Tomsk .	41,632
Kishineff .	117,994	Tsaritsyn .	40,576	Ekaterinburg .	36,825
Vilna .	109,363	Perm .	38,263	Stavropol (1892)	36,711
Astrakhan .	104,856	Simbirsk .	39,125	Tyumen .	36,763
Samara .	100,263	Dorpat .	34,897	Khojent (1885)	34,800
Berditcheff	98,324	Novotcherkask	34,216	Yeisk .	36,150
Rosta .	85,252	Volok .	39,995	Samarcand <sup>3</sup>	
Rostoff on Don .	81,725	Smolensk .	38,034	(1883) .	33,117
Yaroslav (with		Kamenets-		Namangan (1890)	33,017
suburbs)	80,336	Podolsk .	36,158	Andidjan .	33,971
Minsk .	80,076	Elets (1893)	35,570	Shusha .	26,806
Orel .	79,184	Kozlov .	35,003	Novorosiysk ('93)	28,945
Nikolaieff	77,211	Izmail .	35,678	Nukha (1892)	25,894
Nijni-Novgorod	74,926	Sebastopol (1885)	33,803	Uralsk (1890)	26,034
Dünaburg		Ivanovo-Vozne-		Marghelan .	26,080
(Dvinsk)	72,518	sensk .	32,572	Maikop (1892)	24,482
Kursk .	63,041	Libau .	40,000	Alexandrapol	
Orenburg .	62,534	Syzran .	32,794	(1892) .	24,230
Kherson .	62,244	Pinsk .	32,158	Kutais (1892)	25,648
Byelostok .	61,720	Rybinsk .	28,967	Vyernyi (1890)	22,279
Kovno .	61,700	Kostroma .	32,201	Shemakha (1892)	22,778
Elisabethgrad	59,000	Ufa .	33,984	Djizak .	21,800
Bobruisk .	58,761	Serghievsk (1889)	31,413	Tobolsk .	22,651
Jitomir .	58,405	Balta .	32,558	Elisabethpol	
Vitebsk .	58,179	Gomel .	30,830	(1892) .	20,294
Voronej (1892)	56,403	Rjev .	30,381	Blagoveschensk	
Kremenchug .	54,831	Ryazan .	30,170	(1890) .	20,212
Lublin .	53,622	Kertch .	32,167	Batum .	19,891
Reval .	52,644	Nijnetaghilsk	30,000	Zlatoust .	21,104
Ekaterinoslav	51,572	<i>Finland</i> (1890)—		Biysk .	20,500
Grodno .	49,952	Helsingfors <sup>1</sup>	64,641		
Penza .	49,087	Abo .	31,303		

There are 50 more towns with populations of from 20,000 to 30,000 inhabitants in European Russia.

### Religion.

The established religion of the Empire is the Græco-Russian, officially called the Orthodox-Catholic Faith. It has its own independent synod, but maintains the relations of a sister Church with the four patriarchates of Constantinople, Jerusalem, Antioch, and Alexandria. The Holy Synod, the

<sup>1</sup> With suburbs.

<sup>2</sup> 523,133, including military.

<sup>3</sup> Russian part, 10,130.

<sup>4</sup> 112,000 est. 1893.

board of government of the Church, was established with the concurrence of the Russian clergy and the four Eastern patriarchs.

The emperor is head of the Church; he appoints to every office in the Church, and is restricted only so far as to leave to the bishops and prelates the privilege of proposing candidates; and he transfers and dismisses persons from their offices in certain cases. But he has never claimed the right of deciding theological and dogmatic questions. Practically, the Procurator of the Holy Synod enjoys wide powers in Church matters.

The points in which the Græco-Russian Church differs from the Roman Catholic faith are, its denying the spiritual supremacy of the Pope, its not enforcing the celibacy of the clergy, and its authorising all individuals to read and study the Scriptures in the vernacular tongue. With the exception of the restraints laid on the Jews, all religions may be freely professed in the Empire. The dissenters have been and are still, however, severely persecuted, though recently some liberty has been extended to those of the 'United Church.' It is estimated that there are more than 12,000,000 dissenters in Great Russia alone. The affairs of the Roman Catholic Church are entrusted to a Collegium, and those of the Lutheran Church to a Consistory, both settled at St. Petersburg. Roman Catholics are most numerous in the former Polish provinces, Lutherans in those of the Baltic, and Mohammedans in Eastern and Southern Russia, while the Jews are almost entirely settled in the towns and larger villages of the western and south-western provinces.

There are no exact figures as to the numbers of adherents of different creeds—many dissenters being inscribed under the head of Greek Orthodox; they are only estimated as follows:—

Creed	Total
Orthodox Greek Catholics (1890), without army and navy . . . . .	70,718,280
United Church and Armenians . . . . .	55,000
Roman Catholics . . . . .	8,300,000
Protestants . . . . .	2,950,000
Jews . . . . .	3,000,000
Mohammedans . . . . .	2,600,000
Pagans . . . . .	26,000

In Poland the adherents of different religions appeared as follows in 1890:—

Roman Catholics . . . . .	6,214,504
Jews . . . . .	1,134,268
Protestants . . . . .	445,013
Greek Church (without the troops) . . . . .	398,885
Various . . . . .	478
Unaccounted for, floating population . . . . .	63,414

Total, exclusive of military . . . . . 8,256,562

The Russian Empire is divided into 62 bishoprics (*eparchy*), which, according to the last published report, for 1890-91 (*Off. Mess.*, Jan. 10 and 11, 1894), were under 3 metropolitans, 12 archbishops, and 47 bishops; the latter had under them 38 vicars; all of them are of the monastic clergy. There were, in 1891, 50,720 churches both public and private (of which: cathedrals, 695; parish churches, 35,229; churches at cemeteries and in private houses, hospitals, &c., 9,709; *yedynovycrtsy's*, or nonconformists recognised

by Church, 248, and 18,612 chapels), with 52,333 priests and deacons, and 43,615 cantors, &c. No less than 896 churches and 918 chapels were built in 1890 and 1891. The monasteries numbered 497, and had 6,865 monks and 4,512 aspirants, and 228 nunneries with 7,300 nuns and 20,268 aspirants. The management of Church affairs is in the hands of 56 "consistoriae."

Other religions had in 1888 the following numbers of churches and clergy:—

	Churches	Priests		Churches	Priests
Roman Catholic . . . . .	5,156	3,629	Mussulman . . . . .	9,254	16,914
Lutherans (excl. Finland) . . . . .	1,866	605	Jewish . . . . .	6,319	5,673
Armenian . . . . .	1,275	2,025	Karaims . . . . .	35	35

The adherents of different religions in Northern Caucasia and Transcaucasia appeared as follows in 1886-92:—

	Northern Caucasia	Transcaucasia	Total
Orthodox Greeks . . . . .	2,164,381	1,481,066	3,645,455
Raskolniks . . . . .	50,157	57,105	107,262
Armenian Gregorian . . . . .	29,062	955,239	984,301
„ Catholics . . . . .	—	30,676	30,676
Roman „ . . . . .	9,732	12,445	22,177
Mennonites . . . . .	1,105	—	—
Lutherians . . . . .	19,330	14,000	33,330
Jews . . . . .	12,372	37,066	49,438
Sunnite Mussulmans . . . . .	560,989	1,544,137	2,105,126
Shiite „ . . . . .	—	805,746	305,749
Yezides . . . . .	—	11,449	11,449
Pagans . . . . .	12,495	—	12,495
Various . . . . .	624	7,787	8,411
<b>Total . . . . .</b>	<b>2,859,401</b>	<b>4,958,721</b>	<b>7,818,122</b>
Unknown . . . . .	—	—	338,852

The Holy Synod has a capital of about 5,000,000*l.* sterling at its disposal, and the income of the churches amounted in 1891 to over 13,000,000 roubles, out of which 7,085,175 were received as donations to churches. The expenditure of the Synod in 1892 was: 13,995,321 roubles contributed by the Imperial budget (for schools, 1,737,260 roubles; Armenian clergy, 14,204 roubles; Catholic clergy, 1,560,340 roubles; Lutheran clergy, 121,282 roubles; Mussulman clergy, 50,955 roubles), and 6,833,068 roubles contributed by the Synod, chiefly for schools. The total expenditure was 20,788,253 roubles.

### Instruction.

Most of the schools in the Empire are under the Ministry of Public Instruction, and the Empire is divided into 14 educational districts (St. Petersburg, Moscow, Kazan, Orenburg, Kharkoff, Odessa, Kieff, Vilna, Warsaw, Dorpat, Caucasus, Turkestan, West Siberia, and East Siberia). However, many special schools are under separate Ministries. The total contribution for education from the various Ministries in 1894 was 39,336,096 roubles; of this, 7,291,473 roubles was for universities, 19,576,208 roubles for middle-class schools, and 7,403,612 roubles for primary schools.

Finland has a university of its own (see *Finland*). Nearly 4,000 students are either supported by bursaries or dispensed from paying fees.

The statistical data relative to education in Russia are extremely defective, the Caucasian and Turkestan educational districts being the only ones which publish full information. The latest more or less complete data published by the Ministry of Education are relative to 1887; none have been published by the Ministry since.

The high and middle schools of the Empire (exclusive of Finland) are given in the subjoined table partly for the year 1891-93 but mostly for previous years, and still incomplete :—

	Number	Teaching Staff	Pupils and Students
Universities (1893) . . . . .	9	923	13,470
Special high schools . . . . .	10	190	2,096
Ladies' university colleges (1890) . . . . .	1	—	400
Theological academies (1891) . . . . .	4	127	769
Medical academy (1890) . . . . .	1	—	754
Military academies (1890) . . . . .	4	—	464
Agricultural academy . . . . .	1	—	306
Engineering . . . . .	1	—	238
<b>Total high schools (still incomplete) . . . . .</b>	<b>31</b>	<b>—</b>	<b>18,497</b>
Normal schools . . . . .	78	822	5,586
Normal seminaries with practical schools . . . . .			
Gymnasia and progymnasia . . . . .	239	2,815	68,682
Realschulen . . . . .	90	1,403	18,827
Technical and professional . . . . .	44	—	4,769
Theological seminaries . . . . .	54	1,054	17,246
Military and naval schools . . . . .	113	—	21,109
<b>Total middle-class schools for boys . . . . .</b>	<b>618</b>	<b>—</b>	<b>136,219</b>
Girls' gymnasia and progymnasia . . . . .	343	—	70,174
„ institutes . . . . .	30	—	7,911
<b>Total middle-class schools for girls . . . . .</b>	<b>373</b>	<b>—</b>	<b>78,085</b>

According to other information, the number of schools and scholars appears as follows in 1891-92 :—

	Middle Schools			Professional			Primary		
	No. of Schools	Pupils		No. of Schools	Pupils		No. of Schools	Pupils	
		Boys	Girls		Boys	Girls		Boys	Girls
European Russia . . . . .	843	119,126	75,451	342	32,010	3,676	39,003	570,150	455,167
Poland . . . . .	54	11,161	4,648	13	2,390	32	—	—	—
Caucasus . . . . .	51	9,088	4,829	19	1,462	40	—	—	—
Siberia . . . . .	55	3,610	3,791	17	849	75	—	—	—
Turkestan . . . . .	13	1,430	1,024	7	276	15	—	—	—
<b>Total . . . . .</b>	<b>1,016</b>	<b>144,415</b>	<b>89,473</b>	<b>368</b>	<b>36,987</b>	<b>3,832</b>	<b>—</b>	<b>—</b>	<b>—</b>

The ladies' colleges, providing full University education, were closed by Imperial order in 1887-88. One of them has been reopened at St. Petersburg.

The expenses for the middle schools are contributed by the State Exchequer to the amount of 25 per cent. of the aggregate expenditure for the gymnasias, progymnasias, and technical schools, the remainder being made up by fees (about 30 per cent.) and by donations of the *zemstvos*, the municipalities, and so on. The Cossack schools (gymnasias and primary schools both for boys and girls) had 117,926 pupils in 1890; they are maintained by the separate *voiskos*, which, moreover, maintain a number of their pupils in the governmental schools. The total expenditure of the *voiskos* for schools was 2,730,314 roubles in 1890. The Church contributed same year the sum of 1,389,000 roubles, the costs for the schools under the Holy Synod being paid by either the Exchequer or the *zemstvos* and the village communities.

The education in Caucasia appeared as follows, according to the official report for 1892-3, issued by the School Administration:—There were 19 lyceums, gymnasias, and Realschulen, 5 normal schools, 16 lyceums and gymnasias for girls, with a total of 11,338 pupils (6,737 boys, 4,601 girls); 36 town schools (7,052 pupils), 7 professional and 3 naval schools (740 pupils), 5 schools for Mountaneers (595 boys); 89 private schools, with 2,828 boys, and 979 girls; 914 (46,889 boys, 12,869 girls) primary schools; 147 Armenian schools; 434 various schools; 1,866 Mussulman and Jewish schools.

Turkestan had, in 1893 (exclusive of Mussulman schools), 2 gymnasias (1 boys' and 1 girls'), 1 teachers' seminary, and 87 various schools (11 for girls and 38 mixed), having a total of 258 teachers and 4,124 pupils (1,361 girls); 260 children were taught trades. There were, besides, evening classes for the natives (400 pupils), and village schools were opened in 54 Russian villages out of 79. Some schools in towns are for Russians and natives alike.

The statistics of primary education in Russia are as follows for 1887:—

	No. of Schools	Boys	Girls
Ministry of Public Education—			
District schools . . . . .	181	13,857	—
Town . . . . .	442	52,217	—
Primary . . . . .	24,329	1,219,663	339,514 <sup>1</sup>
Holy Synod—			
Boys' schools . . . . .	181	31,593	—
Girls' „ . . . . .	53	—	9,474
Parish „ . . . . .	15,471	408,721	
Schools for indigenes . . . . .	3,415	52,681	10,325
Various . . . . .	35	1,526	793
Jewish schools—			
State . . . . .	77	4,198	1,063
Private and communal . . . . .	1,165	17,279	5,686
Primary schools under the military . . . . .	22	993	43
Cossacks' schools—			
For boys . . . . .	1,280	52,343	—
For girls . . . . .	236	—	16,338
Total, primary education	46,880	1,451,609	383,236
		408,721	

<sup>1</sup> Figures for the Dorpat educational district wanting.

The total number of pupils in the schools of the Empire, exclusive of Finland, was estimated in 1887-88 to be 2,472,627 (1,944,057 males, and 527,570 females); but these figures are incomplete. It thus appears that only 2 per cent. of the aggregate population are at school, and only 20 per cent. of the recruits can read and write.

A certain extension has been given of late to schools conducted by the clergy, the masters of which receive the rights of teaching by *lettres d'obédience* of the bishops. They attained the number of 19,058 in 1890, and had about 600,000 pupils. The *zemstvos* maintained no less than 22,000 schools. In European Russia there is one primary school for each 2,500 inhabitants and one for each 3,345 inhabitants in Siberia (1,446 schools, 49,118 pupils).

A scheme of technical schools was elaborated in 1888, and a scheme of commercial and industrial schools has been introduced since 1889.

By a law, April 24, 1890, the middle schools of the Baltic provinces have been transformed entirely on the plan of Russian gymnasia.

*The Press.*—There were published in the Russian Empire (exclusive of Finland) in 1893 10,242 books, with an aggregate of 33,875,200 copies. Of these there were in Russian 7,782 works, 27,224,900 copies, the remainder being in different languages, the relative proportions being as follows in 1889:—in Polish 723 works, 1,836,088 copies; Hebrew 474 works, 1,132,192 copies; German 377 works, 744,380 copies; Lettish 203 works, 767,570 copies; Esthonian 115 works, 544,410 copies.

Periodicals numbered 743 in 1892 (exclusive of Finland), in the following languages: 589 in Russian, 69 in Polish, 44 in German, 11 in Esthonian, 7 in Lettish, 9 in French, 5 in Armenian, 2 in Jewish, 3 in Georgian, 1 in Finnish, 2 in Russian, German, and Polish, 1 in Russian, German, and Lettish, 1 in Tartar and Russian, 1 in Russian and Turkish, and 1 in Russian and French. In Tiflis, there were 12 periodicals: 4 Russian (7,600 copies), 3 Georgian (1,740 copies), and 5 Armenian (3,850 copies). By the end of 1893 the number of periodicals was 779 (dailies, 113; several times a week, 93; weeklies, 221; fortnightly and monthly, 272; several times a year, 80).

### Justice and Crime.

The organisation of justice was totally reformed by the law of 1864; but the action of that law has not yet been extended to the governments of Olonets, Vologda, Astrakhan, Ufa, and Orenburg, and has been applied but in a modified form (in 1889) to the Baltic Provinces and the government of Arkhangelsk. In the above-named governments the Justice of Peace has been introduced, but the other tribunals remain in the old state. The report of the Ministry of Justice for the years 1886 and 1887, published in August 1889, thus embraces only 59 provinces of European Russia, Poland, and Caucasus (89,601,400 inhabitants), and 64 provinces for justices of the peace. No juries are allowed in Poland and the Caucasus; the justices of peace are nominated by the Government in the provinces which have no *zemstvos*. In Poland there are judges of peace in the towns only, their functions in the villages being performed by Gmina courts, elected by the inhabitants of the Gmina. Siberia has maintained the tribunals of old; in the Steppe Provinces there are district judges, while courts of higher instance are represented by the Justice Department of the provincial administration.

There were in 1891-2 appeal departments of the Senate, 10 high courts, 85 courts of first instance. There were besides—1,280 inquiry judges and 1,345 notaries; 2,126 actual and 3,652 honorary justices of peace. In the unreformed tribunals there were 604 judges, 129 public prosecutors, and 156 inquiry judges.



The activity of the various tribunals in 1887, so far as criminal affairs are concerned, according to the official report, was as follows, the figures for prosecutions, &c., being very incomplete:—Before the courts of justices of the peace there were 785,871 convictions; before the Gmina courts, 207,009 criminal prosecutions were terminated; 172,073 before the courts of first instance; 241 political criminal affairs before the high courts, besides 4,947 appeals; and 10,796 criminal affairs before the Senate.

A new law, dated June 21, 1889, limited to some extent the functions of the juries, especially as regards the crimes committed by the representatives of nobility in their elective functions.

By a law of April 6, 1891, reformed courts as well as chiefs of districts have been introduced in the provinces of the Kirghize Steppes.

According to the last report of the Chief Administration for Prisons the Russian Empire had, in 1892, 875 prisons (of which 126 were in Poland), and the prison population on January 1, 1892, appeared as follows:—

	Men	Women
Under judgment . . . . .	23,701	1,895
Condemned to imprisonment . . . . .	57,062	5,668
"    "    exile . . . . .	12,938	761
Waiting transport to Siberia . . . . .	6,815	896
Kept by order of Administration . . . . .	850	29
Voluntarily following their parents or husbands . . . . .	1,360	1,754
Total . . . . .	102,726	11,003

Of these, nearly 1,200 were insane. In the course of 1892, 698,750 persons entered the prisons, and 696,103 left (each prisoner being counted several times as he is transferred from one prison to another), so that on January 1, 1893, the prison population numbered 116,376, distributed as follows:—lock-ups in Russia, 84,910; lock-ups in Poland, 9,631; hard labour prisons, 5,876; correction houses, 10,426; dépôts, 5,533. The highest figure attained on a given day in all prisons was 157,866 inmates, exclusive of the children. For exile to Siberia, 17,160 persons reached the prison of Tiumen (whence they are distributed over Siberia), and 6,995 were sent further east. Of the 16,077 prisoners brought to Tiumen in 1888, 2,000 were hard-labour convicts, the remainder being—runaways, 1,913; condemned to exile by courts, 3,119; exiled by order of Administration, 3,205 common law and 636 political exiles; women and children following exiles, 5,184. In 1892, 1,444 convicts and persons sent into exile by order of the Administration were conveyed to the island of Sakhalin, on board steamers (out of them, 102 women.). The average population of the hard-labour convict prisons was 14,484. Besides, 750 children were kept in 16 reformatories. In the convict island of Sakhalin at the end of 1892 there were 6,344 hard-labour convicts, and 7,542 released convicts and exiles; to these must be added 925 women who followed their husbands, with about 1,500 children; and the free settlers, who numbered 6,947, had nearly 5,000 acres under culture. Total Russian population, 20,833, of whom 571 died in 1892. The actual expenditure for prisons reached in 1890 the sum of 14,492,883 roubles, of which less than 1,000,000 roubles were obtained through the work of prisoners and convicts.

## Finance.

## I. STATE FINANCE.

The annual financial budget is usually published on January 13, and since 1866 accounts of the actual revenue and expenditure are published by the Control Administration, after a minute revision of each item. It consisted until 1892, both for revenue and expenditure, of three separate parts: the ordinary revenue and expenditure; the 'recettes d'ordre' and 'dépenses d'ordre,' being transferences of sums among different branches of Administration; and the extraordinary revenue (loans, war indemnity, &c.) and expenditure (railways, military, public works). The second heading has been abolished since 1892.

In accordance with a law of June 4, 1894, all expenditure for the re-arming of the army, special reserves of food, the building of new ports, as also upon the State's railways, is to be henceforward included in the ordinary expenditure, leaving expenditure for new railway lines only under the heading of extraordinary expenditure; while the military contributions (Turkey, Khiva) have been transferred to the ordinary revenue, leaving under the heading of extraordinary revenue only the money realised from loans, and the perpetual deposits at the Imperial Bank.

The following table gives the total actual *ordinary* revenue and expenditure for each of the years 1883-93, in paper roubles, according to a report published by the Control of the Empire in the *Official Messenger* in December, 1894. The average yearly gold value of the rouble, and its official value, taken for budget estimates,<sup>1</sup> are also given, and, in the last two columns, are shown in thousands of roubles the ordinary revenue in gold, without and with redemption taxes, as given by the State's Control, 1 rouble gold being taken as uniformly equal to 1r. 50c. paper:—

Year	Revenue	Expenditure	Real average Value of Paper Rouble	Official Value of Paper Rouble <sup>1</sup>	Without Redemption Taxes	With Redemption Taxes
	Rbles.	Rbles.	d.	d.	1,000 Rbles.	1,000 Rbles.
1883	698,980,983	723,673,258	23·52	25·37	—	—
1884	706,266,349	727,902,675	24·03	25·37	706,266	—
1885	764,477,515	806,614,346	24·13	25·37	713,556	764,478
1886	770,546,090	832,391,851	23·18	25·37	711,758	770,546
1887	829,661,423	838,849,860	21·30	22·78	774,806	818,092
1888	898,531,925	840,419,494	22·43	21·31	829,893	872,945
1889	927,035,439	857,881,126	25·10	22·48	867,717	910,132
1890	943,685,770	877,779,550	27·50	22·48	885,108	926,073
1891	894,263,392	875,348,831	25·98	23·43	848,334	883,185
1892	970,164,542	910,684,299	24·00	23·43	925,851	961,615
1893	1,045,685,472	946,955,017	24·85	22·48	983,086	1,025,883

<sup>1</sup> Part of custom duties being paid in gold, the gold rouble is calculated at a certain ratio, determined by the Ministry of Finance. Until 1887 the ratio was 1 rouble 50 copecks paper for the rouble in gold. It was fixed at 1 rouble 67 copecks in 1887, 1 rouble 80 copecks in 1888, 1 rouble 70 copecks in 1889 and 1890, 1 rouble 60 copecks in 1891 and 1892, and 1 rouble 12 copecks for the silver rouble, and again 1 rouble 70 copecks in 1893, and 1 rouble 19 copecks for the silver rouble.

The increase of revenue in ten years, 277,000,000 roubles (or 39 per cent.) is chiefly due to an increase in the revenue from new railways bought by the State (74,500,000), which is absorbed by the costs of exploitation (46,000,000) and the payments on obligations (35,000,000). Another source of increase (47,500,000) was in the increased import duties, a third an increased excise (69,000,000) on tobacco, naphtha, sugar, and matches; and the remainder is due to an increase of direct taxes, State's domains, &c.

The actual *ordinary* revenue and expenditure for the last five years, as revised by the State's Control, are given as follows in the Memoir presented by

the Control to the Council of the State in December, 1893, in thousands of roubles. Slight alterations have been introduced in the disposition of the budget in 1892, and the 'recettes d'ordre' have been abolished in 1891:—

## ACTUAL ORDINARY REVENUE.

Sources of Revenue	1889	1890	1891	1892	1893
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
1. <i>Taxes</i> :—					
A. Direct.					
Land and forests . . .	42,810	42,958	41,962	43,561	46,819
Trade licences . . .	32,856	34,339	34,430	35,402	40,475
5 per cent. on capital .	12,012	11,916	12,151	12,381	13,203
B. Indirect.					
Spirits . . . . .	274,920	268,381	247,522	269,046	260,834
Tobacco . . . . .	28,178	27,768	28,572	29,480	31,809
Sugar . . . . .	17,959	21,629	20,857	27,703	30,340
Other excise duties (naphtha, matches) . .	13,777	15,288	14,865	18,092	22,945
Custom duties . . . .	138,051	141,939	128,662	130,552	165,989
Stamp duties . . . . .	20,613	21,231	25,201	26,665	27,914
Transfer duties . . . .	15,985	15,990	15,095	17,461	17,841
Passports, railway taxes, &c. . . . .	22,466	23,882	21,811	22,416	22,825
2. <i>State Monopolies</i> :—					
Mining . . . . .	2,796	3,135	2,940	3,250	3,797
Mint . . . . .	394	802	225	522	931
Posts . . . . .	19,249	19,794	21,146	21,892	22,928
Telegraphs . . . . .	10,296	10,497	11,311	11,875	12,369
3. <i>State Domains</i> :—					
Rent for domains . . .	10,290	10,194	12,650	13,553	14,564
Sales of „ . . . . .	880	910	905	1,109	866
Crown forests . . . . .	17,130	16,734	16,921	18,769	21,756
Crown mines . . . . .	7,200	8,198	9,258	9,660	10,049
State railways . . . . .	33,425	49,318	60,693	74,408	85,146
Crown capitals and banking operations . .	—	—	11,286	22,232	6,800
Crown's part in private railways . . . . .	—	—	4,636	4,505	4,160
4. <i>Redemption of Land</i> :—					
Liberated serfs . . . .	42,415	40,967	34,851	35,767	42,802
Crown peasants . . . .	49,332	47,265	35,930	41,325	56,192
5. <i>Miscellaneous</i> :—					
Railway debts . . . . .	49,550	38,747	33,362	32,190	30,361
Banking operations . . .	11,391	16,231	—	—	—
Crown debts . . . . .	19,096	17,117	19,742	21,407	23,178
Aid from municipali- ties . . . . .	14,046	16,051	16,933	17,156	18,731
Various . . . . .	17,028	18,663	9,346	7,788	9,849
6. ' <i>Recettes d'ordre</i> ' . . .	2,921	3,741	—	—	—
Total ordinary revenue . .	927,035	943,686	894,263	970,164	1,045,685

## ACTUAL ORDINARY EXPENDITURE.

—	1889	1890	1891	1892	1893
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
State debt . . . . .	271,292	267,091	253,757	256,825	266,903
Higher institutions of the State . . . . .	2,065	2,208	2,648	2,865	2,240
Holy Synod . . . . .	11,186	12,098	11,340	11,466	12,309
<i>Ministries:—</i>					
Imperial House . . . . .	10,560	10,560	10,560	10,525	10,522
Foreign Affairs . . . . .	4,591	4,811	4,784	4,753	5,125
War . . . . .	225,989	228,110	226,107	236,159	236,312
Navy . . . . .	40,784	40,693	45,468	48,186	50,387
Finances . . . . .	107,063	106,807	107,689	114,432	124,337
State's Domains . . . . .	24,435	24,249	24,532	24,154	25,293
Interior . . . . .	75,666	76,354	80,203	82,117	83,233
Public Instruction . . . . .	21,954	22,639	22,769	21,745	22,410
Ways and Communica- tions . . . . .	36,049	56,290	56,148	67,407	75,556
Justice . . . . .	21,621	22,861	23,874	24,506	25,508
State's Comptrol . . . . .	3,501	3,873	4,220	4,278	4,493
State's studs . . . . .	1,123	1,136	1,248	1,266	1,305
Rise of prices in food . . . . .	—	—	—	—	823
Previous Estimates . . . . .	—	—	—	—	193
<b>Total . . . . .</b>	<b>857,881</b>	<b>877,780</b>	<b>875,349</b>	<b>910,684</b>	<b>946,955</b>
Including redemption operations . . . . .	40,234	40,243	40,410	39,133	39,431

The total ordinary and extraordinary revenue and expenditure in 1893 were as follows:—

1893	Estimates	Actual Revenue and Expenditure
	Roubles	Roubles
Ordinary revenue and receipts <i>d'ordre</i> . . . . .	961,222,143	1,054,868,771 <sup>1</sup>
Ordinary expenditure and expenditure <i>d'ordre</i> . . . . .	947,690,385	946,955,017
Difference . . . . .	+ 13,531,758	+ 107,913,754
Extraordinary revenue . . . . .	79,236,242	184,917,654
Extraordinary expenditure . . . . .	92,768,000	113,580,835
Balance . . . . .	- 13,531,758	+ 71,336,818
Total balance . . . . .		+ 179,250,572

<sup>1</sup> Including the balance of previous budgets = 9,183,299 roubles.

Taking into consideration that various items of revenue and expenditure, formerly inscribed in the extraordinary budget, will henceforward appear in

the ordinary budget ; and that the valuation of one rouble in gold as equal to 1r. 50c. in paper, and the silver rouble as equal to the paper rouble, would better correspond to the real value of the paper rouble, the State's control gives moreover the following table of real revenue and expenditure in 1893 :—

Ordinary revenue . . . . .	Roubles 1,029,335,759	Ordinary expenditure . . . . .	Roubles 986,987,879
Balance of previous budgets	9,183,299	Balance of revenue over expenditure . . . . .	+ 51,531,179
<b>Total . . . . .</b>	<b>1,038,519,058</b>	<b>Total . . . . .</b>	<b>1,038,519,058</b>
Extraordinary revenue . . . . .	162,677,611	Extraordinary expenditure . . . . .	57,197,566
Balance of previous budgets	10,542,891	Balance of revenue over expenditure . . . . .	+ 116,022,936
<b>Total . . . . .</b>	<b>173,220,502</b>	<b>Total . . . . .</b>	<b>173,220,502</b>

In other words, the *ordinary* revenue of 1893 (1,038,519,058 roubles) has very nearly covered both the ordinary and the extraordinary expenditure (1,044,185,445 roubles).

The balance of the total revenue and expenditure for the last five years, in metallic and paper money, is given as follows in the above-mentioned Controller's Report. The sign (+) shows an excess of revenue over the expenditure ; the sign (-) shows the reverse :—

Years	In Gold and Silver	In Paper Money
<i>Balance of Ordinary Revenue and Expenditure.</i>	Roubles	Roubles
1889 . . . . .	+ 17,993,685	+ 65,310,461
1890 . . . . .	+ 29,738,337	+ 38,994,269
1891 . . . . .	+ 32,015,308	+ 2,463,103
1892 . . . . .	+ 37,450,343	+ 15,223,069
1893 . . . . .	+ 29,465,570	+ 55,423,630
<b>Balance for Five Years . . . . .</b>	<b>+ 146,663,242</b>	<b>+ 177,414,532</b>
<i>Balance of Extraordinary Revenue and Expenditure.</i>		
1889 . . . . .	+ 26,711,755	- 85,189,130
1890 . . . . .	- 18,044,792	+ 4,732,949
1891 . . . . .	- 55,881,648	- 92,593,904
1892 . . . . .	+ 58,049,922	- 104,535,617
1893 . . . . .	+ 33,880,024	+ 14,411
<b>Balance for Five Years . . . . .</b>	<b>+ 46,715,261</b>	<b>- 277,571,290</b>
<b>Total Balance . . . . .</b>	<b>+ 193,378,503</b>	<b>- 100,156,778</b>

The surplus in the ordinary revenue in comparison with the estimates is due in 1893, partly to the low estimates of the same, and partly to the good crops. The surplus in the direct taxes attained 2,115,373 roubles ; in the taxes levied upon trade under a new law, 2,742,872 roubles ; payments of the liberated serfs attained 21,994,480 roubles ; in the excise duties on spirits 3,440,162, and in the custom duties 31,019,036 roubles, in consequence of a very high impost.

The detailed budget estimates for the years 1894 and 1895 appear as follows:—

## REVENUE.

Sources of Revenue	1894	1895
	Roubles	Roubles
<b>I. Ordinary revenue:</b> <sup>1</sup>		
Direct taxes—		
Land and personal . . . . .	49,450,365	47,869,688
Trade licences . . . . .	38,863,878	40,596,100
On capital . . . . .	12,952,000	13,092,000
Total direct taxes	101,266,243	101,557,788
Indirect taxes—		
Excise on spirits . . . . .	268,095,739	277,940,439
" " tobacco . . . . .	31,546,602	31,760,102
" " sugar . . . . .	30,636,000	39,286,500
" " naphtha . . . . .	15,050,300	17,055,300
" " matches . . . . .	6,516,700	6,516,700
Customs duties <sup>1</sup> . . . . .	129,693,200	148,029,000
Stamp duties . . . . .	62,852,262	63,582,000
Total indirect taxes	544,390,803	584,168,041
Mint, mines, post, and telegraphs . . . . .	40,274,957	42,297,106
State Domains . . . . .	159,981,472	247,893,586
Sale of State Domains . . . . .	823,353	819,310
Redemption of land : State's peasants . . . . .	42,540,336	45,253,812
Liberated serfs . . . . .	39,459,664	42,522,812
Reimbursement of railways' and other loans . . . . .	69,868,243	67,991,688
Miscellaneous . . . . .	6,218,206	7,113,323
War contributions . . . . .	—	3,337,139
Total ordinary revenue	1,004,823,277	1,142,957,006
<b>II Extraordinary revenue :</b>		
War contributions . . . . .	3,337,139	—
Perpetual deposits at the Bank of Russia . . . . .	1,500,000	2,000,000
Railways' debts . . . . .	14,927,801	—
Total extraordinary revenue	19,764,940	2,000,000
To meet extraordinary expenditure . . . . .	59,013,309	69,421,024
Total revenue . . . . .	1,083,601,526	1,214,378,030

<sup>1</sup> The custom duties and other revenue in gold are calculated at 1r. 70c. for the rouble in gold in 1895 and 1r. 60c. in 1894; the silver rouble is taken at 1r. 00c. in 1894 and 1895.

The deficit is met by sums disposable at the Treasury, from the last loans. The estimated increase in revenue is due, to foreseen increases (1) in excise duties on spirits (9,845,900); sugar, (8,651,000); naphtha (2,005,000). (2) in custom duties (18,336,000). (3) in revenue from Crown forests (5,585,000); and State railways (73,908,000) owing to the purchase of several important railways by the State; (4) in redemption and other direct taxes.

## EXPENDITURE.

Branches of Expenditure	1894	1895
I. Ordinary expenditure :	Roubles	Roubles
1. Public debt—		
(a) Interest and capital, State debts	208,117,299	221,003,960
(b) „ „ railway obligations	56,261,754	56,403,054
2. Higher institutions of the State .	2,210,451	2,368,873
3. Holy Synod . . . . .	12,606,924	13,648,893
4. Ministry of the Imperial Household	10,560,000	11,769,264
5. „ „ Foreign Affairs . . . . .	5,013,198	4,895,749
6. „ „ War . . . . .	275,336,411	271,161,313
7. „ „ Navy . . . . .	55,129,393	54,923,509
8. „ „ Finances . . . . .	123,838,298	144,346,392
9. „ „ Agriculture and State Domains . . . . .	28,864,096	31,409,378
10. „ „ Interior . . . . .	85,362,817	86,782,146
11. „ „ Public Instruction . . . . .	22,260,935	23,600,125
12. „ „ Ways & Communications	105,863,946	152,745,292
13. „ „ Justice . . . . .	26,071,909	26,148,870
14. State Control . . . . .	4,854,548	5,386,928
15. Direction of studs . . . . .	1,535,871	1,501,192
Unforeseen . . . . .	11,500,000	12,000,000
<b>Total ordinary expenditure . . . . .</b>	<b>1,035,887,850</b>	<b>1,120,094,938</b>
II. Extraordinary expenditure :		
1. For railways and ports . . . . .	47,713,676 <sup>1</sup>	94,283,092 <sup>2</sup>
2. Reform of armament . . . . .	—	— <sup>3</sup>
3. Special reserves of food supplies . . . . .	—	— <sup>4</sup>
<b>Total extraordinary expenditure</b>	<b>47,713,676</b>	<b>94,283,092</b>
<b>Total expenditure . . . . .</b>	<b>1,083,601,526</b>	<b>1,214,378,030</b>

<sup>1</sup> Siberian railway, 35,502,801 roubles; works connected with it, 1,384,875; other railways of general use, 10,826,000.

<sup>2</sup> Siberian railway, 49,816,515 roubles; works connected with it, 2,160,309; other railways of general use, 32,306,268; local railways of simplified type, 10,000,000.

<sup>3</sup> Included now in War Budget.

<sup>4</sup> Included under (9).

As a whole, the aggregate ordinary expenditure, apart from outlay on public works, has increased between the years 1877 and 1893 from 587 million roubles to 1,214 million roubles, the burden of the public debt having meanwhile increased from 114 millions to 277 millions.

The Public Debt of Russia consists of loans contracted at various periods from 1798 to 1893 (many of which have been converted), the Polish obligations of 1844, and Liquidation Certificates of 1831-52, bonds of State railways, and the paper currency. A detailed statement of the condition of these debts on January 1, 1893, was given in the *Year Book* for 1892, pp. 873-876. On January 1, 1893, they amounted to 2,489,700*l.* sterling, 541,502,000 francs, 1,275,399,075 roubles gold, and 3,079,800,785 roubles paper. The operations of the years 1889-93 are summed up as follows in Controller's report (*Official Messenger*, December 21, 1894):—

	Gold	Silver	Paper
	Roubles	Roubles	Roubles
<i>Loans converted:</i>			
6 per cent. . . . .	50,000,000	—	—
5½ per cent. . . . .	—	—	65,174,900
5 per cent. . . . .	704,052,369	38,281,000	364,599,900
4½ per cent. . . . .	121,507,438	—	—
Treasury bonds . . . . .	—	—	24,000,000
Total . . . . .	875,559,807	38,281,000	453,774,800 (= 1,805,395,511) <sup>1</sup>
<i>New loans concluded, for nominal sum of:</i>			
4 per cent. . . . .	910,448,375	—	454,000,000 (= 1,819,672,562) <sup>1</sup>
Cost of conversion . . . . .	62,819,464	2,839,690	77,472,177 (= 174,541,064) <sup>1</sup>

<sup>1</sup> 1 rouble 50 copecks paper = 1 rouble gold; 1 rouble paper = 1 roubles silver.

Reckoning the pound sterling as equal to 6*r.* 40*c.* in gold, the rouble in gold as equal to 1*r.* 60*c.* in paper money, and the silver rouble as equal to 1*r.* 00*c.* in paper money, the Minister of Finances gives (in the *Off. Mess.*, Dec. 21, 1893) all liabilities of the Empire, inclusive of the debt for the redemption of land, as follows, in paper money, on January 1, 1893, and January 1, 1894:—

	Jan. 1, 1893	Paid in 1893	Jan. 1, 1894
	Roubles	Roubles	Roubles
State debt, inclusive of the paper currency . . . . .	722,388,191	53,674,985	859,139,354
Ditto . . . . .	2,536,487,787	16,491,679	2,645,673,435
Railway obligations . . . . .	843,942,750	2,093,500	841,849,250
Ditto . . . . .	149,800,000	200,000	149,600,000
Redemption of land . . . . .	491,625,716	10,133,991	483,620,175
Total . . . . .	5,527,409,915	111,938,726	5,830,376,516

The new debts contracted in the same year were:—

(1) *State debt*:—interior 3 p.c. loan, final realisation, 49,942,250 roubles in gold; 4 p.c. conversion loan, 44,509,375 roubles in gold; 4½ p.c. interior loan, 100,000,000 paper roubles; perpetual deposits to the Bank (1,764,427), and other deposits, 151,100 paper roubles; (2) *Railways* bought by the State, 96,850,609 roubles in gold and 23,980,000 paper roubles; and (3) *Redemption*



of Land, 5 p.c. obligations for 2,128,450 paper roubles. Total, 414,905,327 paper roubles.

The money in the Imperial Treasury was :—

—	Jan. 1, 1893	Jan. 1, 1894
	Roubles	Roubles
Gold . . . . .	126,131,727	237,059,393
Silver . . . . .	8,188,600	9,292,559
Paper roubles . . . . .	148,864,501	184,901,121

Deducting from this sum the outlays which had to be made according to previous estimates, the ready cash at the Treasury amounted to 239,553,120 paper roubles as against 92,378,558 paper roubles on January 1, 1893.

As to the liabilities to the State, they were as follows on January 1, 1894 :—

	Roubles
Military contributions from Khiva . . . . .	955,760 paper.
„ „ „ Turkey . . . . .	181,465,910 gold.
Railways . . . . .	{ 303,730,092 gold. 929,044,821 paper.
Redemption of peasants' lands . . . . .	1,646,694,299 paper.
Debts of local treasuries . . . . .	111,888,581 paper.
Various . . . . .	{ 7,211,346 gold. 229,790,912 paper.
Total . . . . .	3,683,789,340 paper.

In the year 1894, the conversion of the 5 p.c. interior loans into 4 p.c. obligations was ordered (April 8) to the amount of no less than 500,000,000, and not more than 750,000,000 roubles ; a 3 p.c. loan for 41,625,000 roubles in gold was concluded (June 22) for the conversion of the mortgage securities of the Central Mortgage Bank ; and a 3½ p.c. loan was concluded (November 24) for the nominal sum of 100,000,000 roubles in gold, for the purchase of 5 p.c. railway obligations, to be completed before June 1, 1895. In the same year new Treasury bonds, bearing only 3 p.c. interest (free of taxes) were issued for a sum of 39,000,000 roubles instead of the old bonds, on which an interest of 4½ p.c. had been paid.

The payments of interest and capital for the State and railway debts in the budget estimates for 1895 appear as follows :—

#### STATE DEBT.

	Roubles, gold.	Paper roubles.
A. Loans concluded in metallic value :—		
Exterior, interest and capital . . . . .	33,093,022	—
Interior „ „ . . . . .	5,228,693	—
Obligations of State railways, interest and capital . . . . .	15,072,159	—
Banking expenses . . . . .	46,320	—
Loss on the depreciation of the paper rouble	—	32,064,718
Total A. . . . .	—	85,505,912
B. Loans concluded in paper roubles :—		
Exterior, interest and capital . . . . .	—	3,037,773
Interior „ „ . . . . .	—	141,635,223
Total B. . . . .	—	144,772,996

RAILWAY DEBT (*to be repaid by the railways*).

Railway obligations, interest and capital	29,848,600	—
Banking expenses . . . . .	14,731	—
Loss on the depreciation of the paper rouble	—	17,917,998
4½ per cent. consolidated loans . . . . .	—	6,940,525
<hr/>		
Total railway debt . . . . .	—	54,721,854
Payments for old coupons and obligations not drawn by their owners in former years	—	1,681,200
<hr/>		
Grand Total . . . . .	—	264,379,053

On January 1, 1895, the Treasury had in cash :—

Gold and metallic obligations . . . . .	233,413,503	roubles
Silver . . . . .	8,942,201	„
Paper and obligations in paper roubles.	50,635,635	„

## II. LOCAL FINANCE.

The actual annual receipts of the provincial assemblies (the *zemstvos*), which were 32½ million roubles in 1881, reached 47,291,233 in 1887, of which 26,916,181 roubles were levied in land taxes (out of 43·8 millions foreseen in the estimates), 5,982,565 from various other taxes, and 5,760,580 only from taxation of trade. Of the 585,300,000 acres which pay the land tax, 235,000,000 acres belonging to peasants pay an average of 6·3 copecks per acre, while the 351,000,000 acres belonging to landlords pay an average of 3·3 copecks per acre. The aggregate expenses of the *zemstvos* reached the same year 44,131,775 roubles, that is, an average of 1·6 rouble per male of population. Of that, 11 per cent. was spent for the administration of the *zemstvos*, 23 per cent. for hygiene and medical help, 17 per cent. for education, and 37 per cent. for obligatory expenses.

The aggregate budgets of 684 towns of European Russia and Poland reached in 1890 nearly 60,000,000 roubles of income and equal expenditure. Only 5 towns have each an income above one million roubles. The aggregate debt of all towns reached in 1882 26,842,177 roubles.

The expenses of the village communities have been tabulated for 46 provinces of Russia proper for 1881; they reached the sum of 32½ million roubles; that is an average of 1r. 16c. per male soul of population.

## Defence.

## I. FRONTIER.

Russia has an extensive frontier both by sea and land, protected by numerous fortifications of various classes. On the west, Poland is defended by a system of four strongholds, sometimes called the Polish Quadrilateral—Novogeorgievsk on the right bank of the Vistula; the fortifications of Warsaw; Ivangorod on both sides of the Vistula; Brest-Litovski on the Bug. As the Vistula line remained unprotected on the rear from a possible invasion through Eastern Prussia, new fortifications have been raised in the rear of these fortresses. Western Poland, to the west of the Vistula, remained also quite unprotected, but new fortifications are being raised now about Kielce, at the foot of the Lysa-Gora Mountains in south-west Poland. There are

numerous other fortified places, mostly neglected, on the Vistula and Bug.

Between Poland and the Duna is the citadel of Vilna, while other works are being carried out on the river Nieman. The river Duna is defended at its mouth, at Riga, Dunaburg, and Vitebsk. On the west frontier, south of Poland, are several old fortified places which are being restored. The lower course of the Dniester is defended at Bendery and Akkermann; behind this line are Bobruisk and Kieff; the entrance to the Dnieper and the Bug is defended by Kinburn and Ochakov. The Baltic coasts are defended at Riga, Dunamunde, Reval, Narva, Cronstadt, Viborg, Fredericksham, Rochtensalm Island, Sveaborg Islands, Hangeøudd, Abo, and the Aland Islands. The Black Sea coast is defended by the batteries of Odessa and extensive strong works at Nikolaieff; in the Crimea Sebastopol has been refortified, and the Isthmus of Perekop has various lines of defence, while small fortifications are found at Kertch, Yenikalé, Kaffa, Azov, and Taganrog. There are numerous fortified posts on the Caucasian coast, the chief of which is Poti, at the mouth of the Rion. Batum has now a large arsenal and is fortified. The Caucasus itself has numerous fortifications of varying importance: Yekaterinodar on the Kuban; Adagan, Krymskaya, and Bakan on affluents of the left bank of that river; Vladikavkaz on the Terek, and Nalchik on one of its left affluents; Derbend on the Caspian; Gunib and Deshlagar in Daghestan; Tiflis; Akaltsik, Alexandropol, Erivan, and the recent annexations Kars, Ardahan, and Batum. In the Asiatic dominions are Krasnovodsk and Chikishlar on the Caspian; Chat, Kizil-Arvat, Askabad, and Sarakhs on the Persian frontier; Nukus and Petro-Alexandrovsk on the Khiva frontier; on that of Bokhara, Katykurgan and Samarkand, Ura-tube and Khojent; on that of Kashgar, Karakol and Naryn. In the interior of Russian Turkestan are several fortified places, as at Kazalinsk, Karamakchi, and Tashkent. All these latter are earthworks, of importance only against the Asiatic neighbours of Russia. On the Pacific coast there are fortifications at Nikolaievsk, at the mouth of the Amour, and Vladivostok.

## II. ARMY.

Since January 13, 1874, military service has been rendered obligatory for all men from their 21st year. With the modifications introduced in that law on October 30, 1876, and June 26, 1888, military service is organised as follows:—Out of about 870,000 young men reaching every year their 21st year, about

260,000 are taken into the active army, and the remainder are inscribed partly in the reserve and partly in the 2nd reserve, or 'Zapas.' The period of service is, in European Russia, five years in the active army (in reality reduced by furloughs to 4 years), 13 years in the reserve, and 5 years in the 'Zapas;' 7 years in active army and 6 years in the reserve in the Asiatic dominions; and 3 years in the active army and 15 years in the reserve in Caucasia. In case of need the Minister of War has the right of keeping the men for another six months under the colours.

Certain privileges are granted on account of education, and clergymen are exempt, as also doctors and teachers.

In 1894, of the 953,679 young men liable to military service (of whom 45,801 Jews), 29,668 (6,239 Jews) did not appear; 152,954 were found too weak for military service; 217,865 inscribed in the first part of the militia, and 268,351 (14,171 Jews) were taken into the army, besides 2,400 Caucasian natives, out of 23,960 liable to service. The contingent for 1895 was 264,300 men, besides 2,400 Caucasians. The men inscribed in the *reserve* troops are convoked for drill six weeks twice a year.

The 'Opoltchenie,' formerly a simple militia, was reorganised in 1888 and 1891 (April 27th), and the duration of the service prolonged to 43 years instead of 40, for the soldiers, and from 50 to 55 for the officers. It is divided into two parts. The first part (*pervyi razryad*) has the character of reserve troops, and includes all those who have passed through active service, as also those who have not been taken into the active army, though able-bodied. It is intended chiefly to complete the active troops in time of war, and enables Russia to call out, in case of need, 19 classes of drilled conscripts. 'Cadres' having been formed in the 'Opoltchenie,' the men called out in case of war will find ready battalions, squadrons, &c., wherein to enter, and these parts will be provided with artillery. Drilling of some parts of the militia has been introduced. The second part, or *vtoroi razryad* (including all able-bodied men who have served in the first division, as also those liberated from service as not fully able-bodied, or being single workers in their families), can be called out only by an Imperial manifesto, and only for organising corps of militia.

The Cossacks, who constitute 11 separate *voiskos* (Don, Kuban, Terek, Astrakhan, Orenburg, Ural, Siberia, Semiryetchensk, Transbaikalia, Amur, and Usuri—the latter erected to a separate *voisko* in 1889), are divided into three classes: the first in active service; the second on furlough with their arms and horses; and the third with arms but without horses. Each *voisko* is bound to equip, clothe, and arm its soldiers. Part of the Cossack cavalry is incorporated in the field troops, together with regular cavalry. The obligations of each *voisko* are regulated by separate laws.

The indigenous troops, which number in time of peace 23 squadrons and 2 companies, are organised from Caucasians.

By the law of December 18, 1878, which came into force on January 1, 1881, personal military service is declared obligatory in Finland. The Finnish troops form 9 battalions of riflemen, each with 18 officers and 505 men, and number in all 4,833 and 1 regiment of dragoons. In 1886 obliga-

tory military service was extended to the natives of the Caucasus, but, according to the law of June 9, 1887, the Mussulman population of Caucasia has had a tax imposed of 528,000 roubles, to be paid from January 1, 1890, instead of military service.

The Russian army is divided into: (a) field troops; (b) fortress troops; (c) local troops; (d) reserve; (e) second reserve or Zapas; (f) auxiliary corps. Its numerical forces, both in time of peace and war, are as follows:—

### *Peace-footing.*

The peace-footing in 1893 was as follows:—

#### I. EUROPEAN ARMY.

(A.) **FIELD TROOPS:** (a) *Infantry*.—193 regiments (12 of the guard), divided into 48 divisions; each regiment has 4 battalions (of 4 companies each) and 1 detachment of non-combatants. Total, 772 battalions, 351,074 combatants, 13,510 officers, and the musicians; 20 regiments of army riflemen of 2 battalions each = 40 battalions, 23,580 combatants, 660 officers; 8 battalions of riflemen (4 guard, and 4 Caucasian), 3,584 combatants, 152 officers; and 6 battalions of Cossacks = 4,410 combatants, being thus a total of 818 battalions of infantry, 382,648 combatants.

(b) *Cavalry*.—58 regiments (4 of cuirassiers [4 sq. each], 2 hussars, uhlans, and 50 dragoons), of 6 squadrons each—the 6th squadrons being 'cadre' troops = 340 squadrons, 69,740 combatants: 1 Finnish dragoon regiment, 870 men; and 37½ Cossack regiments (221 *sotnias* or squadrons), 34,790 combatants; being a total of 519 squadrons, 84,926 combatants of cavalry. 4 squadrons of Crimea Tartars and Ossetians, being a total of 1,424 combatants, must be added to the above. The cavalry is divided into 21 divisions (2 of the guard and 14 of the army, which includes 1 Cossack regiment each), 1 Caucasian (4 regiments of dragoons), and 4 Cossack divisions (16 Cossack regiments). All the cavalry is kept in time of peace on the war-footing of 144 armed men in the squadron, ready to be moved at once after the addition of a few harness-horses, while 56 squadrons (one in each regular regiment) remain for the formation of reserves. The 32 Cossack regiments have with them 14 mounted batteries incorporated into the cavalry divisions. Two new dragoon regiments have been formed in July 1891.

(c) *Artillery*.—48 field artillery brigades: heavy, light, and mountain batteries of 8 guns each. Of these 30 are kept on a war footing of 8 guns each, and 275 have horses for 4 guns each = 1,240 guns, 63,143 combatants; 48 mounted batteries, including the 14 above-mentioned mounted Cossack batteries = 288 guns, 7,594 men; 3 mountain batteries at the Kieff fortress, 18 guns; 5 sortie batteries, 2 guns each, 560 men; and 20 field mortar batteries in 5 regiments, 8 guns each, both in time of peace and war = 160 mortars, 2,207 men; thus being a total of 371 field batteries, 1,456 guns, and 160 mortars, 74,000 men.

(d) The *Engineers' Corps*, reorganised in 1892, comprises: 28 battalions of sappers, each of 4 and 5 companies (about 125 men each); 8 battalions of pontoneers, each of 2 companies, having each 102 carts and one bridge 700 feet long; 17 field telegraph companies (40 miles wire and 2 stations in each); 1 telegraph instruction company; 4 battalions of railway engineers; 8 torpedo companies; 1 aeronautic park; and 6 engineer trains (parks) divided into 60 sections, each of which has the tools, &c., necessary for an infantry division; being a total of 40½ battalions (7 brigades), with trains and 23 parks = 23,219 men.

(e) The *Train* comprises: 5 train cadre battalions = 20 companies = 1,995 men; 48 flying artillery parks, of 4 divisions each; 15 mobile artillery parks for cadres, 4 divisions in each; 3 siege-parks, 2 in European Russia

(12 8-inch guns, 60 heavy and 144 light 6-inch guns, 116 4-inch guns, and 130 mortars in each), and 1 Caucasian (320 guns and mortars); 2 siege engineer-parks, being, together with the hospital detachment, a total of 35,130 men.

The total of the Field Troops of the European Army is thus 624,403 combatants, and about 28,200 officers.

(B.) The COSSACKS, first calling under arms, comprise :—

Don Cossacks: 19 regiments, 110 squadrons of cavalry; 8 mounted batteries, 48 guns; and 1 reserve battery, 3 guns; total, 18,092 combatants.

Kuban: 11 regiments and 3 squadrons of cavalry = 69 squadrons; 4 battalions, of 4 *sotnias* each, and 10 cadre detachments (220 men); and 5 mounted batteries, 20 guns; total, 13,575 combatants.

Terek: 4 regiments and 1 squadron = 25 squadrons and 2 mounted batteries, 8 guns; total, 3,759 combatants.

Astrakhan: 4 squadrons, 602 combatants.

Orenburg: 6 regiments and 3 squadrons = 33 squadrons, and 3 horse batteries, 18 guns; total, 6,232 combatants.

Ural: 3 regiments and 2 squadrons = 19 squadrons, 2,808 combatants.

Siberian: 3 regiments = 18 squadrons, 2,697 combatants.

Semiretchensk: 1 regiment = 4 squadrons, 650 combatants.

Transbaikalia: 1 regiment = 6 squadrons and 2 horse batteries, 1,983 combatants.

Amur: 2 squadrons, 655 combatants.

Usuri (formed in 1889, formerly part of the Amur Voisko): 2 companies, about 240 combatants.

Total, 291 squadrons, 20 infantry companies, and 21 horse batteries = 52,484 combatants; out of which  $4\frac{1}{2}$  battalions, 185 squadrons, and 14 batteries (32,736 combatants) must be deducted. That is, 106 squadrons and 7 batteries, 19,448 combatants, after the deduction of the Cossack forces incorporated into the field troops.

Moreover 24 *sotnias* (squadrons) and two companies of militia: Daghestan (9 squadrons), Kuban (1 squadron), Terek (8 squadrons), Kars (3 squadrons), Batum (1 squadron and 2 companies), Turkomanes (3 squadrons), are under arms.

(C.) The FORTRESS TROOPS comprise 31 battalions (as many regiments in case of war) of infantry, 5 companies each, 52 battalions of 4 companies each, and 6 companies of fortress artillery; 9 companies, 6 parcs, and 2 detachments of territorial troops.

(D.) The RESERVE TROOPS have been reorganised in 1889, so as to have 106 battalions ready to muster as many regiments in case of mobilisation; while those of Caucasus have so been reorganised (partly by re-forming the local militia) that the Caucasus military district, which formerly could muster but 10 regiments for the field, will have 16 regiments fit for action outside Caucasia.

They comprise now :—*Infantry*:—23 regiments = 46 battalions (12 Caucasian and 2 fortress artillery) and 101 battalions (10 Caucasian and 24 fortress artillery), being a total of 147 battalions, 73,933 combatants and 754 horses. *Cavalry*:—65 cadre squadrons, 8,422 men. *Artillery*:—6 heavy and 31 light batteries, and 2 batteries of Zapas, 148 guns, 7,668 men; 56 fortress artillery battalions and 8 companies of the same (about 23,500 men.) *Engineers*:—9 companies and 4 half companies of fortress sappers; 6 fortress telegraph parks; 2 ballooning parks, and 10 torpedo companies, 4,113 men.

The three armies of the Asiatic dominions are seen in the following table, in which the total peace-footing of the army (for the year 1892) is recapitulated :—

*Peace Footing, 1892. Total Troops and Reserve.*

	Officers	Men Combatants and Non- Combatants	Horses
<b>I. EUROPEAN ARMY:—</b>			
General staff and chief command . . . . .	1,920	—	—
831½ Infantry battalions (52 riflemen) . . . . .	16,081	403,708	5,401
121 Reserve battalions . . . . .	4,865	87,945	754
26 Fortress infantry battalions . . . . .			
566 Cavalry squadrons (210 Cossack hundreds)	4,022	100,605	86,619
65 Squadrons of 2nd reserve 'cadres' . . . . .	351	8,422	8,811
367 Field batteries . . . . .	2,296	68,021	23,962
37 Reserve and 2 second reserve ( <i>zapas</i> ) batteries . . . . .	429	7,668	2,013
200 Fortress artillery companies . . . . .	650	23,500	—
122 Engineers' companies . . . . .	705	16,197	395
11 Fortress sappers . . . . .	115	2,823	33
10 Torpedo companies . . . . .			
20 Telegraph, 6 engineers', and 3 balloon- ing parks . . . . .			
20 Train 'cadre' companies . . . . .	107	1,290	40
20 Train 'cadre' companies . . . . .	75	1,995	400
6 Gendarmes' squadrons . . . . .	18	270	138
116 Detachments of frontier guards, &c. . . . .	860	28,500	11,400
<b>Total European army . . . . .</b>	<b>30,574</b>	<b>750,944</b>	<b>139,966</b>
<b>II. ARMY IN ASIATIC DOMINIONS.</b>			
<i>Military districts, Amur and Irkutsk:—</i>			
20½ Infantry and riflemen battalions (8 line, 10 riflemen, 2½ Cossacks) . . . . .	539	20,722	1,114
3 Reserve infantry battalions of local troops . . . . .	117	1,556	15
12 Cossack squadrons, 6 Transbaikalia, 4 Amur, 2 Usuri . . . . .	72	1,519	1,509
6 Artillery batteries (4 regular, 2 mounted Cossacks) . . . . .	38	1,030	576
1 Sappers' company . . . . .	7	166	4
<b>Total East Siberia . . . . .</b>	<b>773</b>	<b>24,993</b>	<b>3,218</b>
<i>Military District, Omsk:—</i>			
8 Infantry battalions . . . . .	184	3,832	72
3 Reserve infantry battalions . . . . .	156	2,088	20
22 Cossack squadrons (18 Siberian, 4 Semi- retchensk) . . . . .	172	3,653	3,721
6 Artillery batteries (3 light, 1 mountain, 2 mounted) . . . . .	38	1,060	586
1 Sappers' company . . . . .	7	166	4
<b>Total West Siberia . . . . .</b>	<b>557</b>	<b>10,799</b>	<b>4,403</b>

—	Officers	Men Combatants and Non- Combatants	Horses
<i>Military District, Turkestan:—</i>			
38 Infantry and rifleman battalions (12 rifleman)	950	30,926	1,510
24 Cossack squadrons (8 Transcaspian, 12 Orenburg, 4 Ural)	192	4,041	3,829
9 Artillery batteries (2 heavy, 4 light, 2 mountain, 1 mounted)	55	1,621	500
4 Sappers' and 10 railway companies	83	1,880	32
Total Turkestan.	1,280	38,468	5,971
Total, Asiatic Dominions	2,610	74,260	13,592
III. ARMY OF FINLAND:			
8 Battalion of rifleman	222	6,082	57
2 Fortress infantry			
6 Squadrons dragoons	43	817	667
4 Batteries	24	720	196
16 Companies of fortress artillery	52	2,224	—
1 Detachment of sappers	4	96	—
Total	345	9,939	920
Total peace-footing	33,529	835,143	155,478

(D.) The LOCAL AND AUXILIARY TROOPS comprise : 14,110 men of infantry ; 12,319 of cavalry (inclusive of 6 squadrons, 7,969 men of gen-darmes) ; 25,310 men of fortress-troops ; 37,800 frontier-guards (reorganised in 1889) ; and numerous local detachments.

Total local and auxiliary troops in the Empire above 105,000 men and officers.

### War-footing.

According to the new organisation, the war-footing of each unit is as follows:—

—	Officers	Combatants	Non-combatants	Horses exclusive of train
The Infantry Regiment (4 batt.)	79	3,867	156	166
„ Rifleman Battalion	21	960	41	50
„ Dragoon Regiment (3 squad.)	56	920	70	1,025
„ Cossack Cavalry Regiment (6 sotnias)	28	889	82	1,103
„ Heavy Battery (8 guns)	6	237	23	44
„ Light Battery (8 guns)	6	205	23	44
„ Mounted Battery (6 guns)	5	180	28	131
„ Sapper Battalion (1 gun)	23	959	81	108



The estimated war-footing for 1894 appears as follows:—

	Combatants (Officers, Sub- officers, Musicians included)	Horses	Guns
<i>Field troops:—</i>			
General staff and chief command . . . . .	3,500	1,500	—
855 battalions of infantry and rifle- men . . . . .	843,263	41,699	—
34 line battalions . . . . .	33,388	1,972	—
360 squadrons of regular cavalry . . . . .	57,467	64,244	—
353 field artillery batteries (exclusive of the 16 sally batteries and inclu- sive of 6 foot mountain batteries) . . . . .	77,594	72,607	2,824
36½ engineer battalions, 8 torpedo companies, and 6 railway battalions	29,944	7,016	—
All trains and siege-parks . . . . .	146,298	189,545	1,238
185 squadrons of Cossacks (28,192 men and 34,144 horses) with their 14 mounted batteries (2,570 men and 1,834 horses and 84 guns)	31,762	35,978	84
925½ battalions, 545 squadrons, 383 batteries . . . . .	1,263,213	378,583	4,146
<i>Cossacks (all three divisions):—</i>			
348 squadrons of Don . . . . .	53,092	58,013	—
196 „ „ Kuban . . . . .	29,129	33,835	—
48 companies of Kuban infantry, about . . . . .	9,084	1,716	—
66 squadrons of Terek . . . . .	9,864	11,734	—
12 „ „ Astrakan . . . . .	1,794	2,115	—
49 „ „ Ural . . . . .	7,545	8,463	—
104 „ „ Orenburg . . . . .	15,595	17,999	—
93 „ „ of Siberian, Semi- ryetchensk, Transbaikalian, Amur, and Usuri Cossacks . . . . .	14,185	16,182	—
38 horse batteries . . . . .	7,030	9,538	246
30 Transbaikal and 6 Amur companies	6,696	240	—
	(154,014)	(159,835)	(246)
868 squadrons, 84 companies, and 38 horse batteries; or, exclusive of the 185 squadrons and 14 horse batteries mentioned under the above heading . . . . .	122,252	113,857	162
<i>First Reserve:—</i>			
105 regiments of infantry = 508 battalions . . . . .	406,956	19,584	—
109 battalions of infantry . . . . .	106,166	872	—
20 heavy and 172 light batteries . . . . .	20,052	18,092	736
34 sapper companies . . . . .	8,194	782	—
3 railway battalions = 12 companies	3,210	147	—

	Combatants (Officers, Sub- officers, Musicians included)	Horses	Guns
527 battalions, 46 engineer com- panies, and 92 batteries of First Reserve, about . . . . .	544,578	39,519	736
<i>Fortress Troops</i> :—			
135 infantry battalions . . . . .	130,491	567	—
8 Finnish landwehr battalions . . . . .	6,616	—	—
54 artillery battalions . . . . .	71,766	—	—
16 sally battalions . . . . .	2,048	1,168	128
143 battalions, 54 artillery battalions, and 16 batteries . . . . .	210,921	1,735	128
<i>Second Reserve, or 'Zapas'</i> :—			
It consists of 'cadres' for instruction, organised in time of war. If mobilised, it must supply the sub- joined contingents :—			
201 infantry and riflemen battalions	227,733	1,005	—
112 squadrons . . . . .	20,720	23,856	—
1 Finnish squadron . . . . .	184	181	—
48 batteries . . . . .	29,136	3,360	192
4 sapper battalions . . . . .	5,160	32	—
56 cavalry detachments . . . . .	7,560	7,560	—
Total about . . . . .	290,493	28,602	192
<i>Local Troops</i> :—			
Peace-footing—the war-footing being dependent upon many causes not to be foreseen . . . . .	101,039	15,500	—
Total war-footing . . . . .	2,532,496	577,796	5,264

According to other estimates, the relative forces of the European and Asiatic armies are as follows :—

	Officers.	Men, Combatants, and non- Combatants	Horses.
European Army . . . . .	51,353	2,359,720	462,917
East Siberia . . . . .	1,034	44,224	7,807
West Siberia . . . . .	773	32,438	13,425
Turkestan . . . . .	1,286	51,610	10,680
Finnish Army . . . . .	511	24,151	2,586
Total war-footing . . . . .	54,957	2,512,143	497,415

Altogether it is considered as probable that in case of war European Russia could have in the first line of battle 19 army corps reinforced each by one division, thus making an army 1,355,000 men strong. The reserve troops, together with about 400,000 men of the militia, might give a second army in the second battle-line, about 1,100,000 men strong.

A new law submitting the *employés* on railways to military authority in case of mobilisation was promulgated on March 12, 1890.

By a law, May 15, 1891, a new rank of subaltern officers, nominated in case of war out of sub-officers not entitled by education to the grade of officers (*zaurjad-praporschiki*), as well as of clerks of the same kind in the military administration (*zaurjad-tchinovniki*), has been introduced. They are intended to fill the several thousands of places of both officers and officials which would be vacant in case of mobilisation.

During the year 1892 new measures have been taken for the speedier formation of the militia in case of war; standing 'cadres' are to be formed, and a new (3rd) 'mortar regiment' has been formed on the western frontier.

During the year 1893, the staffs of 15 reserve brigades of infantry have been formed; the 51 reserve battalions of the army in Russia and 8 in Caucasus will enter into these brigades.

### III. NAVY.

The Russian Navy is subject to special conditions such as do not affect the navies of other Powers. Owing to the geographical situation of the Empire, and the widely separated seas which wash its coasts, Russia is obliged to maintain four distinct fleets or flotillas, each with its own organization. Of these the most important in regard to Western relations is the Baltic Fleet, which comprises nine first-class battleships, including five new and powerful vessels, which are still in the hands of the constructors, and a considerable number of armoured coast-defence vessels, as well as a large torpedo flotilla. It also includes the *Rurik* (10,900 tons), which is the most powerful armoured cruiser completed, and two sister vessels still in hand. The chief base of the Baltic Fleet is Cronstadt, which is heavily fortified, as are Dünamünde, Wiborg, Sweaborg, and other Baltic ports. The Gulf of Finland is usually blocked by ice from November to April, whereby the operations of the fleet are impeded, and a new ice-free port at Libau, in Courland, is reported as unlikely to prove fully successful. It is further in contemplation to establish a naval port on the Arctic coast of Russian Lapland, which is free from ice throughout the year, and thus to give the fleet free access to the Atlantic Ocean. If this object be accomplished, a special Arctic Fleet must be constituted.

The Black Sea Fleet, which has no access to the Mediterranean except by the exercise of force, is also being largely augmented. To the first battleships of this fleet the powerful armour-clads *Georgi Pobiedonosetz*, *Dvenadzat Apostoloff*, and *Tri Sviatitelia* have been added, and the *Paris* and *Rotisiav* (the latter a sister of the *Sissoi Velikiy*) have been laid down. Here also are the two circular local defence ironclads, *Admiral Popoff* and *Novgorod*, with a considerable torpedo flotilla. In this sea, Sebastopol, now a naval port, and head quarters of the fleet, has been strongly fortified; Nicolaieff, Kinburn, and Ochakoff have received important defensive works; Kertch and Yenikale have been made very strong, and Azov, Poti, and Batoum are to be strengthened. Upon the Pacific coast Russia maintains the Siberian flotilla, consisting of small cruisers and sloops, with some torpedo craft, having its base at the strong naval port of Vladivostok; and there is a flotilla also in the Caspian Sea, which

ensures the communications of the Trans-Caspian railway between Baku and Usun Ada, and would have its purpose in operations against Persia.

The Russian naval estimates show a continuous increase. The total expenditure upon the navy in 1893 was 49,892,893 roubles, being an increase of 2,010,660 roubles upon the outlay of 1892, which again showed a considerable advance upon that of 1891. There was a further increase to 52,492,803 rs. in 1894. A notable circumstance is the very high proportion which the ship-building votes bear to the total expenditure. Thus a sum of 19,145,509 roubles was devoted to ship-building in 1892, of 20,673,917 roubles in 1893; and of 18,689,783 rs. in 1894. Russia has now excellent ship-building yards, but her swiftest torpedo boats have been built at Elbing. The new Admiralty yard and the Baltic works are both State establishments, as are also a smaller yard at Abo, in Finland, and repairing basins at Cronstadt. There is also a large Imperial ship-building yard at Nicolaieff. Private establishments which build for the State are those of the Franco-Russian and Black Sea Companies, and the Neva, Putiloff, and Ijora yards.

The chief of the Russian Navy is the General Admiral, Commander-in-Chief. There were lately 9 admirals, 18 vice-admirals, 25 rear-admirals, 77 captains, first-class, and 195 second-class, 603 lieutenants, and 317 midshipmen—in all, 1,245, being somewhat below the establishment. The engineering branch numbered 2 inspectors, 16 fleet engineers, 57 senior engineers, 150 assistant senior engineers, and 59 junior engineers; total, 284. Up to a recent period the men of the Russian Navy were divided into 12 'equipages,' but the progressive increase of the number to more than 30,000 rendered these units unwieldy, and there are now 18 'equipages' in the Baltic and 6 in the Black Sea, each including the complements of two battleships or large cruisers, and of a number of smaller vessels.

The following is a statement of the strength of the Russian Fleet, including ships building and provided for, but excluding training ships, transports, and non-effective vessels, in the Baltic, Black Sea, and Pacific, constructed upon the plan adopted in this book, and explained in the Introductory Table. The large proportion of modern battleships will be observed:—

	Baltic	Black Sea	Siberia	Totals
Battleships, 1st class . . .	9 . . .	8 . . .	— . . .	} . . . 18
„ 2nd class . . .	— . . .	— . . .	— . . .	
„ 3rd class . . .	1 . . .	— . . .	— . . .	
Port defence vessels . . .	23 . . .	2 . . .	— . . .	25
Cruisers, 1st class (a) . . .	7 . . .	— . . .	— . . .	} . . . 14
„ 1st class (b) . . .	7 . . .	— . . .	— . . .	
„ 2nd class . . .	1 . . .	— . . .	1 . . .	2
„ 3rd class (a) . . .	16 . . .	17 . . .	6 . . .	} . . . 55
„ 3rd class (b) . . .	12 . . .	2 . . .	2 . . .	
Torpedo craft, 1st class . . .	45 . . .	17 . . .	6 . . .	} . . . 75
„ „ 2nd class . . .	2 . . .	5 . . .	— . . .	
„ „ 3rd class . . .	— . . .	— . . .	— . . .	
Totals . . .	123 . . .	51 . . .	15 . . .	189

Russia also possesses more than 100 small vedette torpedo craft less than 80 feet in length in the Baltic and Black Sea.

The Caspian flotilla, which is not included in the above statement, consists of a few small gunboats and steamships, but on the part of Persia has practically nothing opposed to it.

The tables which follow of the Russian armour-clad fleet and first-class cruisers are arranged in chronological order, like similar tables in this book. In the first table the coast-defence vessels (named in italics) follow the battle-ships. The numbers after the names of the last named indicate the classes to which they have been assigned in the foregoing statement of strength. The ships marked by an asterisk (\*) are in the Black Sea; all the others belong to the Baltic Fleet. Abbreviations: *b.*, broadside; *c.b.*, central battery; *t.*, turret; *bar.*, barbette; *cir.*, circular; *a.g.*, armoured gunboat; Q.F., quick-firing. In the column of armament machine guns are not given.

Description	Name.	Launched	Displacement, Tons.	Extreme Armouring Inches	Armament	Torpedo Ejectors	Indicated horse-power	Nominal Speed, knots
<i>t.</i>	Peter Veliky (3)	1872	8,750	14	4 12in.; 13 Q.F.	1	8,260	14.5
<i>bar.</i>	Catherine II.* (1)	1886	10,150	18	6 12in.; 7 6in.; 8 Q.F.	7	11,500	16.0
<i>bar.</i>	Thesme* (1)	1886	10,150	18	Ditto	7	11,500	16.0
<i>bar.</i>	Sinope* (1)	1887	10,150	18	Ditto	7	11,500	16.0
<i>bar.</i>	Alexander II. (1)	1887	8,440	14	2 12in.; 4 9in.; 8 6in.; 8 Q.F.	5	8,000	16.0
<i>t.</i>	Nicolas I. (1)	1889	8,440	14	2 12in.; 4 9in.; 8 6in.; 10 Q.F.	6	8,000	16.0
<i>bar.</i>	Gangut (1)	1890	6,600	16	1 12in.; 4 9in.; 16 Q.F.	5	8,300	16.5
<i>bar.</i>	Dveadzat Apostoloff* (1)	1890	8,100	14	4 12in.; 4 6in.; 8 Q.F.	6	11,500	16.6
<i>bar.</i>	Georgi Pobiedonosetz* (1)	1891	10,280	16	6 12in.; 7 6in.; 8 Q.F.	7	15,000	16.0
<i>t.</i>	Navarin (1)	1891	10,000	16	4 12in.; 8 6in.; 14 Q.F.	6	9,000	16.0
<i>bar.</i>	Tri Sviatitelia* (1)	1893	12,000	16	4 12in.; 8 6in.; 20 Q.F.	7	10,600	16.0
<i>t.</i>	Petropavlovsk (1)	1894	12,000	16	4 12in.; 8 7.5in.; 24 Q.F.	6	10,600	16.0
<i>t.</i>	Poltava (1)	1894	12,000	16	Ditto	6	10,600	16.0
<i>t.</i>	Sevastopol (1)	...	12,000	16	Ditto	6	10,600	16.0
<i>t.</i>	Sissoi Veliky (1)	...	8,800	16	4 12in.; 6 6in.; 18 Q.F.	6	10,600	16.0
<i>t.</i>	Sissoi Veliky No. 2 (1)	...	8,800	16	4 12in.; 6 6in.; 18 Q.F.	6	8,500	16.0
<i>t.</i>	Rotislav* (1)	...	8,800	16	4 12in.; 6 6in.; 18 Q.F.	6	8,500	16.0
<i>bar.</i>	Paris* (1)	...	12,000	...	Heaviest guns, 12in.	6	...	17.5
<i>b.</i>	<i>Pervenetz</i>	1863	3,280	4½	6 8in.; 9 6in.; 7 Q.F.	...	1,070	9.0
<i>b.</i>	<i>Kremi</i>	1864	3,660	4½	8 8in.; 13 6in.; 5 Q.F.	...	1,120	8.5
<i>b.</i>	<i>Netron-Menya</i>	1864	3,500	4½	14 8in.; 4 Q.F.	...	1,630	8.0
<i>t.</i>	<i>Bronenosetz</i>	1864	1,480	11	2 9in.; 4 Q.F.	...	480	6.0
<i>t.</i>	<i>Perun</i>	1864	1,550	11	Ditto	...	340	6.0
<i>t.</i>	<i>Latnik</i>	1864	1,510	11	Ditto	...	490	6.0
<i>t.</i>	<i>Smertch</i>	1864	1,520	6	Ditto	...	700	8.0
<i>t.</i>	<i>Vieschun</i>	1864	1,450	11	Ditto	...	530	6.0
<i>t.</i>	<i>Koldun</i>	1864	1,670	11	Ditto	...	480	6.0
<i>t.</i>	<i>Streletz</i>	1864	1,430	11	Ditto	...	445	6.0
<i>t.</i>	<i>Lava</i>	1864	1,590	11	2 9in.; 2 Q.F.	...	335	7.2
<i>t.</i>	<i>Uragan</i>	1864	1,430	11	Ditto	...	430	6.0
<i>t.</i>	<i>Edinorog</i>	1864	1,410	11	Ditto	...	460	6.0
<i>b.</i>	<i>Tifun</i>	1864	1,590	11	2 9in.	...	450	6.0
<i>t.</i>	<i>Tcharodeyka</i>	1867	2,030	6	2 9in.; 4 Q.F.	...	700	8.7
<i>c. b.</i>	<i>Knyas Pojarsky</i>	1867	5,000	4½	4 8in.; 2 6in.; 10 Q.F.	...	2,840	12.5
<i>t.</i>	<i>Admiral Lazareff</i>	1867	3,560	6	3 11in.; 6 Q.F.	...	2,000	10.1
<i>t.</i>	<i>Admiral Greig</i>	1868	3,590	6	Ditto	...	2,030	10.3
<i>t.</i>	<i>Admiral Spiridoff</i>	1868	3,740	6	2 11in.; 6 Q.F.	...	2,010	10.8
<i>t.</i>	<i>Admiral Tchitchagoff</i>	1868	3,510	6	Ditto	...	2,060	10.8
<i>cir.</i>	<i>Norogorod*</i>	1873	2,700	11	2 11in.; 8 Q.F.	...	2,000	6.5
<i>cir.</i>	<i>Admiral Popoff*</i>	1875	3,590	18	2 12 in.; 2 Q.F.	...	3,070	8.2
<i>a. g.</i>	<i>Gromiastchy</i>	1890	1,490	5	1 9in.; 1 6in.; 8 Q.F.	2	2,000	14.0
<i>a. g.</i>	<i>Gremiastchy</i>	1892	1,490	5	Ditto	2	2,000	14.0
<i>a. g.</i>	<i>Otrajny</i>	1892	1,490	5	1 9in.; 1 6 in.; 10 Q.F.	2	2,000	14.0

The first-class cruisers *a* in the following list are all of 5,000 tons or more, with a sea speed of at least 15 knots. The vessels named in italics are armoured. Certain of these last are inferior in speed, and also in displac-

ment, to the others, but are admitted as first-class cruisers *b* mainly for conveying purposes, in the foregoing statement of strength. The letters *a* and *b* in the first column have reference to these categories. All those named belong to the Baltic fleet.

Class	Name	Launched	Displacement Tons	Armament	Torpedo Ejectors	Indicated horse-power	Nominal Speed, knots
<i>b.</i>	<i>General Admiral</i>	1873	4,600	6 8in. ; 2 6in. ; 10 Q.F.	2	4,470	12.0
<i>b.</i>	<i>Gerzog Edinburgski.</i>	1875	4,600	4 8in. ; 5 6in. ; 18 Q.F.	2	5,220	12.5
<i>b.</i>	<i>Minin</i>	(1869) (1878)	6,170	4 8in. ; 12 6in. ; 16 Q.F.	...	5,290	12.0
<i>a.</i>	<i>Vladimir Monomach</i>	1881	5,750	4 8in. ; 12 6in. ; 18 Q.F.	2	7,000	15.0
<i>b.</i>	<i>Dmitri Donskoi</i>	1883	5,800	2 8in. ; 12 6in. ; 16 Q.F.	4	7,000	15.5
<i>a.</i>	<i>Admiral Nachimoff</i>	1885	7,780	8 8in. ; 10 6in. ; 16 Q.F.	4	9,000	17.5
<i>a.</i>	<i>Admiral Korniloff</i>	1887	5,030	2 8in. ; 14 6in. ; 6 Q.F.	6	8,260	18.5
<i>a.</i>	<i>Pawiat Azova</i>	1888	6,000	2 8in. ; 13 6in. ; 14 Q.F.	7	11,000	18.0
<i>a.</i>	<i>Rurik</i>	1892	10,900	4 8in. ; 16 6in. ; 4 4.7in. ; 16 Q.F.	5	13,200	18.5
<i>a.</i>	<i>Rossia</i>	...	10,000	4 8in. ; 16 6in. ; 4 4.7in. ; 16 Q.F.	5	13,200	18.5
<i>a.</i>	<i>Rurik No. 3</i>	...	10,000	Ditto	5	13,200	18.5
<i>b.</i>	<i>Admiral Oushakoff*</i>	1893	4,020	2 9in. ; 4 6 in. ; 6 Q.F.	4	5,000	16.0
<i>b.</i>	<i>Admiral Seniavin*</i>	1894	4,020	Ditto	4	5,000	16.0
<i>b.</i>	<i>Gen. Adml. Apraxine*</i>	...	4,020	Ditto	4	5,000	16.0

\* Nominally coast-defence armour-clads.

The energies of Russia were for many years devoted to the construction of coast-defence monitors in the Baltic. The old *Knyas Pojarsky*, a central-battery vessel, was joined in 1872 by the mastless turret-ship *Peter the Great*. Fifteen years later the powerful sister ships *Alexander II.* and *Nicolas I.* were added. These bear some resemblance to our own *Hero*. They displace 8,440 tons, are 326 feet long and 67 feet in beam, and have end-to-end compound belts 9 feet high, with an extreme thickness of 14 inches, upon a 12-inch oak backing. The *Alexander II.* carries her two 50-ton guns *en barbette* near the bows, while the same guns in the sister ship are coupled in a closed turret in the same position. The four 19-ton guns are placed at the corners of the battery with 14-inch protection, but the other guns are unprotected. The *Gangut* is a smaller barbette ship (6,600 tons), partially belted, carrying a single 12-inch gun, but with a powerful quick-firing armament. The turret battleship *Navarin* displaces 10,000 tons, and is armed with four heavy guns coupled fore and aft. The extreme thickness of side armouring is 16 inches, and there is 12-inch plating in the barbettes. The sister battleships, *Petropavlovsk*, *Poltava*, and *Sevastopol*, of 12,000 tons, heavily armoured, and carrying four 12-inch guns as well as a powerful secondary and quick-firing armament, will be the most powerful vessels in the Baltic Fleet. The *Sissoi Veliky* and her sisters are of a smaller but very powerful type.

The great want of a suitable fleet in the Black Sea led the Russians, in disregard of the stipulations of the Treaty of Paris, to lay down the three powerful battleships, *Catherine II.*, *Tchesme*, and *Sinope*, which were launched in 1886-87. The following are the dimensions of these remarkable vessels: displacement, 10,150 tons; length between the perpendiculars, 320 feet; beam, 69 feet; draught, 25 feet. The compound armour belt has a maximum thickness of 16 inches, and the triangular redoubt is plated with 10 inches. This redoubt or citadel is a special feature. It presents its base

to the bows, and, inasmuch as two 12-inch 56 ton guns are coupled *en barbette* at each of the angles, the bow fire is exceedingly powerful. Of the seven 6-inch guns, four are also disposed for bow fire, and three directed astern. The later battleship, *Dvenadzat Apostoloff* (Twelve Apostles), which is smaller (8,100 tons), but carries four of the heavy guns coupled in turrets, steamed 16·6 knots at her trials without pressure and without reaching the estimated horse power. The *Georgi Pobiedonosetz* (George the Victorious), launched in 1891 (10,280 tons), is armed with six 56-ton guns, and is of a modified *Sinope* type. The *Tri Sviatitelia* (Three Saints) is of a still more powerful type (357 feet 6 inches long and 72 feet beam, with a 16-inch belt), and the Black Sea Fleet is to be strengthened by two other new ships.

Next to these ships come the armoured cruisers, but it should be noted that in the Russian system of classification many battleships are so described. The *Duke of Edinburgh* and the *General-Admiral* are each 285 feet long and 49 feet broad, built of iron and sheathed with wood. Each has a complete 6-inch belt, and has amidships a protected overhanging barbette battery, mounting the heaviest guns at its corners and the lighter ones between them.

The belted cruiser *Pamiat Azova* or *Remembrance of Azoff*, is 377 feet long. She is an improved *Dmitri Donskoi*, and carries her two 8-inch guns in sponsoned barbettes on either broadside. The *Rurik*, launched 1892, is the largest and most powerful cruiser yet completed. She is 435 feet long, 67 feet beam, and has 25 feet 9 inches draught. The armour at the water-line is 10 inches thick for 80 per cent. of the ship's length. Her armament is very strong, and she will carry 2,000 tons of coal, being enough for 20,000 miles steaming at 10 knots. The *Rossia* and another sister are still in hand. The ramships *Admiral Oushakoff* and *Admiral Seniavin*, built as coast-defence vessels, are, in fact, armoured cruisers having a powerful armament and respectable speed. The *General Admiral Apraxine* is a sister vessel.

The so-called Russian "Volunteer Fleet," which is being added to, constitutes a factor that must not be underrated in Russia's next war with any other Power. The ships of the Volunteer Fleet, about twelve in number, are, in peacetime, merchantmen, which can, in time of war, be easily armed and used for doing the work of cruisers. They provide for the regular traffic between Odessa and Vladivostok, and run, in addition, the tea trade and passenger traffic between China and the Black Sea, besides being employed in peace as transports for troops, particularly for carrying recruits and Reserve men between Odessa and Batoum. The connection of this fleet with the State was formerly much too loose, in consequence of which a new organisation of it took place in 1886, whereby the Volunteer Fleet is under the Admiralty, but has its own management and capital.

## Production and Industry

### I. AGRICULTURAL.

According to official data of 1892, the whole territory of the 50 Governments of European Russia proper, exclusive of the islands of Arkhangelsk, and the pasture grounds of the Kalmucks and Kirghizes (40,925,060 acres), was distributed among different owners, as follows:—

Owners.	Area	Unfit for Culture, Roads, &c.
	Acres	Acres
The State . . . . .	410,801,867	139,397,498
The Imperial Family . . . . .	19,890,835	...
The Peasants . . . . .	373,310,496	35,545,735
Private Owners . . . . .	294,504,582	35,115,557
<b>Total . . . . .</b>	<b>1,098,507,780</b>	<b>210,058,770</b>

In 1892, the total land and that held in private ownership was as follows :—

Nature of Land	Total		In private ownership	
	Acres	Per cent.	Acres	Per cent.
Arable . . . . .	287,969,552	26·2	80,063,271	27·3
Orchards, meadow, grazing, &c. . . . .	174,958,734	15·9	68,628,269	23·2
Forests, &c. . . . .	425,520,714	38·8	110,697,486	37·6
Unfit for culture, roads, &c. . . . .	210,058,770	19·1	35,115,566	11·9
<b>Total . . . . .</b>	<b>1,098,507,780</b>	<b>100·0</b>	<b>294,504,582</b>	<b>100·0</b>

In Poland 55 per cent. of the area is arable land.

The state of the redemption operation among the village communities of liberated serfs is seen from the following accounts up till October 1, 1893. The accounts are shown separately for Russia and the Western provinces, where the conditions of redemption were more liberal for the peasants, according to the laws of 1863.

	Russia	Western Provs.
Number of male peasants who redeemed the land with State help . . . . .	6,641,563	2,516,783
Number of acres redeemed . . . . .	61,575,821	25,517,788
Value of the land, in roubles . . . . .	704,018,004	162,506,668
Average price of the allotment . . . . .	106r. 0c.	64r. 57c.
Average size of allotment, in acres . . . . .	9·4	10·0
Average price of the acre . . . . .	11r. 43c.	6r. 37c.
Average former debt of the landowner to the State mortgage bank, per allotment . . . . .	37r. 32c.	26r. 99c.
Average sum paid to the landlord, per allotment . . . . .	68r. 68c.	37r. 58c.

Moreover, 108,295 leaseholders redeemed their allotments (2,051,020 acres), for the sum of 23,729,970 roubles, in South Russia and the Western Provinces, according to the laws of 1868–88, which recognise private ownership of and.

In accordance with a new law, of December 26, 1893, the peasants' allotments are recognised in European Russia proper (exclusive of Poland and the Baltic provinces), the property of the peasant communities, whether redeemed or not. They cannot be sold by the community otherwise than in virtue of a decision taken by a majority of two-thirds of the community: householders, approved by the Provincial Peasants' Institutions if under 500 roubles of value, and by the Ministers of Interior and Finance if above that value. The allot-



ments redeemed individually by separate householders under previous laws, can be transmitted, or sold for redemption arrears, only to persons belonging to the peasant communities. The communities allotments can be mortgaged no more, even after redemption money having been paid in full. No separate householder can personally redeem his allotment without the approval of the *mir*.

In Central Russia 66 per cent. of the arable land is under crops; in South Russia 78 per cent.; in North and in South-east Russia 10 per cent.; and in Astrakhan only 8 per cent.

*Crops.*—The cereal crops of Russia in Europe (exclusive of Finland) for the last three years are seen from the following, in thousands of quarters:—

—	Wheat	Rye	Barley	Oats	Various	Total	Potatoes
European Russia, 1890 .	25,813	81,617	19,776	65,555	19,603	212,354	40,105
"    "    1891 .	20,496	60,474	17,012	51,971	15,252	165,205	34,973
"    "    1892 .	28,557	71,081	20,427	52,845	19,110	191,970	55,789
"    "    1893 .	45,051	87,168	35,622	78,572	21,137	287,550	—
"    "    1894 <sup>1</sup> .	34,296	99,641	22,637	83,369	10,929	250,872	—
Poland, 1888 . . . . .	1,722	5,804	1,405	4,212	1,001	14,146	20,011
"    1889 . . . . .	1,618	4,545	943	2,628	429	10,163	19,515
"    1890 . . . . .	1,532	5,509	1,487	4,361	1,148	14,033	21,282
"    1891 . . . . .	1,537	4,991	1,347	3,939	588	12,412	14,799
"    1892 . . . . .	2,062	7,569	2,303	5,242	1,182	19,258	27,418

<sup>1</sup> Preliminary estimates.

North Caucasus becomes more and more a granary for Russia, and the crops of 1892 in the three provinces of Kuban, Stavropol, and Terek were:—Wheat, 7,654,800, rye, 1,185,200, barley, 2,333,000, oats, 2,054,300, various, 1,069,300; total, 15,296,600 quarters, potatoes, 714,600 quarters.

In Transcaucasia, 4,047,100 acres were under crops in 1893. Out of them, 2,304,760 acres under wheat, 716,310 under Indian corn, and 622,640 under barley.

The amount of hay gathered in 1892 attained 30,000,000 tons in European Russia, and 335,000 tons in Poland.

In 1893 143,528 acres were under tobacco in Russia, Siberia, and Caucasia, yielding about 1,200,000 cwt., as against 1,287,500 cwt. (120,025 acres) in 1890, 1,624,000 in 1887, and 1,298,240 in 1886. There were in 1892 no less than 350 tobacco factories, which manufactured no less than 1,073,080 cwt. of tobacco, cigars, cigarettes, &c. Under vineyards there were about 16,000,000 acres, but only 361,000 acres were under proper culture. The yield was 4,550,000 gallons, of which 150,000 were produced in Crimea.

The cotton crops in Turkestan covered, in 1888, 214,115 acres, and yielded 325,148 cwt. of raw cotton, one half of which is the American, and the other half the local cotton tree. They increased in 1889, attaining 136,840 acres in Ferganah alone, the crop being 567,000 cwt. of new cotton (nearly 330,000 cwt. American), and have increased since. Khiva and Bokhara supply annually about 1,000,000 pounds (322,000 cwt.) Attempts at raising cotton have also been made in Transcaucasia, the crop of 1891 attaining 2,900 cwt. in Elizabethpol, and 200,000 cwt. in Erivan; 9,833 acres were under cotton trees in 1892.

In 1888 Russia in Europe (without Poland) had 19,633,340 horses, 24,609,260 horned cattle, 44,465,450 sheep (about 9·5 millions of fine breeds), and 9,243,000 swine, showing thus a notable diminution against 1882. Poland had, same year, 1,204,340 horses, 3,013,400 horned cattle, 3,754,665 sheep, and 1,499,100 swine. In Caucasia and Turkestan, in 1892, there were 1,690,740 horses, 6,511,930 cattle, 20,175,800 sheep, 960,000 swine, 441,120 camels, and 211,760 mules and asses.

## II. FORESTS.

Of the total area of European Russia, nearly one-third is under forest. It appears from recent investigation that the following areas are under forest in European Russia, Poland, Finland, and Caucasia (the two latter incomplete):—European Russia, 422,307,000 acres; Poland, 6,706,000; Finland, 50,498,000; Caucasia, 18,666,000: total, 498,177,000 acres. On Jan. 1, 1894, the area of forests under Crown management in Russia attained 611,780,900 acres, out of which 36,058,900 acres were under regular treatment.

The decrease of the area under forest since the beginning of the century is reckoned at about 23 per cent.

An important measure was taken in 1888 for the protection of forests, most of which have been placed under a special committee appointed in each province of European Russia. Some forest lands have been recognised as 'protective' for rivers, &c., and they can in no case be destroyed, felling of timber in these tracts being submitted to severe regulations.

## III. MINING AND METALS.

The soil of Russia is rich in ores of all kinds, and mining industry is steadily increasing. The statistics during the years 1880 and 1886–90 are given in the following table:—

Year	Gold	Platinum	Silver	Lead	Zinc	Copper	Pig Iron	Iron	Steel	Coal	Naphtha	Salt
	Kilogrammes			Tons			Thousands of tons					
1880	43,276	2,947	10,107	1,146	4,256	3,203	448	292	307	3,289	352	779
1886	33,448	4,317	13,336	777	4,195	4,571	532	363	242	4,567	1,972	1,197
1887	34,856	4,242	15,380	974	3,567	4,911	602	354	213	4,462	2,690	1,135
1888	35,151	2,687	15,135	787	6,284	5,957	656	359	201	3,496	3,132	1,096
1889	38,003	2,622	13,857	569	6,343	5,978	734	423	258	4,496	3,209	1,370
1890	39,394	2,837	13,776	825	—	5,318	876	421	365	5,933	3,857	1,361
1891	39,016	4,183	—	—	3,697	4,681	871	319	259	6,126	4,301	—
1892	42,996	4,357	—	—	5,059	4,199	995	—	—	6,800	4,490	1,405

Gold is obtained chiefly in Siberia (60,557 E. lbs. in 1891, and 67,783 lbs. in 1892) and the Ural Mountains (25,414 lbs. in 1891, and 27,244 in 1892), where one-fifth of the whole is obtained from pulverized rocks; silver from the following districts, with the amount obtained 1890: Altai and Nertchinsk, 26,570 lbs.; Semipalatinsk, 2,635 lbs.; Caucasus, 1,116 lbs.; total, 30,321 lbs. Platinum in the Urals. Copper was obtained chiefly in the Urals (2,602 tons in 1892) and the Caucasus (1,670 tons). Cobalt is found in the Elisabethpol government of Caucasia (3,609 lbs. in 1889); also manganese ore (76,790 tons of ore). Mercury was extracted in S. Russia to the amount of 692,280 lbs. in 1891, and 733,824 lbs. in 1892; tin, 12 tons in Finland. Zinc comes entirely from Poland. Of the salt extracted in 1892, 735,000 tons were from South Russia; 257,400 from Astrakhan; 298,500 from Perm; 34,700 from Caucasia; 27,000 from Orenburg; the remainder being from Turkestan, the Transcasian region, Siberia, North Russia, and Poland. In 1892 17,000 workers were employed in the salt works.

The province of Ekaterinoslav grows to be an important centre of iron mining. In 1890 it yielded 204,250 tons of pig iron, 26,070 of iron, and 70,380 tons of steel. The manufacture of agricultural machinery, which was valued

at 2½ million roubles in 1867, rose to nearly 10 million roubles in 1885, and has much increased since.

The coal mines on the Don are yearly extending ; in 1884 they occupied 13,950 men and 135 engines, the produce reaching 1,624,720 tons, but it rose to 3,507,000 tons in 1892. The total extraction of coal in 1892 was :— Coal, 6,093,900 tons ; anthracite, 622,400 tons ; brown coal, &c., 87,300 tons : total, 6,803,600 tons, distributed as follows :—Don, 3,507,000 ; Poland, 2,837,300 ; Ural, 230,000 ; Moscow, 176,800 ; Altai, 19,200 ; Caucasus, 16,700 ; Sakhalin, 12,500 ; Kieff, Kirghiz Steppe and Olonets, 13,700 tons. Strong measures have been taken to increase the local consumption of Russian coal and coke by imposing a duty of 98·5*d.* per ton of coal imported through the Black Sea, 47*d.* through the Western frontier, and 23·5*d.* through the Baltic Sea, and by reducing the tariffs of railway shipping of Russian coal from the Don mines. The import of foreign coal and coke has thus been reduced as follows :—

Imports of	Coal Tons	Coke Tons	Imports of	Coal Tons	Coke Tons
1888	1,550,000	158,000	1891	1,502,800	199,900
1889	1,848,000	194,000	1892	1,410,900	226,500
1890	1,515,000	199,000	1893	1,682,000	285,300

During the last three years the annual consumption of fuel in the Moscow manufacturing region was about 1,000,000 tons of wood, 80,000 tons of English coal, 80,000 tons of Russian coal, and about 80,000 tons of naphtha refuse. The Caspian naphtha industry is also extending very rapidly, and new naphtha wells are now worked in Northern Caucasus (26,700 tons in 1890) ; its various products are also better utilised, as seen from the following figures :—

Year	Raw Naphtha Tons	Kerosine Oil Tons
1888	3,128,000	822,000
1889	3,405,000	986,000
(Baku alone) 1890	3,890,000	1,076,200
1891	4,301,000	—
1892	4,490,000	—
1893	5,135,830	—

The number of persons engaged in the mining and working of minerals was 420,000 in 1888, and the number of water and steam engines in the Empire respectively was 1,099 and 1,855, showing an aggregate of more than 100,000 horse-power.

#### IV. MANUFACTURES.

The number of all kinds of manufactories, mines, and industrial establishments in European Russia (without Poland and Finland) was 62,801 in 1885, employing 994,787 workpeople, and producing a value of 1,121,040,270 roubles. The 20,381 manufactories of Poland employed 139,650 workmen, and produced a value of 185,822,200 roubles. Transcaucasia had in 1891 9,333 manufactories, mostly small, with 40,284 workmen, producing a value

of 40,003,900 roubles, chiefly in silk; while the 6,496 manufactories of Finland yielded in 1890, 6,681,700*l.*

According to another estimate, which takes no account of the mining industries, nor of those which pay excise duties (spirits, beer, sugar, and tobacco), the manufactories of the Empire having a yearly productivity of more than 1,000 roubles each appeared as follows:—

	Numbers	People employed	Yearly Production	Average Production per Workman
			Roubles	Roubles
European Russia . . . . .	16,770	738,146	1,108,779,000	1,503
Poland . . . . .	3,548	115,631	188,331,000	1,629
Caucasia . . . . .	1,336	14,036	32,189,000	2,294
Siberia . . . . .	613	7,455	9,468,000	1,270
Turkestan . . . . .	402	3,312	10,334,000	3,120
Total, 1891 . . . . .	22,669	878,580	1,349,101,000	1,536

The various branches of the above were as follows, according to somewhat different estimates, in the year 1891 (same figures for 1887 and 1890, in STATESMAN'S YEAR BOOK, 1893 and 1894):—

1891	Numbers	Production
		Roubles
Articles of food . . . . .	11,786	392,738,000
Animal produce . . . . .	3,485	55,311,000
Textiles . . . . .	3,267	528,564,000
Stones and glass . . . . .	446	14,025,000
Metals and Jewelry . . . . .	1,484	154,120,000
Wood . . . . .	1,203	31,069,000
Chemicals . . . . .	1,115	34,395,000
Paper, &c. . . . .	369	24,318,000
Total, 1891 . . . . .	23,155	1,234,540,000

The growth of the cotton industry is best seen from the following:—

Years	Spinning	Weaving	Printing and Dyeing	Finishing	Total
	Roubles	Roubles	Roubles	Roubles	Roubles
1880	74,100,000	99,700,000	61,100,000	5,500,000	240,400,000
1885	97,400,000	98,000,000	59,500,000	3,300,000	258,200,000
1889	187,600,000	222,300,000	72,800,000	4,400,000	487,100,000

Of the people employed in 1891 there were 17,793 boys, 8,216 girls, 210,207 women, and 639,548 men. The small manufactories having a yearly production of less than 1,000 roubles numbered in 1891 103,360.

In 1889 the textile industries of Russia and Poland had 3,799,416 spindles and 191,290 looms. All textile industries were represented by 2,979 factories, the yearly production of which attained 522,007,000 roubles (52,200,700*l.*). They were concentrated chiefly in the two governments of Moscow and

Vladimir (yearly production 131,150,000 roubles, and more than one-half of the total cotton industry of Russia), Piotrkov in Poland (38,818,000 roubles), St. Petersburg (23,610,000 roubles), Kostroma and Esthonia (about 14,000,000 roubles each). The cotton industry proper is valued at 260,000,000 roubles per year.

Poland had in 1892-3, 197 manufactories, which employed 120,670 workers.

The growth of the different industries for the last 12 years is thus represented by the Ministry of Finances :—

	1880-81.	1893.
Cast iron . . . . . cwts.	8,810,000	22,830,000
Iron . . . . . "	5,770,000	9,700,000
Steel . . . . . "	6,030,000	9,610,000
Railway rails . . . . . "	3,960,000	4,440,000
Manganese ore . . . . . "	200,000	4,900,000
Coal . . . . . "	64,770,000	148,360,000
Salt . . . . . "	15,600,000	23,000,000
Naphtha . . . . . "	6,900,000	108,700,000
Raw cotton, home grown . . . . . "	293,000	1,225,000
Cotton spindles . . . . . "	—	6,000,000 <sup>1</sup>
Sugar . . . . . cwts.	5,030,000	11,470,000

<sup>1</sup> This high figure is obtained by reckoning upon a 12-hours day work, while many spindles in Russia run from 24 to 18 hours.

The manufacture of metallic goods is steadily developing, and the yearly output of all factories and domestic industries in the working of metals was estimated as follows in 1892 :—

	Yearly Produce
Gold and silver goods . . . . .	7,000,000 roubles.
Brass and alloys . . . . .	16,000,000 "
Zinc, tin, lead . . . . .	8,500,000 "
Blacksmith goods, iron and tin . . . . .	27,500,000 "
Cast iron and cast steel . . . . .	21,000,000 "
Cutlery . . . . .	2,425,000 "
Implements and tools . . . . .	500,000 "
Scythes and sickles . . . . .	275,000 "
Wire and wire goods . . . . .	22,500,000 "
Locksmith goods . . . . .	15,000,000 "
<b>Total (about) . . . . .</b>	<b>120,000,000 "</b>

The production of spirit in 1892-3 was in decrease of the preceding years, 29,450,000 gallons of pure alcohol being obtained in 1,894 distilleries. There were 1,233 beer breweries and 528 meathe breweries. The former produced 87,282,100 gallons, while the production of the latter is quite insignificant.

According to a new law (1894), the Crown undertakes itself the retail selling of spirits in five eastern provinces. It is also intended to introduce the same system in twenty-six western provinces.

There were 226 sugar works in Russia and Poland (one in Siberia). Their operation in 1893-94 is seen from the following :—Acres under beetroot, 859,829 ; sugar obtained, 562,324 tons in 1892-93 ; out of the stocks at hand in 1894, 101,300 tons can be exported to Europe and 21,000 tons to Asia, leaving 400,000 tons for home consumption.

Only  $\frac{1}{200}$  part of all corn exported from Russia during the last 4 years was exported in the shape of flour. There were in Russia and Poland in 1889 5,000 flour mills, each yielding more than 670 cwt. of flour per year. Out of them, 979 steam mills, producing 1,076,000 tons of flour, and 4,020 water mills, 1,209,000 tons. Most of the latter have steam motors in reserve. Out of the above, 497 mills (1,000,000 tons) used rollers for grinding.

### Commerce.

The following table gives the average yearly imports and exports of Russia for 1872-81, and for each of the years 1888 to 1892, in her trade with Europe, Asia, and Finland (bullion not included, nor the external trade of Finland):—

Years	Exports	Imports
	Paper roubles	Paper roubles
1872-76	381,198,800	471,643,000
1876-81	555,793,000	528,971,400
1888	793,900,000	390,700,000
1889	766,300,000	436,987,000
1890	703,968,000	416,084,000
1891	720,937,000	378,549,000
1892	489,409,718	403,879,940

The chief trade of the Empire is carried on through its European frontier, as seen from the following table in thousands of roubles. But the European frontier does not include the Caucasus, so that the rapidly increasing exports of grain, and especially of naphtha, from the ports of the Caucasus appear in the exports from the Asiatic frontier, although both are exported to Europe. On the other side, the arrivals of tea from China to Odessa or St. Petersburg appear in the imports to the European frontier.

Exports	1889	1890	1891	1892	1893
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
Through European frontier	687,085	610,450	627,300	399,639	576,160
„ Asiatic „	61,303	77,872	77,241	68,672	
Trade with Finland . . .	17,614	16,715	16,396	21,099	18,528
Total . . . . .	766,002	705,037	720,937	489,410	—
Imports					
From European frontier . .	373,674	361,402	326,297	346,475	406,120
„ Asiatic „ . . . . .	50,086	41,281	39,456	45,456	
Trade with Finland . . . .	13,256	13,386	12,793	11,949	15,830
Total . . . . .	437,016	416,069	378,546	403,880	—

In Russia the Custom House agents fix the values of imports and exports, either on the basis of declarations of interested parties and documents in support of them or by refer-

ence to exports when the declarations are untrustworthy and erroneous. They are assisted also by price lists. The values of exports are determined at the point of shipment exclusive of cost of transport, insurance, &c. The quantities of goods imported are determined by weighing or other effective means, as are also the quantities of goods exported—when subject to export duty. The declarations of shipping are sufficient in the case of exports duty free. The gross weight is always recorded except in those cases for which the Customs regulations have provided official tares. The Customs officials never require the true country of origin or of destination. They register the port where the bill of lading is dated, for imports—and proceed similarly in the case of exports.

Since the year 1893, the exports to and from Europe, are given by the Ministry of Finance *inclusive* the exports from and the imports to the Black Sea frontier of Caucasus, as well as the trade with Finland. For the sake of comparison the foreign trade in 1892 is also given, including the trade on the Black Sea and Finnish frontiers.

The following tables, giving the value of exports and imports, in thousands of paper roubles, to and from Europe (European frontier, exclusive of Caucasus) for the last eleven years, will better show the character of the foreign trade of Russia :—

## EXPORTS.

—	1882-86	1887-89	1890-92	1892 <sup>1</sup>	1893 <sup>1</sup>
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
Articles of food . . .	323,623	400,493	300,226	199,248	332,390
Raw and half-manufactured articles . . .	190,254	222,274	212,688	232,645	226,169
Animals . . . . .	14,787	12,597	13,938	15,220	12,777
Manufactured goods. . .	8,031	17,843	18,946	24,064	23,352
Total . . . . .	536,695	661,206	545,798	471,177	594,688

## IMPORTS.

—	1882-86	1887-89	1890-92	1892 <sup>1</sup>	1893 <sup>1</sup>
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
Articles of food . . . . .	108,711	52,952	55,735	55,403	72,985
Raw and half-manufactured articles . . . . .	254,646	230,246	219,586	235,702	259,030
Animals . . . . .	435	535	342	807	1,338
Manufactured goods. . . . .	92,564	64,007	69,061	75,356	88,603
Total . . . . .	456,356	347,740	344,724	367,268	421,956

<sup>1</sup> Including trade on Black Sea frontier of Caucasus and with Finland.

To render these figures comparable with one another, the value of the same exports and imports for the same years, but *in gold*, is given in the subjoined table :—

## EXPORTS, VALUED IN GOLD.

—	1882-86	1887-89	1890-92	1892 <sup>1</sup>	1893 <sup>1</sup>
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
Articles of food . . .	202,320	245,030	213,293	125,700	217,000
Raw and half-manufactured articles . . .	118,887	134,300	149,459	146,700	147,700
Animals . . . . .	9,247	7,600	9,728	9,600	8,300
Manufactured goods . . .	5,002	10,830	13,262	15,200	15,300
Total . . . . .	335,456	397,760	385,742	297,200	388,300

## IMPORTS, VALUED IN GOLD.

—	1882-86	1887-89	1890-92	1892 <sup>1</sup>	1893 <sup>1</sup>
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
Articles of food . . . . .	67,885	31,800	38,356	34,900	47,700
Raw and half-manufactured articles . . . . .	159,085	138,400	153,699	148,700	169,100
Animals . . . . .	272	330	237	500	900
Manufactured goods . . . . .	56,940	38,670	48,260	47,500	57,800
Total . . . . .	284,182	209,200	240,522	231,600	275,500

<sup>1</sup> Including trade on Black Sea frontier of Caucasus and trade with Finland.

The exports during the first nine months of 1893 attained 395,910,000 roubles, as against 316,836,000 in 1892, and 538,901,000 in 1891. The imports during the same months were 314,391,000 roubles, as against 272,864,000 in 1892, and 268,811,000 in 1892.

For the last six years grain has formed, on the average, 55 per cent. in value of the aggregate exports to Europe. 58·7 per cent. in 1888, and 51 in 1889.

The official figures of grain exports being now given in units of weight the exports from European Russia, Caucasus, and to Finland in 1893, as well as during the two preceding years are given in the subjoined table :—

—	1891	1892.	1893
	Cwts.	Cwts.	Cwts.
Wheat . . . . .	56,780,700	26,297,180	50,351,000
Rye . . . . .	21,927,500	3,890,600	10,378,000
Barley . . . . .	14,823,900	14,176,000	35,854,000
Oats . . . . .	14,819,900	6,619,500	18,315,000
Maize . . . . .	9,096,000	6,958,380	5,137,000
Peas . . . . .	2,149,200	808,420	1,368,000
Various groats . . . . .	373,100	113,040	370,000
Flour . . . . .	1,725,300	2,168,400	2,382,000
Other grain products . . . . .	3,904,800	2,302,780	5,841,000
Total . . . . .	125,600,400	63,334,300	129,996,400

The export of naphtha for the last five years (from Russia and Caucasus as well) will be seen from the following table :—



Year	Raw Naphtha	Oils for Lighting	Oils for Greasing	Waste	Total
	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
1889	none	11,161,600	1,111,500	1,933,000	14,206,100
1890	134,000	12,713,000	1,472,000	929,000	15,248,000
1891	166,000	14,414,700	1,631,500	986,600	17,198,800
1892	5,480	15,190,000	1,982,400	795,000	17,972,880
1893	28,400	16,034,000	2,042,000	1,030,000	19,134,400

The export of eggs (chiefly to Germany, France, and Austria) is acquiring every year a greater importance, as seen from the following figures of exports for the last five years :—

Year	No. of Eggs	Value	Preserved Eggs in Tins	
			Cwt.	Roubles
1889	609,000,000	9,975,000	28,370	387,000
1890	755,000,000	12,358,000	27,800	361,000
1891	833,100,000	12,662,000	20,640	255,000
1892	739,229,560	12,217,614	12,556	164,770
1893	724,000,000	13,469,000	22,890	309,000

The export of horses attained 33,400 horses and ponies in 1893.

The following table shows the relative importance of the chief exports from European Russia during the last three years :—

EXPORTS FROM EUROPEAN RUSSIA AND NORTHERN CAUCASIA. <sup>1</sup>

—	1891	1892	1893
	Roubles	Roubles	Roubles
Corn, flour, sarrazin, &c.	352,583,000	164,158,508	294,751,000
Fish and caviare . . . . .	3,168,000	4,021,373	4,112,000
Butter and eggs . . . . .	17,526,000	15,571,737	17,289,000
Alcohol and gin . . . . .	5,629,000	1,653,900	2,674,000
Various articles of food . . . . .	34,633,000 <sup>2</sup>	13,842,841	13,566,000
Articles of food . . . . .	413,539,000	199,248,359	332,390,000
Timber and wooden goods . . . . .	43,658,000	49,018,000	40,406,000
Raw metals (platinum mercy.)	2,034,000	2,464,000	1,422,000
Oleaginous grains, chiefly linseed and grass seeds . . . . .	33,689,000	23,071,000	27,816,000
Flax . . . . .	52,573,000	56,114,000	63,827,000
Hemp . . . . .	18,012,000	15,203,000	12,746,000
Tallow . . . . .	914,000	717,000	777,000
Bristle, hair, and feather . . . . .	11,526,000	10,365,000	9,334,000
Wool . . . . .	15,612,000	11,830,000	6,428,000
Furs . . . . .	5,921,000	4,431,000	5,138,000
Naphtha and naphtha oils, &c.	30,165,000	26,812,000	22,381,000
Various . . . . .	77,397,000	33,566,000	35,894,000
Raw and half-manufactured goods . . . . .	245,901,000	232,599,000	226,169,000

Including exports to Finland. <sup>2</sup> Sugar, 23,456,000 roubles (5,772,019 in 1892).

The principal imports into European Russia and the Black Sea frontier of Caucasia are shown in the following table :—

IMPORTS TO EUROPEAN RUSSIA AND NORTHERN CAUCASIA. <sup>1</sup>

—	1891	1892	1893
	Roubles	Roubles	Roubles
Rice . . . . .	457,000 <sup>3</sup>	763,000 <sup>3</sup>	601,000 <sup>3</sup>
Other grain and flour . . . . .	1,166,000	947,000	1,141,000
Fruits and vegetables . . . . .	5,234,000	5,589,000	4,608,000
Fish . . . . .	9,220,000	11,648,000	10,267,000
Tea . . . . .	17,889,000 <sup>2</sup>	14,031,000 <sup>2</sup>	17,691,000 <sup>2</sup>
Coffee . . . . .	5,435,000	6,209,000	6,670,000
Tobacco . . . . .	2,115,000	2,558,000	2,275,000
Wines . . . . .	9,258,000	8,410,000	7,922,000
Raw cotton . . . . .	70,727,000	84,600,000	64,067,000
Cotton yarn and wadding . . . . .	5,261,000	3,954,000	4,416,000
Wool, raw and yarn . . . . .	18,361,000	8,669,000	28,880,000
Silk, raw and yarn . . . . .	8,238,000	11,571,000	12,347,000
Leather . . . . .	5,855,000	5,668,000	6,579,000
India rubber . . . . .	3,948,000	5,613,000	6,911,000
Colours . . . . .	12,971,000	12,964,000	12,592,000
Chemicals . . . . .	11,699,000	13,295,000	12,750,000
Coal and coke . . . . .	12,069,000	12,054,000	14,265,000
Raw metals . . . . .	28,116,000	33,817,000	37,345,000
<i>Manufactured goods :—</i>			2,154,000
Cotton Goods . . . . .	2,634,000	2,307,000	
Other textile goods . . . . .	6,797,000	5,280,000	4,054,000
Metal goods . . . . .	12,862,000	12,316,000	16,608,000
Machinery . . . . .	21,586,000	24,752,000	28,023,000

<sup>1</sup> Including imports from Finland.

<sup>2</sup> Moreover, 15,922,000 roubles' worth through Siberia (15,723,000 in 1892).

<sup>3</sup> Moreover, 2,599,000 roubles' worth from Persia in 1893, and 2,575,000 in 1892.

The imports and exports by the frontier of Asia were as follows in 1891 and 1892 in thousands of roubles :—

—	1891		1892	
	Imports	Exports	Imports	Exports
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
Tea . . . . .	14,379	10	18,783	22
Tissues . . . . .	2,860	5,678	2,897	7,183
Textiles . . . . .	2,054	2,475	2,841	2,059
Skins and furs . . . . .	1,514	1,107	1,512	1,107
Fruits, &c. . . . .	2,944	164	1,066	113
Cereals, &c. . . . .	2,688	24,424	3,018	17,019
Various . . . . .	13,017	43,383	15,339	41,169
Precious metals . . . . .	5,377	5,774	3,015	4,316
Total . . . . .	44,833	83,015	48,471	72,988

The total exports and imports of gold, silver, and bullion, not included in

the above, imported and exported to and from European Russia and the Black Sea frontier of the Caucasus, are as follows, in gold roubles :—

Years	Exports	Imports
1889	17,400,000	9,300,000
1890	20,928,000	23,127,000
1891	194,000	80,821,000
1892	177,000	111,555,000
1893	64,000	28,745,000

The amount of customs duties levied in the Empire, chiefly in gold and partly in paper roubles, appears as follows, the year 1893 having yielded the highest customs revenue on record :—

—	Roubles		—	Roubles	
	Gold	Paper		Gold	Paper
1888	77,565,803	1,691,919	1891	79,265,268	1,619,156
1889	80,239,219	1,644,009	1892	82,420,750	697,023
1890	82,690,494	1,373,089	1893	97,175,007	3,323,070

The following table shows the value of the imports from, and exports to, the countries named, through the European and Asiatic frontier, including the trade with Finland, in 1891 and 1892, in thousands of roubles :—

—	1891		1892	
	Imports from	Exports to	Imports from	Exports to
	1,000 roubles	1,000 roubles	1,000 roubles	1,000 roubles
Germany . . . . .	103,269	192,932	101,653	138,239
United Kingdom . . . . .	83,060	179,905	101,178	118,524
France . . . . .	16,691	48,906	18,491	35,110
Austria-Hungary . . . . .	15,903	34,001	15,200	24,073
Belgium . . . . .	6,678	23,069	5,199	14,940
Netherlands . . . . .	3,099	44,064	3,790	19,450
Turkey . . . . .	6,306	20,616	9,675	15,910
Italy . . . . .	10,596	32,398	9,226	19,635
Sweden and Norway . . . . .	4,903	10,312	7,016	6,551
Denmark . . . . .	1,291	10,111	1,614	4,841
Greece . . . . .	1,084	10,251	1,030	6,812
Roumania . . . . .	1,544	8,899	1,458	4,943
United States . . . . .	39,731	2,019	35,780	2,535
China . . . . .	28,967	4,220	27,886	4,782
Persia . . . . .	10,854	9,957	12,359	9,340
Other countries . . . . .	44,570	89,277	52,325	63,625
Total . . . . .	378,546	720,937	403,613	489,410
(Finland) . . . . .	(12,793)	(16,396)	(11,948)	(21,098)
Transit Trade . . . . .	21,306,000		18,454,000	

The steady increase of customs duties from 1869 to 1893 is seen from the following table, which gives the proportions between the customs

duties levied and the values of the imports through the European frontier. The figures for articles of food appear still higher when the imports from Asia (tea) are taken into account :—

Years	Percentage of Custom Duties levied to the Declared Values of Imports		
	Articles of Food	Goods used for Industry	Manufactured Goods
1869	31	5	9
1879	41	10	15
1889	70	19	28
1890	70	19	28
1891	75	21	32
1892	79	23	29
1893	71	25	30

The imports from Russia into the United Kingdom, and the exports of British home produce to Russia, according to the Board of Trade Returns, are shown in the subjoined table :—

—	1889	1890	1891	1892	1893
Imports from Russia into U. K. . . . .	£ 27,154,490	£ 23,750,868	£ 24,110,251	£ 15,122,677	£ 18,574,565
Exports to Russia from U. K. . . . .	5,332,251	5,751,601	5,407,402	5,357,018	6,372,236

The chief article of import from Russia into the United Kingdom is grain, mainly wheat, oats, and barley, as follows :—

—	1889	1890	1891	1892	1893
Wheat . . . . .	£ 8,000,394	£ 7,481,537	£ 6,433,804	£ 1,470,425	£ 3,095,501
Oats . . . . .	3,865,488	2,660,499	3,367,344	1,601,346	2,304,088
Barley . . . . .	1,799,389	2,154,380	2,029,399	1,167,314	2,854,088

Other articles of import into Great Britain from Russia in the year 1893 were flax, to the value of 1,429,457*l.*; wood and timber, 3,240,529*l.*; flax seed, rape, and linseed, 749,606*l.*; wool, 341,777*l.*; petroleum, 524,903*l.*; Minor articles of import into Great Britain are tallow and stearine, bristles, cordage and twine, oil-seed cake, and tar. The principal British exports to Russia in the year 1893 were iron, wrought and unwrought, of the value of 1,105,989*l.*; lead, 134,716*l.*; cotton stuffs and yarn, of the value of 382,822*l.*; woollens, with worsteds and yarn, of the value of 215,241*l.*; coal, 813,633*l.*; machinery, 1,732,070*l.*; alkali, 122,062*l.*; fish, 195,415*l.*

The quantities of grain and flour imported from Russia into the United Kingdom in five years from both the northern and southern ports of the Empire, were as follows :—47,171,452 cwts. in 1889; 39,420,085 cwts. in 1890; 37,567,234 cwts. in 1891; 18,456,411 cwts. in 1892; 35,454,615 cwts.

The chief Russian fair is that of Nijni Novgorod. In 1891 the goods shipped to the fair were valued at 168,211,000 roubles, as against 181,256,830 roubles in 1890. Of that there remained unsold goods to the value of 11,262,000 roubles (7,039,840 roubles in 1890). The chief items in Russian goods were: Russian cottons, 21,634,000 roubles; woollen goods, 14,814,000 roubles; linen and hemp goods, 4,301,000 roubles; silk and silk goods, 5,471,000 roubles; furs, 3,423,000 roubles; leather and leather ware, 7,419,000 roubles. Metals: 21,563,000 roubles; glass and earthenware, 6,290,000 roubles. Of articles of foreign production, those of Europe were valued at 6,928,000 roubles; those of Asia (mostly tea from China), at 24,181,000 roubles. In 1892 the total business done at the fair amounted to 177,000,000 roubles. The quantity of goods sent was, however, 14 per cent. less than in 1891.

### Shipping and Navigation.

In 1894 the registered mercantile marine of Russia consisted of 242 steamers, of 211,664 tons gross, and 948 sailing vessels, of 280,538 tons net; total, 1,190 vessels, of 492,202 tons. About one-fourth of the vessels were engaged in trading to foreign countries, and the remainder coasting vessels, many of them belonging to Greeks, sailing under the Russian flag. A census made in 1894 has given 48 steamers in the Baltic Sea, 146 in the Black Sea, 144 in the Caspian, and 9 in the White Sea, while the grand total of marine sailing vessels is 2,870.

In 1893 the navigation in the ports of Russia and the Black Sea coast of the Caucasus appeared as follows for vessels above 20 tons.

—	Numbers	Tons	Of these under Russian Flag	
			Numbers	Tons
<i>Vessels entered:—</i>				
White Sea . . . . .	609	222,276	228	20,412
Baltic Sea . . . . .	4,823	2,795,320	646	232,414
Black and Azov Seas <sup>1</sup>	4,680	4,624,094	351	363,836
Total . . . . .	10,112	7,641,690	1,225	616,662
<i>Vessels cleared:—</i>				
White Sea . . . . .	381	201,864	210	19,464
Baltic Sea . . . . .	4,823	2,781,606	672	239,270
Black and Azov Seas <sup>1</sup>	4,667	4,590,904	332	351,572
Total . . . . .	10,081	7,593,838	1,214	610,306

<sup>1</sup> Including Black Sea coast of Caucasasia.

The Caspian ports were entered in 1892 by 7,705 steamers and 5,024 sailing vessels; total, 4,826,000 tons. The ports of the Pacific (Vladivostok and Nikolaevsk) were visited by 149 steamers and 17 sailing vessels; total, 121,030 tons. In the coasting trade the ports of the White, the Baltic, and the Black Sea were entered by 37,414 vessels (14,292,900 tons) in 1892.

The yearly returns (imports and exports) of the five chief ports of Russia for the last six years (in millions of roubles) is seen from the following:—

—	1887	1888	1889	1890	1892
St. Petersburg	131	139	144	153	108
Odessa . . .	—	—	—	176	116
Libau . . .	42	76	76	57	45
Riga . . .	73	75	72	75	59
Reval . . .	89	61	63	74	37
Batum . . .	—	—	—	37	34

## Internal Communications.

### I. RIVERS AND CANALS.

In 1892, 79,475 smaller vessels, and 123,417 rafts were unloaded at the river ports, the value of merchandise thus transported exceeding 180,275,000 roubles, and its total weight, 164,910,000 tons. The steam navigation on Russian rivers has rapidly developed of late. While there were in 1874 only 691 steamers (50,900 horse-power) plying on Russian rivers, their number reached (exclusive of Finland and Caucasus) in 1891 1,824 steamers 103,200 nominal horse-power, capable of receiving a load of 141,700 tons, and valued at 75,576,600 roubles (crews, 25,814 men). Of these 688 are heated with naphtha, 422 with coal, and 562 with wood. There were besides 20,125 vessels of various denominations, capable of carrying about 6,500,000 tons (cost, 38,327,000 roubles; crews, 90,356 men).

The river fleet of European Russia and Poland consists of 1,943 steamers, thus distributed in the different basins: Volga, 1,096; Neva and lakes, 225; Dnieper, 236; Don, 146; Northern Dvina, 82; Western Dvina, 62; Vistula, 28; Dniester, 16; Lakes Pskov and Chudskoye, 13; Nyeman, 13; Narova, 5; Urals, Eastern Slope, 3.

In 1893 102 steamers navigated on the rivers of West Siberia, the traffic attaining an aggregate of 322,000 tons, and 66 steamers plied on the rivers of East Siberia.

The naphtha flotilla of the Caspian Sea numbers 57 steamers and 263 sailing vessels, which have transported above 30,000,000 cwt. of naphtha.

In 1892 Russia had 33,463 English miles of navigable rivers, and 453 miles of canals. The traffic on the rivers of European Russia proper (exclusive of Poland, Finland, and Caucasus) was in tons:—

—	Total	Corn	Fuel Wood	Timber	Naphtha
1889	18,458,000	2,570,000	2,230,000	8,030,000	984,000
1890	16,659,000	2,227,000	3,510,000	7,816,000	714,000
1891	16,710,000	1,996,000	3,705,000	6,470,000	1,153,000
1892	16,480,000	1,482,000	3,282,000	7,011,000	1,378,000

Of the whole river traffic (including rafts) of European Russia, 67 per cent. falls upon the system of the Volga and the Neva—the remainder being: 28 per cent. on the Dnieper-Nyemen and Dvina system, 3 per cent. only on the Don, 1·4 per cent. on the Dniester, and 1·1 on the Narova.

## II. RAILWAYS.

The activity of the Russian railways, exclusive of the Transcaspian railway and those of Finland, is seen from the following table, which shows the length, gross receipts, working expenses, and net receipts, as also the number of passengers and amounts of goods carried for the last six years, according to the last figures published by the Ministry of Ways and Communications.

Years	E. miles	Gross Receipts	Working Expenses	Net Receipts	Passengers	Goods carried
		Paper Roubles	Paper Roubles	Paper Roubles		Persons
1887	16,818	252,986,669	144,264,141	108,722,558	37,184,773	48,632,000
1888	17,333	233,382,754	160,057,685	123,325,068	42,966,255	64,160,000
1889	17,594	282,690,784	168,832,542	113,858,242	45,005,162	67,473,000
1890	18,059	284,530,638	171,774,282	112,756,356	46,505,000	67,381,000
1891	18,441	296,087,000	177,651,000	118,436,000	47,942,765	69,848,000
1892	18,441	301,709,000	194,082,000	107,676,000	49,353,000	72,311,100

In 1880-88 a railway for military purposes was constructed from Uzun-ada on the S.E. shore of the Caspian, by Kizil Arvat, Merv, and Charjui, on the Amu-daria, to Samarcand, *viâ* Bokhara, the whole distance of desert crossed by the line being 890 miles. The cost of the railway was 46,120,000 roubles, and its rolling stock is represented by 110 locomotives and 1,080 carriages.

The latest official returns show that at the beginning of 1895 Russia had the following length of railways, in English miles:—Opened in Russia, Poland, and Caucasia, 19,399; in Finland, 1,397; in Transcaspian region and Turkestan, 890; total, 22,986.

During the year 1894 some of the chief railways have been bought by the State—namely, the St. Petersburg to Warsaw and to Moscow lines, the Moscow-Nijni Novgorod, the Sebastopol, and several other lines, representing a total of 2,860 E. miles.

The number of passengers on Russian railways is small, being from one-third to one-tenth of that on the railways of Western Europe, and a reduction of fares was considered desirable. Accordingly, in 1894, a zone-tariff for passengers was introduced, whereby the cost of travelling was so much reduced that the fare for a journey of 3,000 versts (1,989 miles) is now 16 roubles 80 copecks, instead of 43 roubles 13 copecks as formerly.

The rolling stock on January 1, 1893, was: 7,173 steam engines, 7,889 passengers' carriages, 149,667 goods carriages.

The capital spent for the construction of all the Russian railways (exclusive of Finland and Transcaspian) reached on January 1, 1893, 1,622,039,000 metallic roubles and 588,585,000 paper roubles, or about 2,024,000,000 metallic roubles (316,887,500*l.*). On January 1, 1893, the share of the State in the private railways, constructed with the aid of the State (11,280 miles), was as follows:—

	Metallie roubles	Paper roubles
Shares guaranteed by the State . . . . .	215,817,000	91,812,000
Obligations . . . . .	291,200,000	42,387,000
Consolidated obligations taken by the State . . . . .	982,084,000	71,481,000
Loans to railway companies . . . . .	50,418,000	268,304,000
Total . . . . .	1,539,519,000	473,984,000

= 1,856,000,000 metallic roubles.

which sum represents 92 per cent. of the total cost of these railways. It appears considerably lower than in previous years, on account of several lines

of railways having been bought by the State. The yearly guarantee upon this capital was 87,154,480 paper roubles.

The debts of the railways to the State (for guarantee, obligations, and loans) attained on January 1, 1893, 944,028,461 paper roubles.

For several years the State has been buying the railways from the private companies, and thus the guaranteed sums which the State has to pay to the railway companies is steadily decreasing. In 1891 the State guarantee to the railways was 62,095,000 metallic and 16,729,000 paper roubles; but owing to the recent purchases the sum paid was only 6,497,578 roubles to private railways, and 8,736,223 roubles to State railways in 1893.

The charters granted to railway companies are for the most part terminable after between 75 and 85 years; but some small companies have charters only for 37 years.

The chief line which was begun in 1892 was the Siberian railway, which is now in construction from Vladivostok up the Usuri river, and in its western part, between Omsk and Tchelyabinsk—this last place being already connected by rail with Samara, *via* the iron works of Zlatoust and Mias and Ufa. The new trunk will have a length of 4,950 miles, and cost 22,335,000 roubles. The termination of the whole line across Siberia to the Pacific is expected by the year 1905, the total cost being estimated at 150,000,000 roubles, of which 30,000,000 roubles are inserted in the estimates for 1893. During the year 1894, the line between Tchelyabinsk and the left bank of the Irtysh opposite Omsk has been completed (491 miles), excepting three bridges, as also the line from Vladivostok to the Cossack village Grafskaya, on the Usuri river (255 miles).

The State railways in 1893 gave a net revenue of 45,723,302 roubles, as against 32,107,026 roubles in 1891. But at the same time the payments of interest upon the capital borrowed for and purchase of the same lines attained 48,986,689, thus showing a deficit of 3,263,387 roubles.

### III. POSTS AND TELEGRAPHS.

The following are the postal statistics for 1892 :—Number of offices, 6,557.

Sent out.	Interior.	International.
Letters and Postcards .	217,980,000	29,949
Letters with Money .	13,462,000	616,000
Value, Roubles . . .	4,162,245,000	199,047,740
Periodicals & Book Post	152,690,000	17,143,000

In 1892, the total number of letters, simple and registered, postcards, newspapers, and book-post packets attained 439,913,000, and the value of money transferred was 3,964,137,137 roubles.

The length of State telegraph lines in Russia on January 1, 1893, was 78,367 English miles, and the length of wire 189,825 English miles. Of the total system, about nineteen-twentieths were the property of the State. The total number of telegrams carried in 1892 was 68,027,398. The length of the telephone lines attained 1,376 miles, and the number of telephone mes-



sages was 109,950 in 1891. The actual receipts and expenditure of the posts and telegraphs combined have been as follows for years :—

Years	Income	Expenditure
	Roubles	Roubles
1887	26,935,729	24,615,911
1888	28,866,884	24,412,649
1889	29,554,650	24,328,493
1890	30,925,903	25,219,619
1891	— <sup>1</sup>	25,392,709
1892	34,017,622	25,769,010

<sup>1</sup> Posts only, 20 626,343.

### Money and Credit.

The amount of money coined at the mint in 1891 was 6,446,668 roubles, as against 30,371,856 roubles in 1890. It included gold, 2,735,140 roubles; silver, 3,486,508 roubles; copper, 225,000 roubles. The amount of metallic money in circulation is not known. As to paper money, it amounted, on January 1, 1892, to 1,121,295,384, roubles, covered by 286,505,032 roubles in gold and silver, leaving thus uncovered 568,527,206 paper roubles.

1. *The Bank of Russia* acts in a double capacity—of State Bank and of a commercial bank. Its accounts, inclusive of those of its 94 branches, on December 16, 1894, were :—

#### A. *Emission of paper currency* :—

Liabilities—	Roubles
Paper, roubles in circulation . . . . .	780,018,488
Do., temporary emissions . . . . .	75,000,000
Assets—	
Metallic fund . . . . .	211,505,032
Do., for temporary emissions . . . . .	75,000,000
Debt of the Treasury for paper money. . . . .	568,513,456

#### B. *Commercial operations* :—

Liabilities—	Total	Roubles
Foundation capital . . . . .		25,666,475
Reserve „ . . . . .		3,000,000
Paper money, temporary emission . . . . .		266,263,146
Capital for building new house . . . . .		787,914
Current accounts, private and State's . . . . .		419,806,780
Unredeemable deposits . . . . .		94,535,060
Interest bearing deposits . . . . .		35,324,876
Interest due and various transferable sums . . . . .		24,309,282
Transfers . . . . .		53,857,734
Interest for the current year's operations . . . . .		16,242,352
Profits of 1893 . . . . .		8,877,227
Miscellaneous . . . . .		1,120,072
	Total	949,790,918

## Assets—

	Roubles
Cash : paper money . . . . .	67,973,190
„ gold and silver . . . . .	151,336,755
Small coin . . . . .	4,530,405
Difference on gold for guarantee of paper money . . . . .	25,860,000
Sums at Bankers' abroad . . . . .	19,273,191
Discounted bills . . . . .	190,536,490
Paid on current accounts guaranteed by securities . . . . .	40,680,778
Loans under securities . . . . .	97,436,349
Bonds, &c., belonging to the Bank . . . . .	217,748,102
Accounts of the Branches of the Bank . . . . .	77,606,608
Miscellaneous . . . . .	56,809,051
	Total 949,790,919
Deposited in trust . . . . .	1,486,195,457

2. *The Savings Banks.*—On October 1, 1894, the number of savings banks (State and postal) was 3,180, the depositors numbered 1,597,412, and the deposits amounted to 329,432,360 roubles.

3. *State Banks for mortgage loans to the nobility,* on January 1, 1894, showed loans granted amounting to 402,517,900 roubles, the remaining debt being 338,017,008 roubles.

4. *Land Bank for the purchase of land by the peasants.*—Up to January 1, 1893, the bank had made 9,896 loans to village communities, associations, and separate individuals, representing an aggregate of 268,499 householders. They bought 4,704,107 acres, valued at 82,729,146 roubles, of which 65,171,629 roubles were lent by the bank, and 17,557,517 roubles paid by the buyers. During the year 1893, 1,487 new loans for the sum of 5,175,814 roubles were granted.

On January 1, 1893, there were in European Russia, Poland, and Caucasus, 36 mortgage banks, including both those for the nobility and for the peasantry. The extent of their operations is shown in the following statement:—

Land estates	Properties in towns
Number of Mortgages . . . . . 102,313	Number of Mortgages . . . . . 44,059
Area in acres . . . . . 125,057,220	Value in roubles . . . . . 1,209,511,204
Loans, roubles . . . . . 1,214,149,281	Loans, roubles . . . . . 752,578,750
Unpaid, roubles . . . . . 1,131,098,046	Unpaid, roubles . . . . . 564,773,883

In 1893 there were 40 banking companies, 101 societies of mutual credit, and 242 municipal banks. Their aggregate assets and liabilities balanced at 1,086,476,000 roubles.

## Money, Weights, and Measures.

### MONEY.

The legal unit of money is the silver *Rouble* of 100 *Kopecks*. It is of the value of 3s. 2·054*d.*, but in official calculations 6·40 roubles are taken as equal to the pound sterling.

Gold coins are the *imperial* and half *imperial* of 10 and 5 roubles. The

half-imperial weighs 6·544041 grammes ·916 fine, and contains, therefore, 5·998704 grammes of fine gold. The new imperial weighs 12·902 grammes ·900 fine, and consequently contains 11·6118 grammes of fine gold.

The silver rouble weighs 20·7315 grammes ·86806 fine, or (in the new coinage) 19·9957 grammes ·900 fine, and consequently contains 17·994 grammes of fine silver. Besides the silver rouble, inconvertible credit notes are legal tender. In circulation there is little else than paper money (100, 25, 10, 5, 3, and 1 rouble notes), the average value being about 10 roubles to the pound sterling. In 1890 the value of a paper rouble was 27·09*d.* For budget purposes the official value in 1891 was 1·60 paper to 1 silver rouble, or 22·43*d.*

## WEIGHTS AND MEASURES.

1 <i>Verst</i> (500 <i>sajènes</i> )	. . .	= 3,500 ft., or two-thirds of a statute-mile (0·6629).
1 <i>Sajène</i> (3 <i>arshins</i> )	. . .	= 7 feet English.
1 <i>Arshin</i> (16 <i>vershok</i> )	. . .	= 28 inches.
1 <i>Square verst</i>	. . .	= 0·43941 square mile.
1 <i>Dessiatine</i>	. . .	= 2·69972 English acres.
1 <i>Pound</i> (96 <i>zlotniks</i> = 32 <i>lot</i> )	. . .	= $\frac{9}{16}$ of a pound English (0·90283 lb.).
1 <i>Pood</i> (40 <i>pounds</i> )	. . .	{ = 36 lbs. English. = 0·32244 cwt.
63 <i>Poods</i>	. . .	= 1 ton.
1 <i>Ship Last</i>	. . .	= about 2 tons (1·8900).
1 <i>Vedro</i> (8 <i>shloffs</i> )	. . .	= 2 $\frac{3}{4}$ imperial gallons (2·707).
1 <i>Tchetvert</i> (8 <i>tchetveriks</i> )	. . .	= 5·77 imperial bushels, or $\frac{7}{16}$ imperial quarter (0·72186).

## Diplomatic and Consular Representatives.

## 1. OF RUSSIA IN GREAT BRITAIN.

*Ambassador.*—His Excellency Privy Councillor Georges de Staal, accredited July 1, 1884.

*Councillor of Embassy.*—M. Bouteneff. *First Secretary.*—M. Kroupensky.

*Military Attaché.*—Colonel Yermoloff.

*Naval Attaché.*—Captain Prince Oukhtomsky.

*Consul-General.*—A. de Volborth.

Russia has also consular representatives at:—

Aberdeen, V.C.	Glasgow, V.C.	Cape Town, C.
Belfast, V.C.	Hull, V.C.	Gibraltar, C.
Bristol, V.C.	Leith, V.C.	Hong Kong, C.
Cardiff, V.C.	Liverpool, C.	Malta, C.
Cork, V.C.	Newcastle, V.C.	Melbourne, C.
Dublin, V.C.	Plymouth, V.C.	Singapore, V.C.
Dundee, V.C.	Southampton, V.C.	Sydney, C.

## 2. OF GREAT BRITAIN IN RUSSIA.

*Ambassador.*—Rt. Hon. Sir F. C. Lascelles, G.C.M.G., appointed to St. Petersburg, March 10, 1894.

*Secretary of Embassy.*—William E. Goschen.

*Military Attaché.*—Major W. H. Waters, R.A.

*Commercial Secretary.*—Edward FitzGerald Law

*Consul-General and Translator.*—J. Michell.

There are also British Consular representatives at :—

Abo, V.C.	Moscow, V.C.	Poti, V.C.
Archangel, V.C.	Revel, V.C.	Sebastopol, V.C.
Björneborg, V.C.	Odessa, C.G.	Riga, C.
Cronstadt, V.C.	Batûm, C.	Taganrog, C.
Helsingfors, V.C.	Kertch, V.C.	Warsaw, C. G.

## FINLAND.

The Government of Finland and her relations to the Empire have been referred to on page 857 ; its area and population given on page 860 ; and its army on page 879. Of the total area 11·15 per cent. is under lakes. According to a law of August 14, 1890, the circulation of Russian paper roubles and silver money has been rendered obligatory. The penal code, elaborated by the Senate, which had to be promulgated on January 1, 1891, has been stopped by the Russian Government till further notice. In 1891 the postal administration of Finland was subjected to the Russian Ministry of Interior.

### Population.

The gradual increase of the population is seen from the following :—

Years	In Towns	In Country	Total
1830	76,489	1,295,588	1,372,077
1870	131,603	1,637,166	1,768,769
1880	173,401	1,887,381	2,060,782
1888	218,280	2,087,636	2,305,916
1889	226,689	2,111,715	2,338,404
1890 <sup>1</sup>	235,227	2,144,913	2,380,140
1891 <sup>1</sup>	244,798	2,167,337	2,412,135

<sup>1</sup> December 31, 1890 and 1891.

Of the total population there were at end of 1891 :—Lutherans, 2,365,734 ; Greek Orthodox and raskolniks, 45,939 ; Roman Catholics, 462.

The chief towns, with population, of Finland are :—Helsingfors (with Sveaborg), 61,530 ; Åbo, 30,096 ; Tammerfors, 20,132 ; Wiborg, 20,763 ; Uleaborg, 12,665 ; Björneborg, 10,297 ; Nikolaistad (Wasa), 10,297 ; Kuopio, 10,010.

The movement of the population in five years was as follows :—

Years	Marriages	Births	Deaths	Excess of Births
1888	16,748	80,172	47,417	32,755
1889	16,099	77,881	45,679	32,102
1890	16,885	77,860	46,479	31,405
1891	16,572	82,128	50,715	31,413
1892	14,825	76,433	57,486	18,947

Immigration in 1892, 51,132. Emigration, 50,267.

In 1888 there were about 1,966,000 Finns, 332,000 Swedes, 4,650 Russians, 1,800 Germans, 1,000 Laps.

### Instruction.

In 1893 Finland had 1 university, with 1,750 students (56 ladies); 1 polytechnic, 131 students; 31 lycenms and progymnasiums (22 State), 5,212 pupils; 20 real schools, 683 pupils; 61 girls' schools, 4,712 pupils; 880 higher primary schools, with 58,033 pupils; 4 normal schools, with 436 pupils. There are besides 7 navigation schools, with 146 pupils; 6 commercial schools, with 260 male and 212 female pupils; 39 evening and Sunday professional schools, with 1,016 pupils; 2 agricultural institutes, 12 agricultural and 17 dairy schools, with 375 male and 175 female pupils; 5 trade schools, with 333 pupils. Out of 470,382 children of school age (from 7 to 16 years old), only 21,523 received no education.

There were, in 1893, 66 Swedish and 79 Finnish newspapers and reviews published.

### Pauperism and Crime.

The number of paupers in 1891 supported by the village communities was 83,892 (3·4 per cent. of the population); and the total cost was 2,857,275 marks.

The prison population, at the end of 1891, was 1,581 men and 531 women, while the number of sentences pronounced for crimes in 1891 was 1,795, and for minor offences 19,423.

### Finance.

The estimated revenue for 1894 was 44,777,645 marks (1,512,835 marks being left from previous budgets), and expenditure the same (1,222,745 marks being left for the next year). Of the revenue, 5,792,020 marks came from direct taxes; 21,177,000 marks indirect taxes. The chief items of expenditure are military affairs, 7,011,359 marks; civil administration, 8,713,011 marks; worship and education, 6,693,015; public debt, 4,222,000.

The public debt on January 1, 1894, amounted to 74,246,614 marks, as against 85,130,944 marks on January 1, 1890; of which 2,632,000 marks internal.

### Industry.

The land was divided in 1891 among 114,769 owners (345 nobles, 2,218 Burger, 111,557 peasants, and 297 foreigners in 1888), and the landed property was distributed as follows:—Less than 12½ acres, 33,669 persons (as against 42,592 in 1885); from 12½ to 62½ acres, 55,398 persons, from 62½ to 250 acres, 32,044 persons; more than 250 acres, 3,658 persons. Small farmers, 67,490.

The crop of 1891 was in hectolitres:—Wheat, 44,345; rye, 4,376,593; barley, 1,787,573; oats, 4,281,894; sarrazin, 10,523; peas, 100,771; potatoes, 5,859,551; flax, 1,597 tons; hemp, 916 tons.

Of domestic animals Finland had:—Horses, 262,874; horned cattle, 926,939; sheep, 1,025,543; swine, 189,417; reindeer, 95,222; goats, 14,754; poultry, 311,755.

The crown forests cover 14,152,356 hectares. Their maintenance cost 592,938 francs, and the income derived from them was 1,125,211 francs. In 1891 there were 158 saw mills with water motors, and 197 steam mills, as against 117 in 1888. They give occupation to 10,219 workers, and their aggregate production was 1,492,211 cubic metres of timber, as against 3,003,354 cubic metres in 1889.

The annual produce of pig-iron and iron, in metric tons, for seven years, was :—

Years	Ore	Pig-iron	Iron
1885	29,536	24,379	26,329
1886	27,716	18,052	17,056
1887	30,531	20,711	15,436
1888	34,859	19,685	11,707
1889	48,693	15,060	12,227
1890	59,435	23,749	16,948
1891	58,692	23,072	19,780

Finland had in 1891, 6,770 large and small manufactures, employing an aggregate of 61,302 workers, and yielding an aggregate product of 175,629,748 marks (7,037,188*l.*). The chief were :—

—	No. of Establishments	No. of Workers	Production
			Marks
Iron and mechanical works	1,005	10,910	26,759,717
Textiles . . . . .	52	6,667	22,189,915
Wood and bone industries .	678	12,590	37,478,012
Distilleries and breweries .	133	2,138	9,885,982
Paper . . . . .	120	3,810	12,727,312
Leather . . . . .	699	2,561	11,021,706
Chemicals . . . . .	219	1,923	4,142,477

The total amount of steam engines attained 734 ; horse-power, 14,827.

### Commerce.

The exterior trade of Finland appears as follows, in thousands of marks (frances) :—

—	1891		1892		1893	
	Imports from	Exports to	Imports from	Exports to	Imports from	Exports to
Russia . . . . .	52,461	36,143	60,602	32,685	50,100	40,100
Sweden and Norway	10,603	6,162	9,980	4,938	8,700	5,400
Denmark . . . . .	3,668	15,031	3,985	11,546	5,600	14,300
Germany . . . . .	46,836	7,313	42,421	8,054	36,100	7,800
Great Britain . . . . .	21,514	19,019	17,184	20,950	14,300	25,400
Spain . . . . .	1,577	4,723	1,796	5,476	1,400	4,800
France . . . . .	1,426	11,272	2,115	3,957	2,100	9,300
Various . . . . .	8,432	4,535	3,568	5,877	7,900	7,700
Total . . . . .	146,527	104,198	145,651	93,683	126,200	114,800

The chief items of export are : timber (47,700,000 marks in 1893, as against 28,699,000 in 1887), butter (18,300,000), paper, paper mass, and

cardboard (11,600,000), iron and iron goods (2,800,000), cottons (2,700,000), leather, hides, tar, and pitch.

The chief imports were:—Corn and flour (38,000,000 marks) coffee and sugar (18,400,000), iron and hardware (5,400,000), cotton and other tissues (5,800,000), raw cotton (3,600,000), machinery (3,700,000), chemicals, leather ware, tobacco, colours, and oils.

### Shipping and Navigation.

The number of vessels which entered and cleared the ports of Finland in 1893 was as follows:—

1893	Entered		Cleared	
	No.	Tons	No.	Tons
Finnish . . . .	5,295	653,135	5,374	662,732
Russian . . . .	406	61,299	399	58,862
Foreign . . . .	1,668	728,992	1,668	729,604
Total . . . .	7,369	1,443,426	7,441	1,451,198

The Finnish commercial navy numbered on January 1, 1893, 1,776 sailing vessels of 231,806 tons, and 417 steamers, 9,492 horse-power, 26,048 tons; total, 2,193 vessels of 257,854 tons.

### Internal Communications.

For internal communications Finland has a remarkable system of lakes connected with each other and with the Gulf of Finland by canals. The number of vessels passing through the canals of Finland every year is from 15,000 to 19,270 (19,270 in 1892), and the net revenue from the canals varies from 230,000 to 600,000 marks every year (249,119 in 1892).

At the end of 1894 there were 1,302 miles of railways, all but 20 miles belonging to the State. The traffic in 1892 was 2,537,389 passengers and 956,947 tons of goods. The total cost of the State railways to the end of 1892 was 148,684,200 marks. The total revenue of the same in 1892 was 12,321,554 marks, and the total expenditure 8,631,430 marks.

Finland had 523 post-offices in 1892, and revenue and expenses were respectively 1,808,900 and 1,752,481 marks; united letters and post-cards, 9,144,812; parcels, &c. 1,438,667; journals, 8,531,067.

The 143 savings-bank had on December 31, 1891, 79,011 depositors, with aggregate deposits of 40,364,294 marks.

### Money, Weights, &c.

The *markka* of 100 *penni* is of the value of a franc, 9 $\frac{1}{2}$ d. The standard is gold, and the markka, though not coined in gold, is the unit.

Gold coins are 20 and 10-markka pieces. They contain 2903225 grammes of fine gold to the markka.

Silver coins are 2, 1,  $\frac{1}{2}$ , and  $\frac{1}{4}$ -markka pieces.

Copper coins are 10, 5, and 1-penni pieces.

The paper currency is exchangeable at par against gold or silver.

The unit of linear measure is the foot, which is = 0.2969 metre, or very

nearly equal to the English foot. 1 *verst* (3,600 Finn. feet)=nearly  $\frac{2}{3}$  of a statute mile; 1 *tunnland* (56,000 square Finn. feet)=nearly  $1\frac{1}{4}$  acre (0.49364 hectare); 1 *tunna* (63 *kannor*)=nearly  $4\frac{1}{2}$  bushels (1.6488 hectolitre); 1 *skålpund*= $\frac{94}{100}$  of Eng. lb. (425.01 grammes); 1 *centner* (100 *skålpund*=5 *lispund*)= $\frac{4}{100}$  of Eng. ton (45.501 kilogrammes). Metric measures are now in general use.

## RUSSIAN DEPENDENCIES IN ASIA.

The following two States in Central Asia are under the suzerainty of Russia:—

### BOKHARA.

A Russian vassal State in Central Asia, lying between N. latitude  $41^{\circ}$  and  $37^{\circ}$ , and between E. longitude  $62^{\circ}$  and  $72^{\circ}$ , bounded on the north by the Russian province of Turkestan, on the east by the Pamir, on the south by Afghanistan, and on the west by the Kara Kum desert.

The reigning sovereign is the Ameer Sayid Abdul Ahad, fourth son of the late Ameer, by a slave girl; born about 1860, educated in Russia, succeeded his father in 1885.

The modern State of Bokhara was founded by the Usbegs in the fifteenth century, after the power of the Golden Horde had been crushed by Tamerlane. The dynasty of Manguts, to which the present ruler belongs, dates from the end of the last century. Mir Muzaffar-ed-din in 1866 proclaimed a holy war against the Russians, who thereupon invaded his dominions, and forced him to sign a treaty ceding the territory now forming the Russian district of Syr Daria, to consent to the demand for a war indemnity, and to permit Russian trade. In 1873 a further treaty was signed, in virtue of which no foreigner was to be admitted to Bokhara without a Russian passport, and the State became practically a Russian dependency.

*Ameers of Bokhara.*—Sayid Ameer Hyder, 1799–1826; Mir Hussein, 1826; Mir Omir, 1826–27; Mir Nasrulla, 1827–60; Muzaffar-ed-din, 1860–85.

Area about 92,000 square miles, population about 2,500,000. Chief towns—Bokhara, 100,000; Karshi, 25,000; Khuzar, Shahr-i-Sabz, Hissar, 10,000; Charjui, Karakul, Kermine.

The religion is Mahomedan.

The Ameer has 20,000 troops, of which 4,000 are quartered in the city. A proportion of the troops are armed with Russian rifles and have been taught the Russian drill.

Bokhara produces corn, fruit, silk, tobacco, and hemp; and breeds goats, sheep, horses, and camels. The yearly produce of cotton is said to be about 32,000 tons, of silk 967 tons. Gold, salt, alum, and sulphur are the chief minerals found in the country.

The following figures show the trade of Bokhara in 1887:—

*Imports.*—From Russia, 10,600,000 roubles; from Persia, 5,475,000 roubles; from Afghanistan and India, 600,000 roubles; total imports, 16,675,000 roubles.

*Exports.*—To Russia, 12,500,000 roubles; to Persia 2,120,000; to Afghanistan and India, 420,000 roubles; total exports, 15,040,000 roubles.



In 1890 the exports, Russian and native, from Bokhara to Afghanistan, are said to have been 3,944,568 roubles; the imports (largely Anglo-Indian) from Bokhara to Afghanistan 4,884,270 roubles.

The yearly imports of green tea, mostly from India, are said to amount to 1,125 tons. The imports from India also include indigo, Dacca muslins, drugs, shawls, and kincobs. Bokhara exports raw silk to India, the quantity exported in one year being estimated at 34 tons. The exports of cotton in 1888 were 122,000 bales. By the treaty of 1873 all merchandise belonging to Russian traders, whether imported or exported, pays a duty of  $2\frac{1}{2}$  per cent. *ad valorem*. No other tax or import duty can be levied on Russian goods, which are also exempt from all transit duty. The Ameer has forbidden the import of spirituous liquors except for the use of the Russian Embassy.

The Russian Trans-Caspian Railway now runs through Bokhara from Charjui, on the Oxus, to a station within a few miles of the capital, and thence to Samarkand; the distance from Charjui to the Russian frontier station of Katti Kurghan being about 186 miles.

There is a telegraph line from Samarkand to Bokhara, the capital.

Russian paper roubles are current everywhere. The Bokhara silver tenga is valued at *5d.*

Russian Political Resident, M. Lessar.

#### BOOKS OF REFERENCE CONCERNING BOKHARA.

*Burnes* (Sir Alexander), *Travels into Bokhara*. 1830.

*Vambéry*, *History of Bokhara*. London, 1873.

*Curzon* (Hon. G.), *Russia in Central Asia*. 1889.

*Le Messurier* (Col. A.), *From London to Bokhara*, 1889.

#### KHIVA.

A Russian vassal State in Central Asia, lying between N. latitude  $43^{\circ} 40'$  and  $41^{\circ}$ , and E. longitude  $58^{\circ}$  and  $61^{\circ} 50'$ . Extreme length 200 miles; extreme breadth 140 miles; bounded on the north by the Aral Sea, on the east by the river Oxus, on the south and west by the Russian Trans-Caspian province.

Syed Mahomed Rahim Khan succeeded his father in 1865 as reigning sovereign; born about 1845.

Russian relations with the Khanate of Khiva—an Usbeg State, founded, like that of Bokhara, on the ruins of Tamerlane's Central Asian Empire—date from the beginning of the 18th century, when, according to Russian writers, the Khivan Khans first acknowledged the Czar's supremacy. In 1872, on the pretext that the Khivans had aided the rebellious Kirghiz, an expedition advanced to the capital, bombarded the fortifications, and compelled the Khan to sign a treaty which puts the Khanate under Russian control. A war indemnity of about 274,000*l.* was also exacted. This heavy obligation, still being liquidated by yearly instalments, has frequently involved the Khan in disputes with his subjects, and Russian troops have more than once crossed the frontier to afford him aid and support.

The Khans of Khiva have been Mohamed Rahim Khan, 1806–25; Alla Kuli Khan, 1825–42; Rahim Kuli Khan, 1842–45; Mohamed Arnin Khan, 1845–55; Abdulla Khan, 1855–56; Kutlugh Murad Khan, 1856; Seyid Mohamed Khan, 1856–65; Seyid Mohamed Rahim Khan, 1865.

Area, 22,320 square miles; population estimated at 700,000, including 400,000 nomad Turcomans. Chief towns—Khiva, 4,000–5,000; New Urgenj, 3,000; Hazar Asp, and Kungrad.

The religion is Mahomedan.

The annual production of silk is said to be about 48 tons; of cotton, about 8,064 tons.

The exports of cotton in 1888 were 57,000 bales.

#### BOOKS OF REFERENCE CONCERNING KHIVA.

*Abbott (J.)*, Narrative of a Journey from Herat to Khiva. London, 1884.

A Ride to Khiva, by Colonel *Burnaby*. London, 1884.

The Shores of the Lake Aral, by Major Herbert *Wood*. London, 1876.

*Reclus (E.)*, Nouvelle géographie universelle. L'Asie Russe. 1881.

### Statistical and other Books of Reference concerning Russia.

#### I. OFFICIAL PUBLICATIONS.

##### *Russian.*

- Annual (*Pamyatnaya Knizka*) of the Ministry of the Navy for 1894. St. Petersburg, 1894.
- Annals (*Vremennik*) of the Central Statistical Committee. St. Petersburg, 1878-94.
- Collection of Materials (*Sbornik Svedeniy*) for Russia for 1887 and 1888, published by the Central Statistical Committee. St. Petersburg, 1891.
- The Year 1894 with Relation to Agriculture. Also The Year 1893. Published by the Department of Agriculture. St. Petersburg, 1894.
- Materials for a Statistic to the Empire of Russia. Published by the Statistical Department of the Ministry of the Interior. 8. St. Petersburg, 1863-94 :—
- Movement of Population in 1884; Prices on Land in 1882-87; The Zemstvos in 1886; Movement of Population in 1886; Crops of 1889 compared to those of 1883-87; Crops of 1891; &c.
- Report of the Procurator of the Holy Synod for 1890-91. St. Petersburg, 1894.
- Statistics of the Landed Property and Inhabited Places of the Russian Empire, with maps, &c. Published by the Statistical Department. St. Petersburg, 1861-86.
- The Agriculture and Forestry (*Selskoye i Lyesnoye Khozyaistvo*) of Russia. Published by the Ministry of Agriculture, under V. I. Kovalevsky. St. Petersburg, 1893.
- The Crop of 1893, by the Central Statistical Committee. St. Petersburg, 1893-94.
- Review of Data (*Svod Dannykh*) relative to the Manufactures of Russia in 1887-91, by the Ministry of Finances. St. Petersburg, 1893.
- Review of the Exterior Trade (*Obzor vnyeshnei Torgovli*) for 1892, and Exterior Trade on the European Frontier in 1893, published by the Ministry of Finances. St. Petersburg, 1894.
- Statistical Annual (*Vremennik*) of Caucasus. Tiflis, 1893.
- Statistical Materials published by the Provincial Statistical Committees.
- Statistics (*Svod Statisticheskikh Svedeniy*) relative to the judicial institutions in 1887. St. Petersburg, 1892.
- Yearly Report of the Caucasus Administration about the Schools in 1892. Tiflis, 1894.
- Official Messenger*, periodical published by the Ministry of Interior.
- Vyestnik Finansov*, periodical published by the Ministry of Finances.
- Sbornik* of Materials for the Description of Caucasus and its Inhabitants. Tiflis; 13th and 14th vols., published in 1892.
- Kaufmann (Dr.)*, Financial Statistics of Russia for 1862-84, published by the Central Statistical Committee. St. Petersburg, 1886.
- I. Kaufmann*. The value of paper money of Russia for the last 50 years (*Vekselnyie Kursy Rossii*), publ. in *Vremennik* of the Central Stat. Committee. St. Petersburg, 1892.
- The actual Income and Expenditure for 1886-92, in *Off. Messenger* and *Vyestnik Finansov* for 1894 and 1895.
- Statistical Reports (*Sbornik*) of the Ministry of Ways and Communications, vols. 34 to 36. (Transport of Goods on Railways and Canals in 1892; River Fleet in 1891.) St. Petersburg, 1893-94. (With maps.

- Reports of the Medical Department for 1891. St. Petersburg, 1894.  
 Report of the Prison Administration for 1892. St. Petersburg, 1894.  
*A. Haapanen and Baron Nolcken, Law (Pologenie) of the New Organisation of Peasants' Tribunals in the Baltic Provinces, with a Summary of Motives. Published by Ministry of Justice. St. Petersburg. 8. 2 vols. 1889.*  
 Postal and Telegraph Statistics for 1891. St. Petersburg, 1894.  
 Statistics collected by the *Zemstvos*, being house-to-house inquests covering 123 districts of European Russia, and embodying 2,983,733 households (17,996,317 souls). 1880-94. 450 volumes.  
 Report of the Finances of the *Zemstvos* for 1871-80, 1881-83, 1886-87. St. Petersburg, 1884-90.  
 Annual of the *Zemstvos* for 1888 (*Zemskiy Ejegodnik*). St. Petersburg, 1890.  
 Institutions of the Navy (*Svod morskikh Postanovleniy*), 18 volumes. St. Petersburg, 1888.  
 History of the Ministry of Domains for the Fifty Years of its Existence. St. Petersburg, 1887  
*Orloff and Budagoff*, Index of Manufactures in European Russia. 3rd edition. St. Petersburg, 1894.  
 Statistical Data (*Statisticheskaya Dannyya*) relative to the operations of the State Bank. St. Petersburg, 1893.  
*A. Golubeff*, Statistics of Mortgages in Russia (*Statistika Dolgosrochnago Kredita*), edited by the Congress of Representatives of Mortgage Banks. 3 vols. St. Petersburg, 1894.  
*Krivenko*, Short Description of the Governmental Institutions of Russia. 2nd edit. St. Petersburg, 1889.  
 Materials (*Svod Materialov*) relative to the Economical Conditions of the Peasants of Transcaucasia. 5 vols. Tiflis, 1886-91.  
 Materials (*Materialy*) relative to the Economical Conditions of the Peasants and Indigens of West Siberia. 18 parts. St. Petersburg, 1888-92.  
 Mutual Insurance against Fire in 1889-92, edited by the Central Statistical Committee. St. Petersburg, 1893.  
 Collections of Laws (*Sbornik zakononiy*) issued on July 12, 1889, on the Peasants' Institutions and Justices of the Peace. Edited by the Ministry of Interior. St. Petersburg, 1890.  
 Memoirs and Bulletins of the Russian Geographical Society and its Branches in Caucasus and Siberia.  
 Historical Review (*Istoricheskiy Obzor*) of the Measures taken by Government for Food Supply in Russia. Vol. I. St. Petersburg, 1892. Edited by Ministry of Interior.  
 Collection of Materials (*Sbornik Materialov*) for the Description of the land and Inhabitants of Caucasus. Edited by the Ministry of Instruction. 17 vols. Tiflis, 1880-93.  
 Review (*Obzor*) of the Transcaspien Region in 1890. St. Petersburg, 1892.
- French, English, &c.*
- Annuaire des finances russes : budget, crédit, commerce, chemins de fer. Par A. Vessélovsky, secrétaire du comité scientifique du ministère des finances. 8. St. Petersburg, 1891.  
 Handbook of the Russian Troops in Asia, by Major J. W. Murray. Issued by the War Office. 8. London, 1890.  
 Report on the Fair at Nishni Novgorod, in Deutsches Handels-Archiv for May 1892 Berlin.  
 The Industries, Manufactures, and Trade of Russia. Published by the Ministry of Finance for the World's Columbian Exposition at Chicago. Editor of the English translation, J. M. Crawford, United States Consul-General to Russia. Vol. I. and II., Manufactures and Trades; Vol. III., Agriculture and Forestry; Vol. IV., Mining and Metallurgy; Vol. V., Siberia and the Great Siberian Railway. St. Petersburg, 1893.  
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.  
 Foreign Office Reports. Annual Series. 8. London.  
*Grierson* (Captain J. M.), Armed Strength of Russia (with two maps). London, 1886.  
*Hertslet* (Sir Edward), Foreign Office List. Published annually. London, 1894.  
*Koulibine* (S.), Aperçu préliminaire de l'industrie minérale en 1890. St. Petersburg, 1892.  
 Statistik Arbok för Finland, utg. af Statistiska Centralbyrån. 1891-92. Helsingfors, 1894.

## 2. NON-OFFICIAL PUBLICATIONS.

- Armies of To-day, by various writers. 8. London, 1893.  
*Bür* (K. E. von) and *Helmersen* (Gr. von), Beiträge zur Kenntniss des Russischen Reichs. 25 vols. 8. St. Petersburg, 1852-72.  
*Bezobrazof*, Etudes sur l'économie nationale de la Russie en 1877-79. St. Petersburg, 1884.  
*Brzeski*, The Debts of the Russian Empire. St. Petersburg, 1884. (Russian.)  
*Capus* (G.), A travers le Royaume de Tamerlane. 8. Paris, 1892.  
*Chełkowski* Słownik geograficzny Królestwa Polskiego i innych krajów słowiańskich. 2 vols. Warsaw, 1892.

- Dosujkoff*, Income from Custom Duties during the years 1822 to 1890. St. Petersburg, 1892. (Russian.)
- Dunmore* (Earl of), The Pamirs. 2 vols. S. London, 1893.
- Erdmann* (Dr.), System des Privatrechts der Ostseeprovinzen. Bd. I. Riga, 1889.
- Erman* (Georg Adolf), Archiv für die wissenschaftliche Kunde Russlands. 25 vols. 8. Berlin, 1841-68.
- Goremykin*, Laws relative to the Peasantry issued since 1859. St. Petersburg, 1891. (Russian.)
- Howard* (B. D.), Life with Trans-Siberian Savages. [The Ainus of Saghallen.] 8. London, 1893.
- Iliin* (A.), Detailed Atlas of Russia, with plans of chief towns. St. Petersburg, 1866. (Russian.)
- Issaeff* (A. A.), Emigration and its Importance for the Economy of the Russian Nation. St. Petersburg, 1891. (Russian.)
- Knight* (E. F.), Where Three Empires Meet. S. London, 1893.
- Janssell* (H.), Russian Central Asia. London, 1885.
- Leroy-Beaulieu* (Anatole), L'empire des Tsars et les Russes. 2 vols. Paris, 1882. [English translation. 8. London, 1893.]
- Matthaei* (Fr.), Die wirthschaftlichen Hilfsquellen Russlands. 2 vols. Leipzig, 1887.
- Morfill* (W. R.), Poland. In Story of the Nations Series. 8. London, 1893.
- Murray's* Handbook for Russia. 8. London.
- Pauly* (J. N.), Description ethnographique des peuples de la Russie. 8. St. Petersburg, 1862.
- Popowski* (J.), The Rival Powers in Central Asia. 8. London, 1893.
- Rambaud* (Alfred), Histoire de la Russie jusqu'au l'année 1884. 3rd edition. Paris. [Of this there is an English translation. 3 vols. S. London.]
- Reclus* (Elisée), Géographie universelle. Tome V. L'Europe Scandinave et Russe, revised to date in 1885. VI. L'Asie Russe. Paris, 1880-81. And Appendix to the Russian translation, by MM. Beketoff, Bogdanoff, Woekoff, and others. St. Petersburg, 1884.
- Röttger* (Carl), Russische Revue. Monatsschrift für die Kunde Russlands. 8. St. Petersburg, 1872-92.
- Roskoschny*, Russland, Land und Leute. Leipzig, 1886; Die Wolga. Leipzig, 1887.
- 'Russkiy Kalendar,' published in December each year.
- Samson-Himmelstierna*, Russia under Alexander III. [Translation from the German.] 8. London, 1893.
- Schuyler* (Eugene), Turkestan: Notes of a Journey in Russian Turkestan, Khokand, Bukhara, and Kuldja. 2 vols. 8. London, 1876.
- Seebohm* (H.), Siberia in Asia: The Valley of the Yenasey. 8. London, 1882.
- Selvor* (Semen), Lettres Russes. [On Social Subjects.] Paris, 1891.
- Semenoff* (N. P.), The Emancipation of Peasants. Vol. I. St. Petersburg, 1889.
- Semenof* (P. P.), Geographical and Statistical Dictionary of the Russian Empire. (Russian.) 5 vols. 8. St. Petersburg, 1863-84.
- Stchapof* (A.), The Intellectual Development of the Russian People. (Russian.) 8. St. Petersburg, 1870.
- Stoddard* (C. A.), Across Russia from the Baltic to the Danube. 8. London, 1892.
- Strelbitzky* (M.), Superficies de l'Europe. St. Petersburg, 1882.
- Thun*, Industrie Central-Russlands.
- Tikhomirov* (L. A.), Russia Political and Social. [Translation from the French.] 2nd edition. 2 vols. 8. London, 1892.
- Wallace* (Maekenzie), Russia. 2 vols. 8. London, 1877.
- Wishaw* (F. J.), Out of Doors in Tsarland. 8. London, 1893.
- Yadrinkse*, Siberia as a Colony. Second edition. St. Petersburg, 1892. (Russian.)
- Yanson*, Comparative Statistics. Vol. II. St. Petersburg, 1880. Researches into the Allotments of Peasants. St. Petersburg, 1882. (Russian.)
- Ungern-Sternberg*, Vine Culture in Crimea. St. Petersburg, 1888. (Russian.)
- Zhitkoff* (S. M.), Short Review of Russia's Water-communications. Published by the Engineering Institute. St. Petersburg, 1892. With maps. (Russian.)

*The Jews in Russia:—*

Report of the Commissioners of Immigration upon the causes which incite immigration to the United States. [The chapters on the Jews in Russia, by J. B. Weber and W. Kempster, have been translated into French and issued separately under the title 'La Situation des Juifs en Russie.'] 8. Washington, 1892.

Les Juifs de Russie. Recueil d'articles et d'études. 8. Paris, 1891.

*Errera* (A.), The Jews in Russia: Emancipation or Extermination. 8. London, 1894.

*Frédéric* (Harold), The New Exodus: a Study of Israel in Russia. 8. London, 1892.

*Novikov* (Theodor), Das Jüdische Russland. 8. Berlin, 1892.

*Pennell* (Joseph), The Jew at Home, 4. London,

## SALVADOR.

(REPÚBLICA DEL SALVADOR.)

### Constitution and Government.

IN 1853 the Central American Federation, which had comprised the States of Guatemala, Salvador, Honduras, Nicaragua, and Costa Rica, was dissolved, and Salvador became an independent Republic. The Constitution, proclaimed in 1864, and modified in 1880, 1883, and 1886, vests the legislative power in a Congress of 70 Deputies, 42 of whom are proprietors. The election is for one year, and by universal suffrage. The executive is in the hands of a President, whose tenure of office is limited to four years.

*President of the Republic.*—General Rafael Antonio *Gutierrez*, proclaimed April 29, 1894.

The administrative affairs of the Republic are carried on, under the President, by a ministry of four members, having charge of the departments of:—The Exterior, Justice, Worship, and Instruction; War and Marine; Interior and Government; Finance, Fomento, and Beneficence.

The army numbers 4,000 men, and the militia 18,000. There is one custom-house cruiser.

### Area and Population.

The area of the Republic is estimated at 7,225 English square miles, divided into 14 departments. The population, according to a census of January 1, 1886, was 651,130 (318,329 males and 332,801 females), giving an average of 89 inhabitants to the square mile, being twenty times that of the average of the other States of Central America. The census returns for 1892 are still incomplete. An official estimate makes the population 780,426. Aboriginal and mixed races constitute the bulk of the population, among whom live about 20,000 whites or descendants of Europeans. The capital is San Salvador, founded in 1528, with 20,000 inhabitants (1892). The city in 1854 was overwhelmed by volcanic disturbances, and most of the inhabitants erected new dwellings on a neighbouring site, at present called Nueva San Salvador. The new capital suffered similarly in 1873, and again in 1879.

### Instruction and Justice.

Education is free and obligatory. In 1893 there were in Salvador 585 primary schools, with 29,427 pupils; 18 higher schools (including 2 normal and 3 technical schools) with 1,200 pupils; and a national university with faculties of jurisprudence, medicine, natural sciences, and engineering, attended by 180 students.

In the capital is a national library and museum, and in the Republic 13 newspapers are published.

Justice is administered by the Supreme Court of Justice, by several subordinate courts, and by local justices.

### Finance.

The following are the official figures of the revenue and expenditure for five years:—

	1889	1890	1891	1892	1893
	Dollars	Dollars	Dollars	Dollars	Dollars
Revenue . . . .	4,070,312	4,151,457	7,454,418	6,895,703	7,133,000
Expenditure . . .	4,033,157	5,442,315	7,417,823	6,784,529	7,153,000

The revenue is derived mostly from customs duties and excise. The expenditure for 1893 was for:—Administration, 4,732,000 dollars; public credit, 2,421,000 dollars.

In March, 1894, the internal debt was put at 3,964,300 dollars, and the external debt at 261,000*l.* sterling.

### Production and Commerce.

The population of Salvador is largely engaged in agriculture. The chief produce is:—Coffee, indigo, sugar, tobacco. The mineral wealth of the Republic includes gold, silver, copper, iron, mercury. The mines and quarries in operation number 180.

The imports and exports have been as follows for five years:—

—	1889	1890	1891	1892	1893
	Dollars	Dollars	Dollars	Dollars	Dollars
Imports . .	2,886,050	2,405,202	3,200,094	2,320,941	1,853,996
Exports . .	5,673,786	7,578,734	7,072,578	6,838,259	7,511,068

To the imports in 1893 Great Britain contributed 502,000 dollars; the United States, 604,000 dollars; France, 265,000 dollars; Germany, 227,000 dollars. Of the exports, 1,935,000 dollars went to the United States; 1,295,000 dollars to Great Britain; 1,561,000 dollars to France; 1,589,000 dollars to Germany. The principal imports in 1893 were cotton goods, 420,000 dollars; flour, 211,000 dollars. The principal exports in 1893 were:—Coffee, 1,405,000 dollars; indigo, 1,265,000 dollars.

The imports into the United Kingdom from Salvador (according to the Board of Trade Returns) amounted in 1893 to 240,536*l.*, of which 179,049*l.* was for coffee, and 57,346*l.* for indigo. The domestic exports from the United Kingdom to Salvador amounted to 162,992*l.*; the chief articles exported being cottons, 87,861*l.*; iron, 22,536*l.*; woollens, 10,975*l.*; machinery, 4,458*l.*

### Shipping and Communications.

In 1893, 217 vessels entered at the ports of the Republic, and as many cleared.

A railway connects the port of Acajutla with the inland towns of Santa Anna and Ateos with San Tecla; total length, 62 miles. Receipts in 1892, 191,558 dollars; expenses, 131,876 dollars. There are over 2,000 miles of good road in the Republic. Salvador joined the postal union in 1879. In 1893 there were 73 principal receiving offices, and 2,114,785 letters and packets were transmitted. In 1893 there were in Salvador 138 telegraph stations and 1,802 miles of telegraph line. There were 678,093 messages transmitted. There are 18 telephone offices and 597 miles of telephone line.

### Money, Weights, and Measures.

#### MONEY.

The *Dollar*, of 100 *centavos*, approximate value 4*s.*, real value 6½ dollars = 1*l.*

The gold coins of England, Germany, the Latin Union, Spain, several South American Republics, and Mexico, by decree, are received at par; those of the United States generally at 5 per cent. premium. The Central Ameri-

can Mint (Limited), established August, 1892, had issued up to March, 1893, 10,000 dollars in gold coinage, and 70,585 dollars in silver. In July, 1893, the company contracted to coin in silver 1,000,000 dollars a year for 5 years in "colones" and half "colones" .900 fine, and smaller pieces .835 fine. A law passed September 30, 1892, adopting the gold standard, and requiring taxes to be paid in gold or its equivalent, is still in abeyance.

WEIGHTS AND MEASURES.

<i>Libra</i> . . . = 1.014 lb. av.		<i>Arroba</i> . . . = 25.35 lb. av.
<i>Quintal</i> . . . = 101.40 lbs. av.		<i>Fanega</i> . . . = 1½ bushel.

In 1885 the metrical system of weights and measures was introduced.

**Diplomatic Representatives.**

1. OF SALVADOR IN GREAT BRITAIN.

*Consul-General and Agent.*—L. Alexander Campbell.

There are consular agents at London, Falmouth, Southampton, Manchester, Nottingham, Liverpool, Birmingham, and Glasgow.

2. OF GREAT BRITAIN IN SALVADOR.

*Minister and Consul-General.*—Audley C. Gosling.

*Consul.*—Charles S. H. Campbell (San Salvador).

Vice-Consuls at San Miguel and Santa Anna.

**Statistical and other Books of Reference concerning Salvador.**

Constitucion política de la República del Salvador decretada por el Congreso Nacion, Constituyente el 4 de Diciembre de 1883.

Directorio Postal de la Republica del Salvador, formado por la direccion General de Correos. San Salvador, 1894.

Leyes, Ordenes y Resoluciones de los Poderes Legislativos y Ejecutivos en 1889. 8. San Salvador, 1892.

American Consular Reports for February, August, September, and October, 1893. Waslington.

Foreign Office Reports. Annual Series. 8. London.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1893. Imp. 4. London, 1894.

*Gonzalez* (Dr. D.), Geografia de Centro-América. San Salvador, 1878.

*Guzman* (D.), Apuntamientos sobre la topografia fisica de la rep. del Salvador. San Salvador, 1883.

*Laferrière* (J.), De Paris à Guatemala. 8. Paris, 1877.

*Marr* (Wilhelm), Reise nach Central-América. 2 vols. 8. Hamburg, 1863.

*Morelot* (L.), Voyage dans l'Amérique centrale. 2 vols. 8. Paris, 1859.

*Reyes* (Rafael), Nociones de historia del Salvador. San Salvador, 1886.

*Scherzer* (Karl Ritter von), Wanderungen durch die mittelamerikanischen Freistaaten Nicaragua, Honduras und Salvador. 8. Braunschweig, 1857.

*Squier* (E. G.), The States of Central America. 8. London, 1868.

## SAMOA.

*Reigning King.*—Malietoa Laupepa, restored November 9, 1889.

Group of 14 volcanic islands in the South Pacific, the chief of which are Upolu, Savaii, and Tutuila. At a Samoan conference at Berlin in 1889, at which Great Britain, Germany, and the United States were represented, an Act was signed (June 14) guaranteeing the neutrality of the islands, in which the citizens of the three signatory Powers have equal rights of residence, trade, and personal protection. The three Powers recognise the independence of the Samoan Government, and the free rights of the natives to elect their chief or king, and choose the form of government according to their own laws and customs. A supreme court is established, consisting of one judge, who is styled Chief Justice of Samoa. To this Court are referred (1) all civil suits concerning real property situated in Samoa; (2) all civil suits of any kind between natives and foreigners, or between foreigners of different nationalities; (3) all crimes and offences committed by natives against foreigners, or committed by such foreigners as are not subject to any consular jurisdiction. All future alienation of lands is prohibited, with certain specified exceptions. A local administration is provided for the municipal district of Apia.

Apia in the island of Upolu is the capital and centre of government.

Area, 1,701 square miles; population, about 34,000, of which 16,600 in Upolu, 12,500 in Savaii, 3,750 in Tutuila. The natives are Polynesians. There were in 1891, 235 British-born subjects (163 males and 72 females), about 90 Germans, and a few of other nationalities. The natives are all Christians (Protestant and Roman Catholic), and schools are attached to the churches. Revenue from taxes and customs duties on the foreign population in 1891 5,670*l.* The trade is in the hands of German and British firms, and British trade is increasing. Imports, 1892, 67,318*l.*; exports, 36,356*l.* Imports, 1893, 68,250*l.* (38,162*l.* from Great Britain and Colonies). Of the imports 489*l.* came from United Kingdom; 23,584*l.* from New Zealand, and 14,098*l.* from Australia; exports, 1893, 34,326*l.*, of which 3,158*l.* went to Great Britain or Colonies. Chief imports, haberdashery, kerosene, lumber, galvanised roofing, and tinned provisions; chief export, copra. During 1892 many acres were planted with cacao, with a view to export. In 1893 81 vessels of 74,955 tons (26 of 26,925 tons British) excluding men-of-war and coasting vessels entered the port of Apia. During 1893 the North German Lloyd steamer ceased running to Samoa, but the remainder of the fine steam communication with New Zealand, Australia, and California continued in operation. New Zealand is reached in five days, Australia in eight.

The Berlin Treaty made the American coinage the standard of exchange in Samoa. English silver and United States, English, and German gold are exclusively in circulation.

*Acting Consul.*—C. M. Woodford, Deputy Commissioner for Samoa and Union Group.

### BOOKS OF REFERENCE.

- Blue Book for Samoa, 1894.
- Foreign Office Annual Series. Report on the Trade of Samoa, No. 1458, 1894.
- Papers on Samoa, published by the United States Foreign Office.
- Report of the Berlin Conference relating to Samoa. London, 1890.
- Bastian (Adolf), Einiges aus Samoa und andern Inseln der Südsee. 8. Berlin, 1889.
- Churchward (W. B.), My Consulate in Samoa. 8. London, 1887.
- Finlay's South Pacific Dictionary.
- Samoa a Hundred Years Ago and Long Before. 8. London, 1884.
- Stevenson (R. L.), A Footnote to History: Eight Years of Trouble in Samoa. 8. London, 1892.
- Turner (Rev. G.), Nineteen Years in Polynesia. London, 1884.
- Wallace (A. R.), Australasia.
- Williams (Rev. J.), Missionary Enterprise in the South Sea Islands.



## SANTO DOMINGO.

(REPÚBLICA DOMINICANA.)

### Constitution and Government.

THE Republic of Santo Domingo, founded in 1844, is governed under a Constitution bearing date November 18, 1844, re-proclaimed, with changes, November 14, 1865 (after a revolution which expelled the troops of Spain, who held possession of the country for the two previous years), and again in 1879, 1880, 1881, and 1887. By the terms of the Constitution the legislative power of the Republic is vested in a National Congress of 22 deputies. The members are chosen by direct popular vote, with restricted suffrage, in the ratio of two for each province and two for each district, for the term of two years. But the powers of the National Congress only embrace the general affairs of the Republic.

The executive of the Republic is vested in a President chosen by universal suffrage for the term of four years. During the past few years, according to the British Consular Reports, the country has been going on prosperously, and become comparatively quiet.

*President of the Republic.*—General Ulisses *Heurcaux*, elected 1886.

The administrative affairs of the Republic are in charge of a ministry appointed by the President. The Ministry is composed of the heads of the departments of the Interior and Police, Finance and Commerce, Justice and Public Instruction, War and Marine, Public Works and Foreign Affairs.

Each province and district is administered by a governor appointed by the President. The various communes, cantons, and sections are presided over by prefects or magistrates appointed by the governors. The communes have municipal corporations elected by the inhabitants.

### Area and Population.

The area of Santo Domingo, which embraces the eastern portion of the island of Haiti—the western division forming the Republic of *Haiti*—is estimated at 18,045 English square miles, with a population in 1888 officially estimated at 610,000 inhabitants, or about 34 to the square mile.

The Republic is divided into six provinces and five maritime districts. The population, unlike that of the neighbouring Haiti, is mainly composed of a mixed race of the original Spanish inhabitants and the aborigines, of mulattoes and of negroes, the latter being less in number; the whites, or European-descended inhabitants, are comparatively numerous, and owing to their influence the Spanish language prevails, though in the towns both French and English are spoken. The capital of Santo Domingo, founded 1491, at the mouth of the river Ozama, has (1892) 14,150 inhabitants; Puerto Plata, the chief port, has 15,000 inhabitants.

### Religion and Instruction.

The religion of the State is Roman Catholic, other forms of religion being permitted under certain restrictions. There are 54 parishes.

Primary instruction is gratuitous and obligatory, being supported by the communes and by central aid. The public or state schools are primary, superior, technical schools, normal schools, and a professional school with the character of a university. On December 31, 1884, when the last school census was taken, there were 201 municipal schools for primary instruction, with 7,708 pupils. It is estimated that there are now 300 schools with about 10,000 pupils.

There are several literary societies in the capital and other towns; and in the Republic there are published about 40 newspapers.

### Justice.

The chief judicial power resides in the Supreme Court of Justice, which consists of a president and 4 justices chosen by Congress, and 1 (ministro fiscal) appointed by the executive—all these appointments being only for the presidential period. The territory of the Republic is divided into 11 judicial districts, each having its own tribunal or court of first instance, and these districts are subdivided into communes, each with a local justice (alcalde), a secretary and bailiff (alguacil).

### Finance.

The revenue is mainly derived from customs duties. The revenue for 1890 was 3,828,329 dollars, and expenditure 3,837,300 dollars. In 1893 the customs revenue was stated at 2,137,879 dollars. In January, 1889, the internal debt was returned at 1,282,952 dollars, and the 'public debt' (also internal) at 1,648,423 dollars. The international debt on January 1, 1891, was 213,295 dollars. The foreign debt at the end of 1890 amounted, according to the official statement of the Council of Foreign Bondholders, to 714,300*l.*, with unpaid interest amounting to 680,000*l.* Under decree of September, 1890, a new 6 per cent. loan was contracted, for 571,000*l.*, to meet the cost of construction of a railway from Puerto Plata to Santiago, and other purposes, including the service of the loans of 1888 and 1890. In March, 1893, the Dominican Government failed to pay the coupons due on these two loans from January, 1892.

### Defence.

There is a small army of infantry, cavalry, and artillery, a regiment being stationed in the capital of each province. There are also reserve corps, and universal liability to serve in case of foreign war.

### Production and Industry.

The total area, including adjacent islands, being estimated at about 60,000 square kilometres, the cultivable area is about 50,000 square kilometres. Tobacco culture is declining, while the production of coffee and cocoa as well as of cane-sugar is on the increase; some attention has recently been given to cattle-raising and dairy produce; the principal industries are connected with agriculture and forestry. Large sugar plantations and factories are in full work in the south and west of the Republic.

### Commerce.

The commerce of the Republic is small, owing in part to customs duties of a prohibitory character. The principal articles of export are logwood, mahogany, coffee, fustic, sugar, rum, tobacco, cocoa, and honey.

In 1892 the total imports into the Republic of Santo Domingo were valued at 402,347*l.*, and the exports at 607,132*l.*

In 1893 the exports from the city of Santo Domingo and other ports (exclusive of Puerto Plata) amounted to 391,604*l.* The chief articles of export and the quantities in 1893 were:—Coffee, 31,140 quintals; cocoa, 41,546 quintals; sugar, 688,334 quintals; rum, 41,243 gallons; honey, 103,473 gallons; mahogany, 1,147,596 feet; lancewood spars, 622,127 feet; hides, 26,029; tobacco, 164,208 quintals. The imports in 1893 amounted to 391,604*l.* according to the Custom-house statistics. They consisted of cotton goods (167,093*l.*), hardware, earthenware, breadstuffs, &c.

From Puerto Plata in 1892 the chief exports were:—Tobacco, 5,837,089 lbs.; coffee (to Europe and New York), 377,353 lbs.; mahogany, 733,817 feet; cocoa, 221,100 lbs.; hides, 11,230; sugar, 768,790 lbs. The total value of exports was 104,777*l.*; and of imports, hardware, provisions, &c., 80,465*l.*

In the 'Annual Statement of the Board of Trade,' the exports to and imports from Great Britain are added to those of Haiti.

### Shipping and Communications.

In 1893 192 vessels, of 102,532 tons (24, of 10,511 tons, British), entered, and 191 of 102,254 tons cleared, the port of Santo Domingo. In 1892 129 vessels, of 147,347 tons, entered and cleared at the port of Puerto Plata.

The interior is officially stated to be well supplied with roads. A railway is completed between Samaná and La Vega (72 miles), and is being carried on to Santiago, and another line is contemplated between Barahona and the salt mountain of 'Cerro de Sal.'

The Republic entered the Postal Union in 1880. In 1892 there were in the Republic, 50 post offices. The inland letters, printed packets, &c., numbered 323,662; and the international 205,075.

The telegraph, in the hands of the Antilles Telegraphic Company, is in operation between Santo Domingo and Puerto Plata, with intermediate stations, the total length being 229 miles. Several other inland lines are in project. The foreign telegraphic system in operation is that of the French Submarine Telegraphic Company.

Telephonic communication is carried on at Puerto Plata, Santiago, and Santo Domingo.

### Money, Weights, and Measures.

The National Bank, in return for cash advances made to the government has the privilege of selling government stamped paper and postage stamps, and of collecting 5 per cent. tax on import duties. Its notes circulate freely.

The money in use is mainly that of Spain, the United States, Mexico, and France.

Quintal = 4 arrobes = 100 lbs. (of 16 oz.) = 46 kilograms.

For liquids the arrobe = 32 cuartiles = 25.498 litres = 4.110 gallons.

The metrical system is coming into use.

## Diplomatic and Consular Representatives.

### 1. OF SANTO DOMINGO IN GREAT BRITAIN.

*Consul-General*.—Miguel Ventura ; appointed July 20, 1876.

### 2. OF GREAT BRITAIN IN SANTO DOMINGO.

*Vice-Consul*.—Vacant.

*Vice-Consul* at Porto Plata.—Alfred H. Lister.

## Statistical and other Books of Reference concerning Santo Domingo.

### 1. OFFICIAL PUBLICATIONS.

*La République Dominicaine*. Par Francisco Alvarez Leál. Paris, 1888.

Foreign Office Reports, Annual Series. London, 1894.

Trade of Haiti and San Domingo with Great Britain, in 'Annual Statement of the Trade of the United Kingdom for the year 1893.' Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Hazard* (Samuel), *Santo Domingo, Past and Present; with a Glance at Haiti*. 8. pp. 511. London, 1873.

*Jordan* (Wilhelm), *Geschichte der Insel Haiti*. 2 vols. 8. Leipzig, 1849.

*Keim* (D. B. Randolph), *Santo Domingo. Pen Pictures and Leaves of Travel*. 12. Philadelphia, 1871.

*Monte y Tejada* (Antonio), *Historia de Santo Domingo, desde su descubrimiento hasta nuestros dias*. Tomo I. (all published). 8. Habana, 1853.

*Abad* (Jose Ramon), *La República Dominicana, reseña general geográfico-estadística*. 8. Santo Domingo, 1889.

*Merino* (Padre), *Elementos de geografía física, política é histórica de la República Dominicana*. Santo Domingo, 1889.

*Garcia* (José Gabriel), *Compendio de la historia de Santo Domingo, escrito para el uso de las escuelas de la República Dominicana*. Santo Domingo, 1879.

# SERVIA.

(KRALJĚVSTVO SRBIJA.)

## Reigning Sovereign and Family.

**Alexander I.**, King of Servia, born August 14 (new style), 1876; son of Milan I., King of Servia, born August 22, 1854, the son of Milos Obrenovič, grandson of Jefrem, half-brother of Prince Milos. King Milan succeeded to the throne as Prince Milan Obrenovič IV., confirmed by the election of the Servian National Assembly, after the assassination of his uncle, Prince Michail Obrenovič III., June 20, 1868; was proclaimed King March 6, 1882; married October 17, 1875, to Natalie, born 1859, daughter of Colonel Keschko, of the Russian Imperial Guard; divorced October 24, 1888. King Milan abdicated March 6, 1889, and proclaimed his son Alexander King of Servia, under a regency until he should attain his majority (18 years). King Alexander, on April 13, 1893, being then in his seventeenth year, took the royal authority into his own hands.

The present ruler of Servia is the fifth of his dynasty, which was founded by Milos Todorovič Obrenovič, leader of the Servians in the war of insurrection to throw off the yoke of Turkey, which had lasted since 1459. The war lasted from 1815 to 1829, when the Turkish Government was compelled to grant virtual independence to Servia. By the terms of the treaty, signed September 14, 1829, Milos T. Obrenovič was acknowledged Prince of Servia, and by a subsequent Firman of the Sultan dated August 15, 1830, the dignity was made hereditary in his family.

The independence of Servia from Turkey was established by article 34 of the Treaty of Berlin, signed July 13, 1878, and was solemnly proclaimed by Prince (afterwards King) Milan at his capital, August 22, 1878. The King's civil list amounts to 1,200,000 dinars.

## Constitution and Government.

By the Constitution voted by the Great National Assembly January 2, 1889 (December 22, 1888, old style), and signed by the King on the 3rd, the executive power is vested in the King, assisted by a council of eight Ministers, who are, individually and collectively, responsible to the nation. The legislative authority is exercised by the King, in conjunction with the National Assembly, or 'Narodna-Skupština.' The State Council, or Senate, consists of 16 members, 8 nominated by the King, and 8 chosen by the Assembly; it examines and elaborates the projects of laws, and authorises extraordinary loans for the municipalities. This body is always sitting. The ordinary National Assembly is composed of deputies elected by the people, indirectly and by ballot. Each county can elect one deputy to every 4,500 tax-paying males, but should the surplus be over 3,000, this number is also entitled to a deputy. The voting is by *scrutin de liste*. Each county must be represented by at least two deputies holding University degrees, and are called the qualified deputies. Every male Servian 21 years of age, paying 15 dinars in direct taxes, is entitled to vote; and every Servian of 30 years, paying 30 dinars in direct taxes, is eligible to the ordinary National Assembly. The ordinary Assembly meets each year on November 1, and elections take place every third

year on September 14. There is also a Great National Assembly, which meets when it is necessary. The number of its representatives is double the number fixed for the ordinary Skupshchina, and the restriction as to University degrees does not apply. The deputies receive travelling expenses and a salary of 10 dinars a day. Personal liberty, liberty of the press and conscience are guaranteed. The legal Constitution having been suspended in 1894 by the King, and the Constitution of 1869 provisionally put in force, a special Commission of leading members of the several political parties is to be called by the King to draft a new Constitution in accordance with the wishes of the nation.

*Prime Minister and Minister for the Interior.*—M. Nicola Christitch.

The other ministries are for Foreign Affairs, War, Finance, Public Works, Commerce, Instruction, Justice.

Counties, districts, and municipalities have their own administrative assemblies. For administrative purposes, according to the new Constitution, Serbia is divided into 15 provinces or counties, 1,290 communes, which include 4,029 villages and 74 towns or cities.

### Area and Population.

The area of the Kingdom of Serbia amounts to 19,050 square miles. From the administrative point of view Serbia is divided into 15 provinces, the capital, Belgrade, and Nisch city, which have their own administration.

The following table shows the area and estimated population of the provinces on January 1, 1894 :—

Okrug (Province)	Area in sq. m.	Population		Total	Pop. per sq. m.
		Male	Female		
Belgrade City . . . . .	4	31,545	24,770	56,315	14,093·7
Valjevo . . . . .	1,121	60,134	56,850	116,984	104·4
Vranja . . . . .	1,620	81,058	75,978	157,036	96·94
Kragonyévatz . . . . .	927	74,679	71,046	145,725	157·2
Kraina . . . . .	1,257	47,539	45,611	93,150	74·10
Krouchévatz . . . . .	1,256	81,167	77,028	158,195	125·1
Pirot . . . . .	1,214	63,615	60,687	124,302	102·4
Podrinje . . . . .	1,300	92,515	89,427	181,942	139·1
Pozarévatz . . . . .	1,404	109,596	104,898	214,494	152·8
Roudnik . . . . .	2,056	81,021	77,341	158,362	77·02
Toplitza . . . . .	1,400	66,568	61,482	128,050	91·46
Ushitzé . . . . .	1,676	72,787	71,945	144,732	86·35
Tzrnareka . . . . .	555	36,756	35,229	71,985	129·7
Morava . . . . .	1,200	86,736	82,778	169,514	141·2
Podunavlje (Danube) . . . . .	1,246	111,291	106,373	217,664	174·7
Timok . . . . .	810	49,310	46,928	96,238	118·8
Nisch City . . . . .	4	11,622	9,774	21,396	5,349·0
Total . . . . .	19,050	1,157,939	1,098,145	2,256,084	118·4

Of the total population 13·52 inhabited towns and 86·48 lived in the country. In 1890, 57·29 per cent. of the males and 53·16 per cent. of the females were unmarried; 38·27 per cent. males and 40·02 per cent. females married; 3·44 per cent. males and 6·82 per cent. females widowed and divorced. As to occupation, 26·30 per cent. of the town population and 97·20 per cent. of the country population are dependent on agriculture. Of the total population 16·81 per cent. is engaged in trade; 10·32 per cent.

in occupations connected with food ; 16·22 per cent. connected with clothing ; 14·20 per cent. connected with moulding of iron and metal work ; 4·31 per cent. teachers and clergy ; 8·16 per cent. officials. As to race, in 1891 there were 1,955,944 Servians (who, according to language, are Slavonic by race), 143,684 Roumanians, 37,581 Gipsies, 6,878 Germans, 2,929 Albanians and Turks, 4,510 Jews, 1,359 Bulgarians, 9,676 other foreigners.

The principal towns (1891) are the capital, Belgrade, 54,249 inhabitants ; Nisch, 19,877 ; Kragujevatz, 12,669 ; Leskovatz, 12,132 ; Pozarévatz, 11,134 ; Pirot, 9,930 ; Shabatz, 9,669 ; Vranja, 9,500 ; Smederevo, 6,726 ; Ushitzé, 6,627 ; Valjevo, 6,006 ; Kroushévatz, 5,998 ; Zaichar, 5,858 ; Alexinatz, 5,762.

**MOVEMENT OF POPULATION.**

Year	Total living Births	Illegitimate living	Stillborn	Marriages	Deaths	Surplus
1889	93,724	988	1,315	21,753	54,093	39,631
1890	87,018	916	1,312	21,555	57,723	32,295
1891	98,538	1,123	589	23,196	58,149	40,389
1892	93,833	973	1,033	20,934	74,128	19,705
1893	95,232	953	946	23,679	66,568	28,664

There are no trustworthy statistics of emigration and immigration. For 1893 the number of immigrants is given as 1,696.

**Religion.**

The State religion of Serbia is Greek-orthodox. According to the census of 1891 there were of the total population :—Greek-orthodox, 2,127,744 ; Catholics, 11,596 ; Protestants, 1,149 ; Jews, 4,652 ; Mohammedans, 16,764. To the last belong, besides the Arnauts and Turks, almost all the gipsies.

The Church is governed by the Synod of Bishops, the Archbishop of Belgrade as Metropolitan of Serbia being president, but all the ecclesiastical officials are under the control of the Minister of Education and Public Worship. There is unrestricted liberty of conscience.

**Instruction.**

Elementary education in Serbia is compulsory, and, in all the schools under the Ministry of Education, including the University, education is free. In the year 1892-93 the numbers of these schools, and of their teaching staff and pupils, were as follows :—

	No.	Teachers			Pupils		
		Male	Female	Total	Male	Female	Total
Elementary Schools	911	920	576	1,496	65,275	11,204	76,479
Middle Schools :							
Lower Gymnasiums .	13	114	12	126	2,042	321	2,363
Higher " " .	11	} 270	} 39	} 309	} 3,918	} 612	} 4,530
Technical Schools .	2						
High School for Girls.	2						
Normal Schools .	2						
Theological Seminary	1						
Total of Middle Sch.	31	384	51	435	5,960	933	6,893
University :							
Philosophical Faculty							124
Jurisprudence . . .				43			372
Technical . . . . .							40
Total of University .				43			536





The State derives the largest revenue from direct taxation which is imposed on land and income.

The following is the budget estimate for 1894 :—

Revenue	Dinars	Expenditure	Dinars
Direct imposts . . . . .	20,544,600	Civil list . . . . .	1,200,000
Customs . . . . .	6,000,000	Interest and annuities on public debt . . . . .	} 21,691,530
Octroi . . . . .	4,000,000	Dotations . . . . .	
Law courts . . . . .	2,360,000	National Assembly, &c. . . . .	120,000
Tobacco monopoly . . . . .	10,550,000	General Credits . . . . .	465,807
Salt monopoly . . . . .	3,250,000	Pensions, &c. . . . .	2,186,699
Printing house and manufactory of gunpowder . . . . .	} 82,000	Ministries :	
Railway . . . . .		5,500,000	Justice . . . . .
Mines . . . . .	1,200,000	Foreign Affairs . . . . .	1,170,527
Posts and telegraphs . . . . .	887,000	Finance . . . . .	6,423,856
State property . . . . .	400,000	War . . . . .	12,465,000
State produce . . . . .	992,000	Instruction and Public worship . . . . .	} 4,162,171
State mortgage trust . . . . .	600,000	Interior . . . . .	
Arrears, State pro- perty . . . . .	} 5,250,000	Public Works . . . . .	4,885,055
Unforeseen revenue . . . . .		2,140,000	Commerce and Agri- culture . . . . .
Total . . . . .	63,755,600	Total . . . . .	63,623,868

According to an official report the consolidated debt of Servia amounted (January 1894) to 340,692,542 dinars. Of this amount 154,485,000 dinars are railways loans.

### Defence.

There are fortresses at Belgrade, Semendria, Nisch, Schabatz, Kladovo, Bela Palanka, and Pirot.

The King is Commander-in-Chief of the army, which in time of peace is under the entire control of the Minister of War. The whole army is divided into three classes. The first, the standing army and its reserves, according to the reorganisation of 1886, consisting of men from 20 to 28 years of age; the second class is composed of those who have served in the active army, from 28 to 37 years of age; the third class, from 37 to 50 years of age, only called on under extraordinary necessity. The first class has 5 divisions, 1 active; the second, 5 divisions; the third, 60 battalions; and each of these has its assigned district. Each division (called Moravska, Drinska, Dounavska, Shumadiska, and Timochka) of the first and second class has 3 regiments of infantry, and each regiment consists of 4 battalions; consequently each division consists of 3 regiments of infantry = 12 battalions; 1 regiment of cavalry = 12 squadrons; 1 field artillery regiment = 8 batteries; 1 company of pioneers and pontooneers; 1 field ambulance company; 1 transport squadron; 1 regiment of fortress artillery; besides various special companies. All males of 20 years, with few exceptions, are obliged to serve in these classes. After two years' service in the active army they pass into the reserve of the first class. Reserves of the first class have 30 days' service

annually, and the second class is called up for 8 days annually. The standing cadre of the army consists of 15 battalions of infantry, 6 squadrons of cavalry, 30 field batteries, 3 mountain batteries, 1 fortress half-battalion, 1 pioneers battalion, 1 pontooneers half-battalion, 5 sanitary companies, 5 transport squadrons, and 1 pyrotechnic company. The battalions are in 5 regiments, and every territorial division has thus 1 regiment. Every division has also 1 regiment of 4 field batteries. All the batteries have 6 guns each. The strength of the standing cadre is about 18,000 men. On active footing the cadre is augmented by its first-class reserve, and thus raised to a strength of 100,000 men. The strength of the second class is 55,000 men. The third class has 12 battalions in each division, and has also a strength of about 55,000 men. This whole army of three classes, numbering together 210,000 men, is always in whole or in part on either a peace, an extraordinary, or a war footing, and either class is available for active service as required for the defence of the country when called on by the royal ukase in conformity with the law. Officers 900. A gendarme force of about 800 strong has been distributed throughout the country since 1883. There are 110 batteries of 6 guns each—52 batteries (45 field and 7 mountain) being of the 'De Bange' pattern. These guns were made in France at the Caille factory. The infantry are armed with the Koka-Mausser rifles, and the cavalry with carbines of the same pattern. The Government possesses 130,000 of these rifles.

### Production and Industry.

Servia is an agricultural country, and has almost no manufacturing industry. There are no large estates in Servia; every peasant cultivates his own freehold. The holdings vary in size from 10 to 30 acres mostly.

According to a return of 1887, of the total area (over 12,000,000 acres) 6,125,931 acres were cornland and vineyards; 1,456,132 woods and forests; 902,627 fallow land; 741,086 lands reserved for public roads and State forests, the total occupied area being 10,566,488 acres. For the different cereals the area (in hectares) and the produce (in thousands of kilogrammes) in 1889 were: maize, area 298,496, produce 477,593; wheat, area 186,860, produce 249,310; rye, area 25,769, produce 27,500; barley and oats, area 99,157, produce 118,093.

Vine-culture is important, but the wines are not well treated. The annual produce is about 6,000,000 gallons, about one-third of which is exported.

About 185,000 acres are under orchard. In 1888 25,000 tons of plums were produced and 16,942 tons exported.

Large numbers of cattle, sheep, and pigs are reared and exported. On January 1st, 1891, there were in Servia 163,391 horses; 1,588 asses and mules; 819,251 head of cattle, 8,494 buffaloes; 2,963,904 sheep; 908,603 pigs; and 509,738 goats. Establishments for breeding and feeding pigs have been erected at various places in connection with the line of railway.

The forests of Servia are undergoing rapid destruction. The national and communal forests are supervised by the administrative authorities. Cask staves are exported to Austria in great quantities.

Servia has considerable mineral resources, including various kinds of coal, but almost entirely undeveloped; besides coal there are iron, lead, quicksilver, antimony, gold, asbestos, copper, and oil shales. Various concessions have been made to private companies for working mines.

Manufacturing industry is in its infancy. There were 12 breweries at the end of 1888.

**Commerce.**

The following table shows the value of the imports and exports of Servia for five years :—

Year	Imports	Exports
	Dinars	Dinars
1889	34,843,436	39,065,883
1890	38,044,748	45,840,550
1891	42,806,000	52,480,000
1892	37,069,634	46,451,656
1893	40,922,584	78,910,435

In 1893 the transit trade amounted to 16,349,000 dinars.

The following table shows the value of the leading imports and exports in 1893 :—

	Imports	Exports
	Dinars	Dinars
Agricultural produce and fruits . . . . .	1,461,752	21,712,450
Animals and animal produce . . . . .	501,637	20,623,497
Colonial produce . . . . .	4,669,087	2,261
Hides, skins, leather, &c . . . . .	3,009,488	2,426,000
Cotton goods . . . . .	7,567,854	1,148,025
Wool and woollen goods . . . . .	2,822,416	41,397
Foods and drinks . . . . .	2,277,852	1,091,512
Metals . . . . .	3,908,393	245,073
Apparel . . . . .	1,459,869	8,146
Pottery, glass, &c. . . . .	1,914,733	915,133
Wood and wood-work . . . . .	2,370,087	421,914

The following table shows the value of the trade with different countries in thousands of dinars for three years :—

Countries	Imports from			Exports to		
	1891	1892	1893	1891	1892	1893
Austria . . . . .	28,903	21,955	23,756	45,154	40,749	43,196
America . . . . .	1,447	1,612	1,595	325	—	—
Belgium . . . . .	261	517	388	—	19	39
Bosnia . . . . .	60	103	65	294	174	153
Bulgaria . . . . .	154	92	91	887	487	667
Greece . . . . .	64	91	65	—	—	—
Great Britain . . . . .	4,323	3,759	4,548	110	29	33
Italy . . . . .	548	701	1,540	31	21	60
Germany . . . . .	1,798	3,846	4,097	1,538	1,184	1,656
Roumania . . . . .	1,190	892	620	210	545	826
Russia . . . . .	1,314	719	735	—	—	—
Turkey . . . . .	2,055	1,775	2,486	1,800	2,962	2,099
France . . . . .	175	478	476	2,073	282	178
Switzerland . . . . .	514	518	461	58	—	4
Total . . . . .	42,806	37,062	40,923	52,480	46,152	48,910

### Communications.

Servia has at present (1893) one principal railway line, Belgrade-Nisch-Vranja, 230 miles in length, and several secondary branches; Nisch-Pirot, 59 miles; Smederevo-Velika Plana, 28 miles; Lapovo-Kragonjevat, 19 miles; total 336 miles. Cost of construction up to 1892, 90,810,708 dinars.

Of highways there are 3,495 miles. Of rivers only those bordering on Servia are navigable, viz. Danube, 198 miles; Save, 90 miles; and Drina, 106 miles. The navigation on the Danube and Save is in the hands of several foreign steam companies. The State possesses only one steamer, which is used exclusively for military purposes.

There were 1,916 miles of telegraph line and 4,073 miles of wire, with 136 stations, at the end of 1893. In 1893, 923,412 messages were transmitted.

There were 157 post-offices in 1893. In 1893 there were 17,261,300 transmissions by letter and book post; the value sent by parcel post was 244,261,100 dinars. The post and telegraph receipts for 1893 amounted to 2,026,102 dinars, and expenditure to 1,401,200 dinars.

### Money and Credit.

Servia has a coinage of its own, minted according to the International Coinage Convention of December 11 and 23, 1865. In circulation are gold coins (milan d'or) of 10 and 20 dinars apiece; silver coins of 5, 2, 1, and 0.5 dinar; copper of 10, 5, and 1 para; and nickel of 20, 10, and 5 paras. A sum of 22,734,737 dinars has been minted up to the present (1889) and put into circulation.

Public credit is assisted by various monetary establishments, of which, in 1890, there were 43. The principal place is occupied by the first privileged National Bank of the Kingdom of Servia in Belgrade, with a paid-up capital of 20,000,000 dinars. It is entitled to issue bank notes, of which there are (1889) 28,597,840 dinars in circulation, with a metallic reserve of 4,596,000 dinars. Besides the National Bank there were in 1893 5 bank establishments, 21 bank associations, and 27 savings-banks.

### Money, Weights, and Measures.

Servia accepted, by the law of June 20, 1875, the French decimal system for its moneys, weights, and measures. The Servian dinar is equal to one franc; the gold milan to French gold pieces of 20 francs; there are also silver coins of 5, 2, and 1 dinar, and 50 centimes (para), and copper and nickel coins of 20, 10, and 5 centimes.

The decimal weights and measures (kilogram, metre, &c.) have been in practical use only since the commencement of 1883.

### Diplomatic and Consular Representatives.

#### 1. OF SERVIA IN GREAT BRITAIN.

*Chargé d'Affaires.*—M. Ivan Pavlovitch.

*Consul-General for London.*—H. W. Christmas.

There are Consular representatives of Servia in Manchester, and Melbourne, Australia.

#### 2. OF GREAT BRITAIN IN SERVIA.

*Envoy Extraordinary and Minister Plenipotentiary.*—Edmund D. V. Fane, appointed January 1, 1893.

*Second Secretary.*—A. F. G. Leveson-Gower.

*Consul.*—R. D. G. Macdonald.

## Statistical and other Books of Reference concerning Servia.

### 1. OFFICIAL PUBLICATIONS.

- Almanac for 1894 (Servian).  
 Srpské Noviné (Official Gazette).  
 Drzavopis Srbije (Servian Statistics). Vols. I.—XIX. Belgrade, 1863-93.  
 Statistike Kraljevine Srbije. (Statistique du Royaume de Serbie.) Vols. I.—III. Belgrade, 1892-93.  
 Foreign Office Reports. Annual Series. 8. London.  
 Handbook of the Armies of the Minor Balkan States. By E. C. Callwell. Issued by the Intelligence Division, War Office. 8. London, 1891.

### 2. NON-OFFICIAL PUBLICATIONS.

- Balme* (M.), La principauté de Serbie. 8. Paris, 1880.  
*Boskovitch* (St.), La mission de Serbie dans la question d'Orient. Florence, 1887.  
*Coquelle* (P.), Le Royaume de Serbie. 12. Paris.  
*Courrière* (C.), Histoire de la littérature contemporaine chez les Slaves. Paris, 1879.  
 "For the King and Fatherland" (in Servian), a semi-official publication, relating the historical events of the 1st and 2nd April, 1893.  
*Gambier* (J. W., Captain, R. V.), Servia. London, 1878.  
*Holland* (Thomas Erskine), The European Concert on the Eastern Question. Oxford, 1885.  
*Jakchich* (Vladimir), Recueil statistique sur les contrées serbes. 8. Belgrade, 1875.  
*Kanitz* (F.), Serbien: Historische-ethnographische Reisedudien aus den Jahren 1859-68. 8. Leipzig, 1868.  
*Karič* (V.), Srbija (a description of the country, people, and state, in Servian). Belgrade, 1888.  
*Laveleye* (Emile de), The Balkan Peninsula. 2 vols. London, 1887.  
*Mackenzie* (A. Muir), Travels in the Slavonic Provinces of Turkey in Europe. 3rd edition. 2 vols. London, 1887.  
*Mijatovitch* (Elodie Lawton), The History of Modern Serbia. 8. London, 1872.  
*Milichevich* (M. G.), The Principality of Servia. (In Servian.) Belgrade, 1876.  
*Milichevich* (M. G.), The Kingdom of Servia. (In Servian.) Belgrade, 1884.  
*Millet* (René), La Serbe économique et commerciale. Paris, 1889.  
*Minchin* (J. G. C.), The Growth of Freedom in the Balkan Peninsula. London, 1886.  
*Otdaghina* (the Fatherland). Servian Monthly Periodical. Edited by Dr. Vladan Georgevich since 1875.  
*Pearson* (Miss E. M.) and *McLaughlin* (Miss L. E.), Service in Servia under the Red Cross. London, 1877.  
*Ranke* (Leopold), The History of Servia and the Servian Revolution. London, 1853, translated by Mrs. Alex. L. Kerr.  
*Rénach* (J.), La Serbie et le Monténégro. Paris, 1876.  
*Right* (Dr. Alfred), Adventures in Servia. London, 1884.  
*Salisbury* (Philip H. B.), Two months with Tchernajeff in Servia. London, 1877.  
*Taillandier* (Saint-René), La Serbie au XIXe siècle. Paris, 1872.  
*Yorvanovich* (Vladimir) Les Serbes, &c. Paris, 1870.

## SIAM.

(SAYAM, OR MUANG-THAI.)

### Reigning King.

**Chulalongkorn I.** (Somdetch Phra Paramindr Maha), born September 21, 1853; the eldest son of the late King, Maha Mongkut, and of Queen Ramphüi (Krom Somdetch Pratape Sirindr); succeeded to the throne on the death of his father, October 1, 1868.

### Children of the King.

*Children of H.M. the Queen.*

- I. Prince Chowfa Sammodh-Diwongse Varotai, born June 9, 1881.
- II. Princess Walai-alongkorn, born April 1883.
- III. Princess Sirapornsophon, born July 9, 1887.

*Children of the Second Queen.*

- I. Prince Chowfa Maha Vajiravudh, January 1, 1880 (Crown Prince).
- II. Prince Chowfa Chakrapongse Poowanarth, March 3, 1881.
- III. Prince Chowfa Asadang Dajarvoot, May 1889; and others.

*Brothers of the King.*

I. Somdetch Chowfa Chaturant Rasmı, born January 14, 1857.  
*Title:* Krom Pra Chakrabadipongse.

II. Somdetch Chowfa Bhanurangsi Swangwongse, born January 13, 1860. *Title:* Krom Pra Bhanupandhwongse Varadej.

There are also twenty half-brothers of the king.

The royal dignity is nominally hereditary, but does not descend always from the father to the eldest son, each sovereign being invested with the privilege of nominating his own successor. The reigning king has reintroduced the practice of nominating the Crown Prince, early in his reign, the child chosen for this dignity being the eldest son of the Queen. This step, taken in 1887, will have the effect of increasing the stability and order of things, and of establishing the reigning dynasty.

### Government.

According to the law of May 8, 1874, the legislative power is exercised by the King in conjunction with a Council of Ministers (Senabodi), who have charge of the departments of War and Marine, Foreign Affairs, Home Government, Justice, Agriculture, the Royal House, and Finance. The Council of State consists of the ministers, 10 to 20 members appointed by the King, and 6 princes of the royal house. The formation of a Cabinet has been inaugurated, including: Ministers of Foreign Affairs, Justice, Public Instruction, Finance, Public Works, War, Home Affairs, and Police and Gaol Commissioner; each portfolio being held by one of the King's half-brothers. The advantage lies in the tendency towards clearer demarcation of responsibility and of departmental control.

Kedah, Patani, Kelantan, and Tringganu, in the Malay Peninsula, acknowledge the sovereignty of Siam, and send revenues to Bangkok. The Laos (Shan) States of Luang Prabang, Chiengnai, Lakon, Lamphoonchi, Nan, Preë, and others stand in a similar position towards the Government in Bangkok.

The Siamese dominions are divided into 41 provinces or districts, each having a Governor, deriving authority direct from the King, and having under him subordinate governors over the various parts of his district. Of these provinces or districts the authority is divided thus:—*Under the Minister of the North.*—(a) Thirty-seven first-class districts, with Siamese Governors, having numerous sub-districts. (b) Thirty-seven first-class districts, with Laosian Governors, having numerous sub-districts. *Under the Minister of the South.*—(c) Nineteen first-class districts, with Siamese Governors, having numerous sub-districts. (d) Twelve first-class districts, with Malay Governors or rajahs, as the case may be.—*Under the Minister of Foreign Affairs.*—(e) Twelve other districts with Siamese Governors. These three ministers usually remain in Bangkok, and make occasional tours. Several of the tributary districts are administered by their own princes; but of late years centralisation has greatly increased. Commissioners, chosen by the King, are now frequently sent from Bangkok to these tributary provinces, both to those in the north, as Chiengmai, and those in the south, as Singora, and others, with very full powers.

### Area and Population

The limits of the Kingdom of Siam have varied much at different periods of its history, most of the border lands being occupied by tribes more or less independent. The boundary between Burma and N.W. Siam was delimited in 1891 by a Commission, and, by the treaty of September, 1893, the River Mekong was constituted the boundary between Siam and the French possessions. The total area, including the country between the Mekong and the Annam hills, now acknowledged to belong to France, is estimated at about 300,000 square miles, about 60,000 square miles being in the Malay Peninsula. British and French commissioners have been appointed to inquire on the spot into the possibilities of establishing a neutral state between the British and French territories north of Siam. Mr. J. G. Scott, C.I.E., the British commissioner, left Bangkok on October 23, 1894, to meet the French commissioners at Muang Sing during the first week in January. The territory appropriated by France in 1893 covers about 100,000 square miles, leaving 200,000 square miles as the area which remains to Siam. The numbers of the population are still more imperfectly known than the extent of territory, and the difficulty of any correct result is the greater on account of the Oriental custom of numbering only the men. The latest foreign estimates give the population of the Kingdom, before the French annexation, as follows, in round numbers:—2,500,000 Siamese; 1,000,000 Chinese; 2,000,000 Laotians; 1,000,000 Malays; immigrant Burmese, Indians, and Cambodians bringing the total up to about 8,000,000. The total population of Siam as it now stands may be estimated at 5,000,000. The most populous region is the Menam valley. Bangkok, the capital, has about 200,000 inhabitants. Siam is called by its inhabitants Thai, or Muang-Thai, which means 'free,' or 'the kingdom of the free.' The word Siam is probably identical with Shan, applied in Burma to the Lao race, as well as to the Shan proper and the Siamese.

The prevailing religion is Buddhism. In recent years the results of Western civilisation have to some extent been introduced. Some few young

Siamese have been sent to schools, and also to study at arts and technical trades, and the leading professions in England, Germany, and France.

Education has been making considerable advance of late years. The capital possesses three large Government schools, where English is taught. Siamese education has been systematised and reduced to a code. Throughout the country it is still chiefly in the hands of the priests. The Siamese language is now firmly established as the official language over the whole country. The Minister of Public Instruction has also under his charge several large Government hospitals, which have been lately established by the King.

### Finance.

The King's revenue may be estimated at about 2,000,000*l.* a year, of which sum the land tax produces 287,000*l.*; tax on fruit trees, 65,000*l.*; spirits, 100,000*l.*; opium, 120,000*l.*; gambling, 100,000*l.*; customs, 143,000*l.*; tin-mines, 90,000*l.*; edible birds'-nests, 27,000*l.*; fisheries, 27,000*l.* All the taxes, with the exception of the customs duties, are farmed. There is no public debt, and power has only lately been granted to the Hong Kong and Shanghai Bank's local branch to issue a limited amount of paper money. The expenditure is stated to keep within the receipts.

### Defence.

There is a standing army of about 12,000 men, and the people generally are liable to be called out as required, but there is no armed militia. Every male from the age of 18 to 21 years is obliged to serve as a recruit for three years, and afterwards to serve for three months after every twelve. The following individuals are, however, exempted:—Members of the priesthood, the Chinese settlers who pay a commutation tax, slaves, public functionaries, the fathers of three sons liable to service, and those who purchase exemption by a fine of from six to eight ticals a month, or by furnishing a slave or some other person not subject to the conscription as a substitute. It is stated that the Government possesses upwards of 80,000 stand of arms, besides a considerable stock of cannon. The army is to some extent officered by Europeans, and has very largely increased of late years in efficiency and in numbers, and in the character of its equipments.

Siam possesses 2 screw corvettes, of 1,000 tons and 8 guns each, several gunboats (mostly in bad condition), officered chiefly by Europeans, and some sea-going steam yachts. To these she has recently added (1892) the cruiser-yacht *Maha Chakreri*, a ram-ship, of 2,400 tons, 298 feet long, and 40 feet beam, having a speed of 15 knots, and armed with 4 4·7 inch Armstrongs and 8 6 pdr. quick-firers. She has two fighting masts. The small cruiser *Makut Rajakamar* was bought in 1891. At the mouth of the Menam river are the Paknam forts. The river has a bar which prevents ships of more than 13 feet draught from ascending to Bangkok.

### Production and Industry.

There is comparatively little industry in the country, mainly owing to the state of serfdom in which the population is kept by the local governors. Throughout the whole of Siam the natives are liable to forced labour for a certain period of the year, varying from one to three months, in consequence of which the land, rich in many parts, is badly cultivated. This state of things will no doubt be greatly ameliorated as soon as means of transit to the port and the capital are improved. Domestic slavery is in gradual process of abolition, such slavery as exists being entirely debt slavery. By an edict of the present King no person born on or after his Majesty's accession



can be legally held in slavery beyond the age of 21. But free labour is still very hard to obtain in any quantities. Chinese coolies do the chief part of both skilled and unskilled labour in the south, especially in the mills and in mining; while in the north forest work is confined almost entirely to Burmese, Karens, and Khamus. Probably not more than one-twentieth of the land in the delta of the Mênam has hitherto been under cultivation; but at the head of the delta many canals for irrigation have recently been dug, and the region has thus been rendered fit for rice-growing. The chief product of the country is rice (775,701 tons in 1893), which forms the national food and the staple article of export. Other produce is pepper (1,147 tons exported in 1892), salt, dried fish, cattle, and sesame; while, for local consumption only, hemp, tobacco, cotton, and coffee are grown. Fruits are abundant, including the durian, mangosteen, and mango. Much of Upper Siam is dense forest, and the cutting of teak is an important industry. Gold exists in some of the rivers, for the working of which concessions have been granted to British and French companies. Gem-mining is carried on in various districts in Eastern Siam. Tin and coal are known to exist in the Malay Peninsula.

**Commerce.**

Nearly the whole of the trade is in the hands of foreigners, and in recent years many Chinese, not subject like the natives to forced labour, have settled in the country. The foreign trade of Siam centres in Bangkok, the capital.

In 1892 the imports amounted to 1,295,964*l.*; in 1893 to 2,259,078*l.* In 1892 the exports amounted to 1,386,560*l.*; in 1893 to 4,457,114*l.* The chief imports and exports in these two years were as follows:—

Imports.	1892	1893	Exports.	1892	1893
	£	£		£	£
Cottons . . .	292,601	319,653	Rice . . .	956,075	3,297,237
Hardware . . .	83,748	75,533	Teak . . .	62,793	92,750
Kerosene . . .	50,001	41,399	Pepper . . .	53,482	65,928
Silks . . .	48,977	59,626	Salt-fish . . .	37,494	328,097
Sugar . . .	48,686	25,819	Woods . . .	31,825	17,618
Jewellery . . .	47,057	66,192	Bullocks . . .	27,390	30,094
Cotton yarn . . .	41,978	39,161	Teel seed . . .	23,108	3,776
Opium . . .	35,406	59,707	Mussels . . .	22,407	5,537
Crockery . . .	35,197	34,235	Hides . . .	20,005	22,497
Gunny bags . . .	29,318	101,493	Dried fish . . .	11,054	337,161

In 1893 of the imports the value of 1,088,296*l.* was from Singapore, and 652,156*l.* from Hong Kong; of the exports 1,648,563*l.* was to Singapore, and 2,061,248*l.* to Hong Kong. There is, in addition to the Bangkok trade, a considerable trade on the northern frontiers with the British Shan states and Yunnan.

The trade of the United Kingdom with Siam, according to the Board of Trade Returns, was as follows during the last five years:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Siam into U. K. . . . .	290,566	193,146	100,695	52,205	46,995
Exports of British produce to Siam . . .	70,299	75,802	98,759	110,120	85,961

The chief articles of direct import from Siam into Great Britain in the year 1893 were rice, valued at 31,002*l.*, and hewn teak-wood, valued at 8,856*l.* Among the direct exports of British produce to Siam the chief articles in 1893 were machinery and mill-work, of the value of 7,366*l.*; iron, wrought and unwrought, 10,742*l.*; cottons, 12,447*l.*; hardware, 1,174*l.* There is a large importation of British piece-goods, transhipped at Singapore.

### Shipping and Communications.

In 1892, 292 vessels of 209,745 tons (248 of 182,354 tons British) entered, and 288 of 201,145 tons (242 of 174,555 tons British) cleared at the port of Bangkok.

The railway from Bangkok to Paknam (14 miles) was opened in April, 1893. In 1888 a survey for a railway from Bangkok to Chiangmai and other northern and eastern provinces of Siam was commenced; a line from Bangkok to Ban Mai on the Patiew river has been sanctioned; a railway is being constructed from Bangkok to Korat (165 miles), a very rich undeveloped rice-growing plateau, the line passing through excellent timber country. A concession has also been given, and the survey executed, for a railway across the Malay Peninsula from Singora to Kota Star, and thence to Kulim, a distance of 136 miles. There is an electric tramway in Bangkok, worked successfully.

Telegraph lines have been completed to the total length of 1,780 miles, and Bangkok is now in communication with Chiangmai, Nakhon-Lampang, Korat, Nong-Khai, Sesopone, Chantabun, and Bangtaphan; with Moulmein, and Tavoy in Lower Burma; and with Saigon in Anam; though the working of the lines is subject to interruption. The extension of the telegraph system is being vigorously pushed forward; the section from Bangkok to Ayuthia will probably be open in July 1895, and from Ayuthia to Hinlap at the end of 1895.

There is a postal service in Bangkok, and in 1885 Siam joined the International Postal Union. The mail service down the Malay Peninsula, and also towards the north of Siam, has been largely developed. Post offices, 1890, 98; letters &c. transmitted, internal 189,993, external 219,170. In 1890 a parcel post service was established having connection with Singapore and the international system.

### Money, Weights, and Measures.

#### MONEY.

The *Tical*, or *Bat* . = 64 *Atts*, or 60 cents of a Mexican dollar; average rate of exchange, 1*s.* 8*d.*

4 *Ticals* . . = 1 *Tamlung*.

80 *Ticals* . . = 1 *Catty*: these two last are moneys of account.

The legal money of Siam is the tical, a silver coin, weighing 236 grains troy, .910 fine. Other silver coins from the Siamese mint now current are the salung and the fuang, the former one-fourth, the latter one-eighth of a tical. Dollars are accepted in payment at the rate of 3 dollars for 5 ticals. In 1891 bronze coinage to the value of 400,000 ticals was executed at Birmingham. The Siamese mint is about to be extended for the coinage of gold, silver, and bronze pieces. Paper money is current, the notes being of the value of 1, 5, 10, 20, 40, 80, 400, and 800 ticals.

## WEIGHTS AND MEASURES.

1 *Chang* = 2 $\frac{3}{4}$  lbs. avoirdupois ; 50 *Chang* = 1 hap. or 133 $\frac{1}{2}$  lbs. ; 1 *Niu* = 1.66 English inch ; 1 *Keup* = 12 *Niu* ; 1 *Sok* = 2 *Keup* ; 1 *Wah* = 2 *Sok* ; 1 *Sen* = 20 *Wa* ; 1 *Wah* = 80 English inches ; 1 *Yot* = 400 *Sen*.

**Diplomatic and Consular Representatives.**

## 1. OF SIAM IN GREAT BRITAIN.

*Envoy and Minister*.—The Marquis de Maha Yotha, May 14, 1892.

*Secretary of Legation*.—Count Montri.

*English Secretary*.—Frederick W. Verney.

*Attachés*.—Baron Nephath and Baron Yote Yothee.

## 2. OF GREAT BRITAIN IN SIAM.

*Chargé d'Affaires and Consul-General*.—M. W. E. de Bunsen, appointed August 6, 1894.

*Vice Consul at Bangkok, and Acting Consul*.—W. R. D. Beckett.

*Consul*.—E. H. French (on leave).

*Vice-Consul at Chiengmai*.—W. J. Archer.

*Consul for Kedah, &c.*—Allan M. Skinner, C.M.G. (Penang).

**Statistical and other Books of Reference concerning Siam.**

Report on the Trade of Bangkok and of Chiengmai for 1892, No. 1267 of Foreign Office Reports, Annual Series. London, 1893.

Trade of Siam with Great Britain in 'Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1892.' 4. London, 1893.

*Alabaster* (Henry), The Wheel of the Law. 8. London, 1871.

*Bastian* (Adolf), Die Völker von östlichen Asien : Studien und Reisen. 6 vols. 8. Leipzig, 1866-1871.

*Bastian* (Adolf), Geographische und Ethnologische Bilder. 8. Jena, 1873.

*Bock* (Carl), Temples and Elephants. 1 vol. 8. London, 1884.

*Bowring* (John), The Kingdom and People of Siam. 2 vols. 8. London, 1857.

*Coit* (Mary L.), Siam, the Heart of Farther India. American Missionary Publication.

New York.

*Colquhoun* (A. R.), Among the Shans. London, 1885.

*Crawford*, Journal of an Embassy to Siam and Cochinchina. 2 vols. 8. 2nd edition, 1830.

*Doudart de Lagrée*, Voyage d'exploration dans l'Indo-Chine. 2 vols. 4. Paris, 1873.

*Gordon* (Robert), The Economic Development of Siam, in the Journal of the Society of Arts, No. 1,998, vol. xxxix. London, 1891.

*Gréhan* (A.), Le royaume de Siam. 8. Paris, 1868.

*La Loubère*, Description du royaume de Siam. 12. Paris and Amsterdam, 1691.

*La Loubère*, A new Historical Relation of the Kingdom of Siam. Folio. London, 1693.

*Leonovens*, The English Governess at the Siamese Court. 8. Boston (Mass.), 1870.

*Macarthy* (J.), Paper on Proceedings of the Royal Geographical Society, March 1888.

*Mouhot* (Henry), Travels in the Central Parts of Indo-China (Siam), Cambodia and Laos, during the years 1858-1860. 2 vols. 8. London, 1864.

*Palgrave* (W. G.), Ulysses. [Chapter on Phra-Bat] 8. London, 1887.

*Pallegoix* (D. J.), Description du royaume de Thai ou Siam. 2 vols. 8. Paris, 1854.

*Reclus* (Elisée), Nouvelle géographie universelle. Vol. VIII. L'Inde et l'Indo-Chine. Paris, 1883.

*Satow* (E. M.), Essay towards a Bibliography of Siam. Singapore, 1886.

*Scherzer* (Dr. K. von), Die wirtschaftlichen Zustände im Süden und Osten Asiens. 8. Stuttgart, 1871.

*Thomson* (John), The Straits of Malacca, Indo-China, and China, or Ten Years' Travels Adventures, and Residence Abroad. 8. London, 1875.

*Vincent* (Frank), The Land of the White Elephant. New York, 1889.

*Younghusband* (G. J.), Eighteen Hundred Miles in a Burmese Tat, through Burmah, Siam, and the Eastern Shan States. 8. London.

## SOUTH AFRICAN REPUBLIC.

### Constitution and Government.

THE South African Republic, also known as the Transvaal, was originally formed by part of the Boers, who left the Cape Colony in 1835 for Natal, but quitted that colony on its annexation to the British Crown. In 1852 the independence of the Transvaal was recognised by the British Government, and the constitution of the State is based on the 'Thirty-Three Articles,' passed May 23, 1849, and the 'Grondwet,' or Fundamental law of February 13, 1858.

On April 12, 1877, the Transvaal was annexed by the British Government, against which in December 1880 the Boers took up arms, and a treaty of peace was signed March 21, 1881. According to the convention ratified by the Volksraad, October 26, 1881, self-government was restored to the Transvaal so far as regards internal affairs, the control and management of external affairs being reserved to Her Majesty as suzerain. A British resident was appointed, with functions analogous to those of a Consul-General and Chargé d'Affaires. Another convention with the Government of Great Britain was signed in London February 27, 1884, ratified by the Volksraad, August 8, by which the State is to be known as the South African Republic, and the British suzerainty considerably restricted. Instead of a Resident the British Government is represented by a Diplomatic Agent.

The Constitution has been frequently amended down to September 1894. The supreme legislative authority is vested in a Parliament of two Chambers, each of 24 members, chosen by the districts. Bills passed by the second Chamber do not become law until accepted by the first. Members of both Chambers must be 30 years of age, possess fixed property, profess the Protestant religion, and never have been convicted of any criminal offence. The members of the first Chamber are elected from and by the first-class burghers, those of the second Chamber from and by the first and second-class burghers conjointly, each for 4 years. First-class burghers comprise all male whites resident in the Republic before May 29, 1876, or who took an active part in the war of independence in 1881, and their children from the age of 16. Second class burghers comprise the naturalized male alien population and their children from the age of 16. Naturalization may be obtained after two years' residence, and registration on the books of the Fieldcornet, oath of allegiance, and payment of 2*l*. Naturalized burghers may, by special resolution of the first Chamber, become first-class burghers 12 years after naturalization. Sons of aliens, though born in the Republic, have no political rights, but, by registration at the age of 16, may, at the age of 18, become naturalized burghers, and may, by special resolution of the first Chamber, be made first-class burghers 10 years after they are eligible for the second Chamber, or at the age of 40. The President and Commandant-General are elected by the first-class burghers only; District-Commandants and Fieldcornets by the two classes of burghers conjointly. The Executive is vested in a President, elected for five years, assisted by a council consisting of three official members (the State Secretary, the Commandant-General, and the Minute-keeper), and two non-official members elected by the first Volksraad.

*State President.*—S. J. Paul Krüger, elected for the third time May 12, 1893.

*Executive Council.*—Official members: P. J. Joubert, Com.-Gen.; Dr. W. J. Leyds, State Sec.; J. H. M. Kock, Minute Keeper. Unofficial: N. J. Smit (Vice-President), M. A. Wolmarans.

### Area and Population.

The area of the Republic is 119,139 square miles, divided into 19 districts, and its white population, according to the rather incomplete census of

April 1, 1890, 119,128, of whom 66,498 are men and 52,630 women; the native population in April, 1894, was estimated at 370,148. These figures, however, can be regarded as only approximate until a better census is taken. The boundaries of the State are defined in the convention of February 27, 1884—since altered by a supplementary convention, by which the former New Republic (Zululand) was annexed to the South African Republic as a new district, named Vrijheid, and by the terms of the Convention regarding Swaziland, ratified by the Volksraad, August 20, 1890, by which a small portion of Swaziland becomes part of the Transvaal. The seat of government is Pretoria, with a white population of 5,000. The largest town is Johannesburg, the mining centre of Witwatersrand goldfields, with a population of 40,215 and a floating population of 30,000 in the goldfields along the Rand. The bulk of the population of the Republic are engaged in agriculture.

### Religion.

The United Dutch Reformed Church is the dominant religious body, claiming 50,000 (1891) of the population; other Dutch Churches, 18,100; English Church, 6,581; Wesleyans, 3,866; Catholic, 3,000; other Christian Churches, 1,500; Jews, 2,000.

### Instruction.

There are 12 English schools in Pretoria, and one or more in each of the other towns. According to the report of the Superintendent of Education for the year 1893, the sum of 26,916*l.* was spent for the education of 5,909 pupils. In 1893 there were 59 village schools and 353 ward schools, besides a gymnasium with 19 pupils at Pretoria.

### Finance.

The following table shows the ordinary revenue and expenditure for the last 5½ years:—

—	1889	1890	1891	1892	1893	(6 months) 1894
	£	£	£	£	£	£
Revenue .	1,577,445	1,229,060	967,191	1,255,829	1,702,684	1,096,803
Expenditure	1,226,135	1,531,461	1,350,073	1,188,765	1,302,054	652,976

The credit balance being on June 30, 1894, 909,417*l.* The revenue is derived from land sales, quit-rents, customs, hut-tax, stamps, transport dues, and principally from revenue on the goldfields. The revenue derived from goldfields for the year 1889 amounted to 727,132*l.*; for 1890, 492,830*l.*; for 1891, 405,397*l.*; for 1892, 636,313*l.*; for 1893, 581,977*l.*; and for the first six months of 1894, 501,539*l.* The proved estimates for the complete year 1894 are set down as revenue 1,859,582*l.*, and expenditure 1,595,757*l.*

The public debt on September 15, 1894, was 9,458,966*l.*, including *direct* liabilities to the British Crown 192,300*l.*, and Rothschild loan, 2,500,000*l.*, and *indirect* liabilities of guaranteed railway loans of 6,766,666*l.* The State lands were valued in 1884 at 400,000*l.*, but may now be valued at some millions, as the principal goldfields at Barberton are on Government lands. The debt due to Great Britain bears interest at 3½ per cent., and is to be extinguished by a sinking fund of 3*l.* 0*s.* 9*d.* per cent. in twenty-five years.

### Defence.

The Republic has no standing army, with the exception of a small force of horse artillery, all able-bodied citizens being called out in case of war.

According to the census of 1890, the number of able-bodied men between 16 and 60 years amounts to 23,923.

### Production and Industry.

The South African Republic is specially favourable for agriculture as well as stock-rearing, though its capacities in this respect are not yet developed. It is estimated that 50,000 acres are under cultivation. The agricultural produce, however, is not sufficient for the wants of the population. There are about 30,000 farms, 16,000 of which belong to private individuals, and the rest to the State.

Gold-digging is carried on to a great extent in the various goldfields, principally Barberton and Witwatersrand. The export of gold through Natal and the Cape Colony amounted in 1890 to 1,851,905*l.*, in 1891 to 2,901,470*l.*, in 1892 to 4,479,309*l.*, in 1893 to 5,472,997*l.* The output of W. W. Rand alone amounted to 230,640 oz. (value 807,240*l.*) in 1888, to 382,364 oz. (value 1,338,274*l.*) in 1889, to 492,492 oz. (value 1,730,372*l.*) in 1890, in 1891 to 729,223 oz. (value 2,552,333*l.*); in 1892, 1,210,865 oz. (value 4,297,610*l.*); in 1893, 1,478,477 oz. (value 5,187,206*l.*), and for the first eight months of 1894, 1,316,666 oz. (value 4,608,331*l.*). The total output of the Republic in 1891 was 833,632 oz. (value 2,917,702*l.*); in 1892, 1,325,394 oz. (value 4,638,879*l.*); in 1893, 1,610,335 oz. (value 5,636,122*l.*). Excellent coal is worked in the east of the country; iron is also known to abound, while silver is worked in a mine close to Pretoria, the output for 1893 being 9,053 tons (value 18,500*l.*).

### Commerce.

The principal exports are wool, cattle, hides, grain, ostrich feathers, ivory, gold, and other minerals. The imports on which dues were charged amounted in 1892 to 3,498,801*l.*; in 1893 to 5,371,701*l.* The import duties amounted in 1892 to 441,436*l.*; in 1893, 692,831*l.*, and for the first seven months of 1894 to 458,116*l.*

### Communications.

The southern boundary of the South African Republic is about 220 miles from Durban, 536 from Port Elizabeth, and 698 from Cape Town; while its eastern boundary is not 40 miles from Delagoa Bay. A railway of 334 miles, through the Orange Free State, from Norvalspont, Orange River, *viâ* Bloemfontein, to Vaal River, constructed by the Cape Colony Government, has by agreement with the South African Republic been continued to Pretoria, *viâ* Germiston, (78 miles and 1040 miles from Capetown). The Natal line now being built terminates at Charlestown, about 161 miles from Elsburg, near Germiston. Of the line from the Portuguese boundary to Pretoria (295 miles), 243 miles were finished in September, and the whole line was expected to be opened about the end of 1894. Of the Selatie line (191 miles) 50 miles were finished. The total mileage open in September 1894 was 422, under construction 391, and projected 473.

The Republic is in telegraphic communication with the surrounding States and Colonies as far north as Fort Salisbury, 150 miles south of the Zambesi. The lines within the State extend 1,828 miles. On December 31, 1893, there were 48 offices and 206 officials. The Republic joined the Postal Union in 1892.

Weights and measures are the same as in Cape Colony, the currency is English money, and Government gold, silver, and bronze coin issued from a mint established in Pretoria.

*British Agent at Pretoria.*—Sir Jacobus A. de Wet, K. C. M. G.

*Consul-General in London.*—Montagu White.

## Statistical and other Books of Reference concerning the South African Republic.

### 1. OFFICIAL PUBLICATIONS.

- Convention between Her Majesty and the South African Republic. London, 1884.  
 Correspondence respecting the Debt due to H.M.'s Government by the Transvaal State. London, 1882-83.  
 Correspondence respecting the Affairs of the Transvaal and adjacent Territories. London, 1884.  
 Further Correspondence respecting the Affairs of the Transvaal and adjacent Territories (C. 4,275, 4,432, 4,588). London, 1885. (C. 4,643) 1886.  
*Jeppe* (F.), Local Laws of the South African Republic, from 1849-1885, revised by Chief Justice Kotze. Pretoria, 1887.  
 Local Laws of the South African Republic for 1886-93. In 3 series. Pretoria, 1888-94.  
 Staats Almanak der Zuid Afrik. Republiek voor het jaar 1893, samengesteld oplast der Regeering door L.A.F.H. Van Wouw en H. C. de Bruin Prince, Gouvts. Ambtenaren. Pretoria, 1893.  
 Fifth Annual Report of the Witwatersrand Chamber of Mines for the year ending December 31, 1893. Johannesburg. Argus Printing and Publishing Company.  
*Noble* (John), Illustrated Official Handbook of the Cape and South Africa. S. Capetown and London, 1893.

### 2. NON-OFFICIAL PUBLICATIONS.

- Alford* (Charles J.), Geological Features of the Transvaal, South Africa. London, 1891.  
 Argus Annual and South African Directory for 1893. Cape Town, 1893.  
*Aubert* (V. S.), La République sud-Africaine. Situation économique et commerciale en 1889. Paris, 1889.  
*Distant* (W. L.), A Naturalist in the Transvaal. S. London, 1892.  
*Dove* (Dr. Karl), Das Klima des aussertropischen Südafrika. Göttingen, 1888.  
*Jeppe* (F.), Transvaal Almanac and Directory for 1889. Cape Town 1889.  
*Jeppe* (F.), Notes on some of the Physical and Geological Features of the Transvaal, in Journal of the Royal Geographical Society, 1877.  
*Jeppe* (F.), 'The Zoutpansberg Goldfields, 'The Geographical Journal,' London, September, 1893.  
*Keltie* (J. Scott), The Partition of Africa. 2nd ed. London, 1894.  
*Knochenhauer* (B.), Die Goldfelder in Transvaal. Berlin, 1890.  
*Mackenzie* (John), Austral Africa: Losing it or Ruling it. 2 vols. London, 1887.  
*Morrison* (Pearse), A Visit to the Transvaal, Barberton, and Johannesburg and Back. London, 1890.  
*Müller* (H. P. N.), Zuid Afrika, Reisherinneringen. Leiden, 1890.  
*Norris-Newman* (C. L.), With the Boers in the Transvaal and Orange Free State in 1880-81. London, 1882.  
*Penning* (W. H.), The Geology of the Southern Transvaal. S. London, 1893.  
*Sawyer* (A. R.), Mining, Geological, and General Guide to the Murchison Range, London.  
*Silver's* Handbook to South Africa. London, 1891.  
*Theal* (George McCall), History of the Boers in South Africa. London, 1887.  
*Theal* (G. McCall), History of South Africa. 5 vols. London. 1887-93.

## SWAZILAND.

By the Convention of 1884, between the British Government and the Government of the South African Republic, the independence of the Swazis in Swaziland was recognised; by that of 1890, the government of the white population was vested in a mixed Commission; and by that of September, 1893, the government of the South African Republic may obtain, by negotiation with the Swazi Queen Regent and Council, without incorporation, rights, and powers of jurisdiction, protection and administration over Swaziland, the rights of the natives being respected, and the political privileges of burghers of the South African Republic being conferred on British settlers in Swaziland.

On February 21, 1895, in terms of a new Convention, Swaziland was proclaimed to be under Transvaal rule. The king has been installed as paramount chief under the Transvaal Government, and a Transvaal administrator has been appointed.

The area of Swaziland is estimated at 6,150 square miles, and the population at 60,000 natives, with 600 (in winter 1,500) whites. The army contains about 12,000 men. In the year 1891-2 the revenue amounted to 17,370*l.* including 14,000*l.* from the protecting governments; expenditure, 17,080*l.*

## SPAIN.

(ESPAÑA.)

### Reigning Sovereign.

**Alfonso XIII.**, son of the late King Alfonso XII. and Maria Christina, daughter of the late Karl Ferdinand, Archduke of Austria; born after his father's death, May 17, 1886, succeeding by his birth, being a male, his eldest sister.

### Queen Regent.

**Maria Christina**, mother of the King. Took oath as Queen Regent during the minority of her son.

### *Sisters of the King.*

I. *Maria-de-las-Mercedes*, Queen till the birth of her brother, born September 11, 1880.

II. *Maria Teresa*, born November 12, 1882.

### *Aunts of the King.*

I. Infanta *Isabel*, born December 20, 1851; married, May 13, 1868, to Gaetan, Count de Girgenti; widow, November 26, 1871.

II. Infanta *Maria-de-la-Paz*, born June 23, 1862; married, April 3, 1883, to Prince Ludwig, eldest son of the late Prince Adalbert of Bavaria.

III. Infanta *Eulalia*, born February 12, 1864; married to Prince Antoine, son of Prince Antoine d'Orléans, Duc de Montpensier, March 6, 1886. (All sisters of the late King.)

### *Parents of the late King.*

Queen *Isabel*, born October 10, 1830; the eldest daughter of King Fernando VII. ascended the throne at the death of her father, September 29, 1833; assumed the government on being declared of age, November 8, 1843; exiled September 30, 1868; abdicated in favour of her son, June 25, 1870. Married, October 10, 1846, to her cousin Infante *Francisco*, born May 13, 1822.

### *Aunt of the late King.*

Infanta *Luisa*, born January 30, 1832, the second daughter of King Fernando VII.; married, October 10, 1846, to Prince Antoine d'Orléans, Duc de Montpensier, sixth son of King Louis Philippe of the French; widow,



February 4, 1890. Offspring of the union are two children:—1. Princess Isabelle, born September 21, 1848; married, May 30, 1864, to Prince Louis Philippe, Comte de Paris, born August 24, 1838, eldest son of Prince Ferdinand, Duc d'Orléans. 2. Prince Antoine, born February 23, 1866.

### *Cousin of the late King.*

Infante Don *Carlos* Maria-de-los-Dolores, born March 30, 1848, the eldest son of Infante Don Carlos, nephew of King Fernando VII. Married, February 4, 1867, to Princess Marguerite of Bourbon, daughter of Duke Carlos III. of Parma. Offspring of the union are four daughters and a son, Prince Jaime, born June 27, 1870.

The King, Alfonso XIII., has a civil list, fixed by the Cortes, 1886, of 7,000,000 pesetas, or 280,000*l.*, exclusive of allowances to members of the royal family; the Queen Regent having the administration and usufruct of the said sum until the King becomes of age. The annual grant to the Queen, as mother to the King, was fixed by the Cortes, in 1886, at 250,000 pesetas. The immediate successor was assigned 500,000 pesetas, and 250,000 to the second sister, they having been Princesses of Asturias. The parents of the late King, ex-Queen Isabel and her husband, have an allowance of 1,050,000 pesetas, or 42,000*l.*; and the four Infantas, his sisters, of 800,000 pesetas, or 32,000*l.* The total amount of the civil list and allowances to the relatives of the late King was fixed by the Cortes in 1876 at 10,000,000 pesetas, or 400,000*l.*; now it is 9,500,000 pesetas, or 380,000*l.*

The following is a list of the sovereigns and sovereign rulers of Spain, with dates of their accession, since the foundation of the Spanish Monarchy by the union of the crowns of Aragon and Castile:—

<i>House of Aragon.</i>		<i>House of Bourbon.</i>	
Fernando V., 'The Catholic'	1512	Fernando VII., restored	1814
<i>House of Habsburg.</i>		Isabel II.	1833
Carlos I.	1516	Provisional Government	1868
Felipe II.	1556	Marshal Serrano, Regent	1869
Felipe III.	1598	<i>House of Savoy.</i>	
Felipe IV.	1621	Amadeo	1870
Carlos II.	1665	<i>Republic.</i>	
<i>House of Bourbon.</i>		Executive of the Cortes.	1873
Felipe V.	1700	Estanislao Figueras	1873
Fernando VI.	1746	Pi y Margall, June 8	1873
Carlos III.	1759	Nicolas Salmeron, July 18	1873
Carlos IV.	1788	Emilio Castelar, September 9	1873
Fernando VII.	1808	Marshal Serrano, January 4	1874
<i>House of Bonaparte.</i>		<i>House of Bourbon.</i>	
Joseph Bonaparte	1808	Alfonso XII.	1875
		Maria ( <i>pro tem.</i> )	1886
		Alfonso XIII.	1886

## Government and Constitution.

### I. CENTRAL GOVERNMENT.

The present Constitution of Spain, drawn up by the Government and laid before a Cortes Constituyentes, elected for its ratification, March 27, 1876, was proclaimed June 30, 1876. It

consists of 89 articles or clauses. The first of them enacts that Spain shall be a constitutional monarchy, the executive resting in the King, and the power to make laws 'in the Cortes with the King.' The Cortes are composed of a Senate and Congress, equal in authority. There are three classes of senators—first, senators by their own right, or *Senadores de derecho propio*; secondly, 100 life senators nominated by the Crown—these two categories not to exceed 180; and thirdly, 180 senators, elected by the Corporations of State—that is, the communal and provincial states, the church, the universities, academies, &c.—and by the largest payers of contributions. Senators in their own right are the sons, if any, of the King and of the immediate heir to the throne, who have attained their majority; Grandees who are so in their own right and who can prove an annual *renta* of 60,000 pesetas, or 2,400*l.*; captain-generals of the army; admirals of the navy; the patriarch of the Indias and the archbishops; the presidents of the Council of State, of the Supreme Tribunal, of the Tribunal of Cuentas del Reino, and of the Supreme Council of War and of the Navy, after two years of office. The elective senators must be renewed by one-half every five years, and by totality every time the Monarch dissolves that part of the Cortes. The Congress is formed by deputies 'named in the electoral Juntas in the form the law determines,' in the proportion of one to every 50,000 souls of the population. According to the law of June 26, 1890, the electoral qualification is held by all male Spaniards, 25 years of age, who enjoy full civil rights, and have been citizens of a municipality for at least two years. By a royal decree issued August 8, 1878, the island of Cuba received the privilege of sending deputies to the Cortes, in the proportion of one to every 40,000 *free* inhabitants paying 125 pesetas annually in taxes. Members of Congress must be 25 years of age; they are re-eligible indefinitely, the elections being for 5 years. Deputies, to the number of 10, are admitted who, although not elected for any one district, have obtained a cumulative vote of more than 10,000 in several districts. Deputies to the number of 88 are elected by *scrutin de liste* in 26 large districts, in which minorities may be duly represented. There are in all 431 deputies. The deputies cannot take State office, pensions, and salaries; but the ministers are exempted from this law. Both Congress and Senate meet every year. The Monarch has the power of convoking them, suspending them, or dissolving them; but in the latter case a new Cortes must sit within three months. The Monarch appoints the president and vice-presidents of the Senate from members of the Senate only; the Congress elects its own Officials.

The Monarch and each of the legislative chambers can take the initiative in the laws. The Congress has the right of impeaching the ministers before the Senate.

The Constitution of June 30, 1876, further enacts that the Monarch is inviolable, but his ministers are responsible, and that all his decrees must be countersigned by one of them. The Cortes must approve his marriage before he can contract it, and the King cannot marry any one excluded by law from the succession to the crown. Should the lines of the legitimate descendants of the late Alphonso XII. become extinct, the succession shall be in this order—first, to his sisters; next to his aunt and her legitimate descendants; and next to those of his uncles, the brothers of Fernando VII., ‘unless they have been excluded.’ If all the lines become extinct, ‘the nation will elect its Monarch.’

The executive is vested, under the Monarch, in a Council of Ministers of nine members, as follows:—

*President of the Council.*—Señor P. M. Sagasta.

*Minister of Foreign Affairs.*—Señor Groizard.

*Minister of Justice.*—Señor Maura.

*Minister of Finance.*—Señor Canalejas.

*Minister of the Interior.*—Señor T. R. Capdepon.

*Minister of War.*—General Lopez Dominguez.

*Minister of Agriculture and Commerce and of Public Works.*—Señor J. L. Puigcerver.

*Minister of the Colonies.*—Señor Abarzuza.

*Minister of Marine.*—Admiral Pasquín.

## II. LOCAL GOVERNMENT.

The various provinces and communes of Spain are governed by the provincial and municipal laws. Every commune has its own elected Ayuntamiento, consisting of from five to thirty-nine Regidores, or Concejales, and presided over by the Alcalde, at whose side stand, in the larger towns, several Tenientes Alcaldes. The entire municipal government, with power of taxation, is vested in the Ayuntamientos. Half the members are elected every two years, and they appoint the Alcalde, the executive functionary, from their own body. In the larger towns he may be appointed by the King. Members cannot be re-elected until after two years. Each province of Spain has its own Parliament, the Diputación Provincial, the members of which are elected by the constituencies. The Diputaciones Provinciales meet in annual session, and are permanently represented by the Comisión Provincial, a committee elected every year. The Constitution of 1876 secures to the Diputaciones Provinciales and the Ayuntamientos the government and administration of the respective provinces and communes. Neither the national executive nor the Cortes have the right to interfere in the established municipal and provincial administration, except in the case of the action of the Diputaciones Provinciales and Ayuntamientos going beyond the locally limited sphere to the injury of general and permanent interests. In the Basque provinces self-government has been almost abolished since the last civil war, and they are ruled as the rest of Spain. Notwithstanding the provisions of the Constitution, pressure is too frequently brought to bear upon the local elections by the Central Government.

### Area and Population.

The following table gives the area and population of each of the forty-nine provinces into which the Kingdom is divided, according to the census of 1887:—

Province	Area in square miles	Total Population, 1887	Pop. per sq. mile	Province	Area in square miles	Total Population, 1887	Pop. per sq. mile
Alava . . .	1,205	92,915	78	Logroño . . .	1,945	181,465	93
Albacete . . .	5,972	229,102	39	Lugo . . .	3,787	432,165	113
Alicante . . .	2,098	433,050	206	Madrid . . .	2,997	682,644	228
Almería . . .	3,302	339,452	102	Málaga . . .	2,824	519,977	183
Ávila . . .	2,981	193,093	64	Múrcia . . .	4,478	491,436	109
Badajoz . . .	8,687	481,508	55	Navarra . . .	6,046	304,122	50
Baleares . . .	1,860	312,593	168	Orense . . .	2,739	405,127	147
Barcelona . . .	2,985	902,970	301	Oviedo . . .	4,091	595,420	145
Burgos . . .	5,650	338,551	59	Palencia . . .	3,126	188,845	60
Cáceres . . .	8,013	339,793	42	Pontevedra . . .	1,739	443,385	254
Cádiz . . .	2,809	429,872	152	Salamanca . . .	4,940	314,472	63
Canárias . . .	2,808	291,625	102	Santander . . .	2,113	244,274	114
Castellon de la Plana . . .	2,446	292,437	110	Segovia . . .	2,714	154,443	56
Ciudad-Real . . .	7,840	292,291	37	Sevilla . . .	5,295	544,815	102
Córdoba . . .	5,190	420,728	81	Sória . . .	3,836	151,530	39
Coruña . . .	3,079	613,881	199	Tarragona . . .	2,451	348,579	142
Cuenca . . .	6,725	242,460	35	Teruel . . .	5,491	241,865	44
Gerona . . .	2,272	306,583	134	Toledo . . .	5,586	359,562	64
Granada . . .	4,937	484,638	98	Valencia . . .	4,352	733,978	168
Guadalajara . . .	4,870	201,518	41	Valladolid . . .	3,043	267,148	87
Guipúzcoa . . .	728	181,845	249	Vizcaya . . .	849	235,659	277
Huelva . . .	4,122	254,831	61	Zamora . . .	4,135	270,072	65
Huesca . . .	5,878	255,137	43	Zaragoza . . .	6,607	415,195	62
Jaen . . .	5,184	437,842	84	N. & W. Coast of Africa . . .	13	5,280	391
Leon . . .	6,167	380,637	61				
Lérida . . .	4,775	285,417	59				
				Total . . .	197,670	17,565,632	88

There were in 1887, 8,612,524 males and 8,953,108 females.

The legal population as distinct from the population present was returned at 17,673,838. The area of continental Spain is 191,100 square miles, and its population (1887) 16,945,786.

The population of Ceuta, included in that of Cadiz, is 9,694. Besides Ceuta, Spain has, on the African Coast, the Port of Peñon de Velez, the Alhucemas and Chafarinas Islands, and the port of Melilla. These African possessions are used chiefly as convict stations. According to the census returns of 1887, there were in Spain at that date only 25,824 resident foreigners—the mass of them in four provinces—namely, Barcelona, Cadiz, Gerona, and Madrid. The Basques in the North, numbering 440,000, differ in race and language from the rest of Spain; there are 60,000 Morescoes in the South, 50,000 gipsies, and a small number of Jews.

In 1789 the population was estimated to number 10,061,480; in 1820 it was 11,000,000; in 1828, 13,698,029; in 1846, 12,168,774, and it was at the census of 1860, 15,658,531. At the census of 1877 the population amounted to 16,634,345, being an increase of 976,814 in the course of seventeen years, or at the rate of about 0·35 per cent. per annum; in 1887 it was 17,565,632, being an increase of 831,287 in ten years, or at the rate of 0·47 per cent. per annum.

The following were the populations of the principal towns in 1887, viz. :—

Town	Population	Town	Population
Madrid . . .	470,283	Palma (Baleáres)	60,514
Barcelona . . .	272,481	Lorca . . .	58,327
Valencia . . .	170,763	Valladolid . . .	62,018
Sevilla . . .	143,182	Córdoba . . .	55,614
Málaga . . .	134,016	Bilbao . . .	50,772
Múrcia . . .	98,538	Oviedo . . .	42,716
Zaragoza . . .	92,407	Santander . . .	41,829
Granada . . .	73,006	Alicante . . .	39,638
Carthagena . . .	84,171	Almeria . . .	37,241
Cádiz . . .	62,531	Coruña . . .	36,200
Jeres de la Frontera . . .	61,708	Burgos . . .	31,301

Statistics published by the Instituto Geographico y Estadístico of Spain show that the population according to occupation in 1889 was as follows:—Agricultural, 4,854,742; industrial (textile and mineral), 243,867; commercial, 194,755; arts and trades, 823,310; domestic servants, 409,549; merchant marine, 115,764; professional (legal, medical, &c.), 84,510; public employees, 97,257; asylum inmates, &c., 91,226; religious (Catholic), 72,077; private and railway employees, 49,565; teachers, &c., 39,136; leisure classes, 29,918; hotel keepers, &c., 14,449; pupils at schools and colleges, 1,719,955; not stated, 8,728,519; total, 17,568,599.

In 1892, according to official statistics, 66,406 persons left, and 58,148 persons entered Spain, the excess of emigration being thus 8,258. Emigration from Spain is chiefly to Brazil, Uruguay, and Argentina.

### Religion.

The national Church of Spain is the Roman Catholic, and the whole population of the Kingdom adhere to that faith, except (in 1887) 6,654 Protestants, 402 Jews, 9,645 Rationalists, 510 of other religions, and 13,175 of religion not stated. There were in 1884 in Spain 32,435 priests in the 62 dioceses into which the country is divided; 1,684 monks resident in 161 monastic houses, and 14,592 nuns in 1,027 convents. The number of cathedrals was 65, of religious colleges 30, of churches 18,564, and of convents, religious houses, sanctuaries, and other buildings of a religious character 11,202. According to Article 12 of the Constitution of 1876, a restricted liberty of worship is allowed to Protestants, but it has to be entirely in private, all public announcements of the same being strictly forbidden. The Constitution likewise enacts that 'the nation binds itself to maintain the worship and ministers of the Roman Catholic religion.' Resolutions of former legislative bodies, not repealed in the Constitution of 1876, settled that the clergy of the Established Church are to be maintained by the State. On the other hand, by two decrees of the Cortes, passed July 23, 1835, and March 9, 1836, all conventual establishments were suppressed, and their property confiscated for the benefit of the nation. These decrees gave rise to a long dispute with the head of the Roman Catholic Church, which ended in the sovereign pontiff conceding the principle of the measure. By a concordat with Rome concluded in August 1859, the Spanish Government was authorised to sell the whole ecclesiastical property, except churches and parsonages, in return for an equal amount of untransferable public debt certificates bearing interest at the rate of 3 per cent.

### Instruction.

The latest census returns show that a large proportion of the inhabitants are illiterate. In 1860 20·0 per cent. of the population could read and write; 4·6 per cent. could read only; and 75·3 per cent. could neither read nor write. In 1889, out of a population of 17,552,346 accounted for, 5,004,460 (3,317,855 males, and 1,686,615 females), or 28·5 per cent. could read and write; 608,005 (221,613 males, and 380,392 females), or 3·4 per cent. could read only; and 11,945,871 (5,067,098 males, and 6,878,773 females), or 68·1 per cent. could neither read nor write.

By a law of 1857 an elaborate system of primary education was ordained: education was to be compulsory, there was to be a primary school for every 500 inhabitants, and instruction was to be on a rigidly uniform plan. Compulsion has never been enforced, and, partly from political causes and partly from the wretched pay of most of the elementary teachers (10*l.* to 20*l.* per annum), education is very inefficient. In 1881, however, several improvements were introduced. Under the Minister of Public Works there is a Director-General of Public Instruction, with a council; there are ten educational districts, with the universities as centres, 49 inspectorial districts, and numerous local educational authorities. The public and primary schools are supported mainly by the municipalities, the total sum spent in each of the last three years on primary education, including a small contribution by Government, being about 1,000,000*l.* Most of the children are educated free. The following table shows the number of schools in the years 1850, 1870, and 1880:—

Year	Public	Private	Total
1850	13,334	4,100	17,434
1870	22,711	5,406	28,117
1880	23,132	6,696	29,828

In 1885 (to which the latest issued reports refer) there were 24,529 public and 5,576 private primary schools, or 1 for every 560 inhabitants, including 1,774 public and private schools for adults and Sunday schools. In 1885 there were 1,843,183 pupils on the books. Secondary education is conducted in 'institutions,' or middle-class schools, somewhat like universities in their organisation; there must be one of them in every province in addition to private schools. These are largely attended, but the education is inefficient. These institutions prepare for the universities, of which there are ten, attended by 16,000 students. The fees largely cover the expenses of the universities. Government also supports various special schools—engineering, agriculture, architecture, fine arts, music, &c. In 1887 the total sum set apart for education in the budget was only 1,868,650 pesetas.

### Finance.

The revenue of the Kingdom is raised by a system of direct and indirect taxation, stamp duties, Government monopolies, and income from State property. The direct taxes are imposed on landed property, houses, live stock, industry, commerce, registration acts, titles of nobility, mortgages, and mineral produce. The indirect taxes are derived from foreign imports, articles of consumption, tolls, bridge and ferry dues.

There have been no accounts of the actual public revenue and

expenditure of the Kingdom published since the year 1870-71, but only budget estimates. There are, indeed, accounts of public revenue and expenditure published monthly; but the public accounts have not been approved by Parliament since 1865-67; and the *Tribunal de Cuentas* has not audited the accounts later than 1868-69. According to official returns, the following were the ordinary revenue and expenditure for the financial years specified:—

Financial Years	Revenue	Total Expenditure
	Pesetas	Pesetas
1886-87	887,305,572	910,363,783
1887-88	803,090,000	839,866,146
1888-89	851,667,932	848,657,985
1889-90	800,035,687	799,943,436
1891-92	779,475,860	832,911,687
1892-93	707,398,172	754,444,600

The actual deficit for 1886-87 was 91,646,929 pesetas; 1887-88, 82,013,775 pesetas; 1888-89, over 122,450,636 pesetas; 1889-90, 61,738,611; 1890-91, 62,880,914; 1891-92, 53,435,827; 1892-93, 47,046,428. For 1893-94 the estimated revenue was 737,726,353 pesetas, and expenditure 737,474,811 pesetas. The following are the estimates for 1894-95:—

REVENUE		EXPENDITURE	
	Pesetas		Pesetas
Direct taxes on land, trade, mines, Government salaries, registration, &c. . . . .	291,423,473	Civil list . . . . .	9,500,000
Indirect taxes, customs, excise, &c. . . . .	281,768,000	Cortes . . . . .	1,526,585
Tobacco monopoly, lottery, mint, and minor sundries . . . . .	129,940,000	Public debt . . . . .	309,219,669
Revenue from national property . . . . .	22,124,880	Judicial expenses . . . . .	1,817,231
From the public treasury . . . . .	19,470,000	Indemnities and pensions . . . . .	55,067,477
		Council of Ministers . . . . .	891,050
		Ministry of Foreign Affairs . . . . .	4,709,142
		„ „ Justice . . . . .	52,690,584
		„ „ War . . . . .	133,872,216
		„ „ Marine . . . . .	22,502,951
		„ „ Interior . . . . .	26,924,554
		„ „ Agriculture . . . . .	76,979,883
		„ „ Finance . . . . .	14,886,368
		Tax collecting . . . . .	27,377,183
		Fernando Po . . . . .	655,000
Total . . . . .	744,726,353	Total . . . . .	738,619,893

It was arranged in 1881-82 that the bulk of the Spanish debt should be converted into a new series of 4 per cents. The follow-

ing table shows the amount of the debt on January 1, 1893, and the annual interest and amortisation :—

Name of Loan	Nominal Capital in pesetas	Interest, &c., in pesetas
Perpetual External at 4%	1,971,151,000	78,846,040
Perpetual Internal at 4%	2,274,660,450	90,986,418
Amortisable at 4%	1,714,075,000	101,300,550
Due on public works	562,000	11,550
Due on public roads	252,000	6,300
Arrears due to employés.	1,342,640	—
Total . . . . .	5,962,043,090	271,150,858

In addition to this, the consolidated debt at 5 per cent. due to the United States of America amounts to 3,000,000 pesetas ; the inscribed debts in favour of civil corporations and the clergy amount to 725,836,000 pesetas ; the floating debt amounts to 195,516,000 pesetas, and the State has incurred obligations in respect to the island of Cuba estimated at over 10,000,000.

## Defence.

### I. FRONTIER.

The Spanish frontiers are defended by the following fortified places :—On the north and north-west coast, Fuenterrabia, the fortified port of Passages, and the military ports of Santoña and Santander, Ferrol, Coruña, Vigo ; in the Basque country, between the coast and the Ebro, are Bilbao and Vitoria ; in the country on the left bank of the Ebro are Pamplona, Tafalla, Jaca, Venasqua, Monzon, Puycerda, Seo de Urgel, Balaguer, and Lerida ; between the Segré and the Mediterranean are Cardona, Hostalrich, Campredon, Ripoll, Gerona, Olot, Cartelfollit, Figueras ; on the Mediterranean, Palamos, Barcelona, Tarragona, Málaga, Almeria, Carthagea, and Alicante ; on the Ebro are Logroño, Tudela, Zaragoza, Mequinenza, and Tortosa ; south of the Ebro are Burgos and Morella. Along the Portuguese frontier are Toro, Ciudad Rodrigo, Valencia de Alcantara, Albuquerque, and Badajoz ; Tarifa and Algeciras in the Strait of Gibraltar, and Cadiz at its entrance.

### II. ARMY.

Under the military law of July 1, 1885, the armed forces of Spain consist of—1. A permanent army ; 2. A first or active reserve ; 3. A second or sedentary reserve. All Spaniards past the age of 19 are liable to be drawn



for the permanent army, in which they have to serve three years; they then pass for three years into the first or active reserve, and for six years into the second reserve. By a payment of 1,500 pesetas any one may purchase exemption from service. For the colonial army the total period of service is eight years, four with the colours and four in the second reserve. By increasing the number of depôt battalions, assigning to each reserve battalion a special district, and making it the essential basis of regimental organisation, both for recruits and for the reserves, it is hoped that in time Spain may be able easily to mobilise in case of necessity an army of 1,083,595 men.

The Spanish regular army is composed as follows:—

*Infantry*:—74 regiments of the line of 2 battalions; 36 battalions of chasseurs; 136 battalions of reserves; 68 recruiting squadrons. Each battalion has 6 companies—2 in skeleton only. There are also a disciplinary battalion and a school of musketry.

*Cavalry*:—A squadron of royal guards (150 strong), 8 lancer regiments, 17 chasseur regiments, 4 dragoon regiments, 2 hussar regiments, in all 31 regiments of 4 squadrons each. There are also 28 reserve regiments, and 13 additional squadrons of various kinds.

*Artillery*:—5 regiments of 4 batteries, and 5 regiments of 6 batteries, 2 horse batteries, 2 regiments of mountain artillery of 6 batteries, 1 siege regiment, 12 fortress battalions (6 of 6 companies and 6 of 4 companies), 7 reserve regiments, 4 companies of workmen, and 2 companies attached to the military academy and the central shooting school.

*Engineers*:—4 regiments of 2 battalions of 4 companies, 4 reserve regiments, 1 regiment of pontooneers of 4 companies, 1 battalion each of railway engineers, of telegraphists, and of workmen, and 1 brigade of topographers; 1 mixed battalion of Cuba, 1 battalion of workmen of the Philippine Islands, and 1 special reserve battalion. There is a special body of engineer officers numbering 451.

*Administrative Corps*:—1 brigade of 15 sections. *Civil Guard*—partly dependent on the Minister of War:—16 infantry regiments and 15 cavalry regiments, in all 130 companies. *Sanitary Corps*:—1 brigade of 8 sections. There are 447 doctors and 82 pharmacists in the army service. *Carabineers*—for service on the frontier, and on the coast to act as custom-house officials:—30 regiments of infantry, comprising 84 companies and in addition 7 mounted companies. *Territorial Army of the Canary Islands*:—1 battalion of chasseurs of 6 companies, and 6 reserve battalions of 4 companies. There is also a volunteer militia in Ceuta.

The following is the strength of the regular army in peace and war:—

	Permanent		War	
Infantry . . .	51,162	959,667	Carabineers . . .	13,503
Cavalry . . .	14,881	38,481	Other formations	6,259
Artillery . . .	10,112	32,152		
Engineers . . .	4,315	12,807	Total . . .	115,735
Civil Guard . . .	15,503	15,503		1,083,595

The annual contingent of recruits is fixed at 80,000 men. A new regiment of artillery is being formed. In peace there are 14,655 horses and 396 guns. For military purposes the Kingdom, with the Islands, is divided into 14 districts, or 'capitanias generales,' at the head of each of which stands a 'captain-general.' It is further subdivided into 14 territorial divisions for infantry, in each of which is a regimental depôt; for the cavalry there are 24 districts, and 6 for Artillery.

The number of troops in the Philippines is 9,870 in Cuba, 21,000, in Porto Rico 3,400.

There are in Spain 13 military schools and colleges.

## III. NAVY.

The ship-building programme of 1887, involving an outlay of 225 million pesetas, had on grounds of economy to be modified, and a new programme was authorised by royal decree in 1890. Spain is now possessed of a capable navy, which, with the completion of the ships in hand, will become a formidable force. The following statement of its strength includes ships built and building, but excludes training ships, transports, and non-effective vessels:—

Battleship, 1st class . . . . .	1	Cruisers, 3rd class (a) . . . . .	22	} 46
Port Defence Ships . . . . .	2	"    "    " (b) . . . . .	24	
Cruisers, 1st class (a) . . . . .	7	} 9	Torpedo Craft, 1st class . . . . .	12
"    "    " (b) . . . . .	2		"    "    2nd class . . . . .	20
"    2nd class . . . . .	6	"    "    3rd class . . . . .	1	—
				97

According to the Spanish system of classification, certain vessels considered in this country to belong to the cruiser category, are counted as battleships. The single battleship credited to Spain in the above table is the fine vessel *Pelayo*, launched at La Seyne in 1887. The following are her principal characteristics:—Displacement, 9,900 tons; length, 330 ft.; beam, 66 ft.; draught, 24 ft. 9 in.; engines, 6,800 nominal horse-power; speed, 15·8 knots; principal armament, 2 12½-in., 2 11-in., 1 6½-in., and 12 4¾-in. breech-loaders, with 6 quick-firing guns; protection, steel belt 18 in. maximum thickness, and 11 in. on the barbettes. The 4 heavy guns are disposed on the French system, *i.e.* singly on protected barbette turrets fore and aft, and on sponsoned barbettes on either broadside. The 6½-in. gun is in the bows, and the 12 4¾-in. pieces are in battery on either side. All the Spanish first-class cruisers *a* are new vessels, and nearly all are still in the hands of the constructors, three not yet being launched. Six of them are well protected by 12-in. steel belts, and the heavy gun emplacements have 8-in. steel armouring. These—the *Infanta Maria Teresa*, *Vizcaya*, *Almirante Oquendo*, *Cataluña*, *Cardenal Cisneros*, and *Princesa de Asturias*—are of 7,000 tons, 364 feet in length, 65 feet beam, 13,000 nominal horse-power, and 20 knots nominal speed. The first-named, built at Bilbao, made 18·48 knots at her official natural-draught trials, during eight hours' steaming at sea, thus slightly exceeding the contract. In these cruisers two 11-in. guns are mounted singly on barbette turrets fore and aft, and there are five 5½-in. guns on each broadside, the pairs severally nearest to the bows and the stern being sponsoned out, so as to fire severally in those directions, and have a wide firing arc on the beam. The *Emperador Carlos V.*, launched in 1892, at Cadiz, is a still more powerful armoured cruiser (9,235 tons) of the Russian *Rurik* type, with a larger light armament than the others, and engines of 15,000 horse-power, which are expected to give a speed of 20 knots. The first-class cruisers *b* in the above statement are the old broadside ships *Numancia* and *Vitoria* (dating from 1863 and 1867), which, having been reboilered, and having received new armaments, are counted as cruisers mainly for convoying purposes. Of smaller vessels Spain possesses three remarkable new second-class deck-protected cruisers—the sister ships *Reina Regente*, *Alfonso XIII.*, and *Lepanto* (4,800 tons), which have their guns very advantageously placed, and, with 12,000 horse-power, are expected to steam at 20 knots. The third-class cruisers *a* in the above statement include six 1,130-ton 14-knot vessels of the

*Infanta Isabel* class, and the torpedo gunboats, of which four (of the *Sharpshooter* class) are in course of construction. In the *b* list the older and slower gunboats are grouped, but Spain has, in addition, some 20 third-class gunboats of less than 100 tons displacement. Among the torpedo-boats the *Ariete* (97 tons, 147 ft. 6 in. long) is a remarkable craft, built at Chiswick, which steamed 26·1 knots at her trials.

The navy of Spain is manned by about 14,000 seamen and petty officers, and 9,000 marines, and officered by one admiral, 24 vice- and rear-admirals, and some 850 other executive officers; while the engineering branch numbers 150 officers. The navy, like the army, is recruited by conscription, naval districts for this purpose being formed along the coast, among the seafaring population.

### Production and Industry.

Of the soil of Spain 79·65 is classed as productive; of this 33·8 per cent. is devoted to agriculture and gardens, 3·7 vineyards, 1·6 olive culture, 19·7 natural grass, 20·8 fruits. Wheat, rye, barley, maize, esparto, flax, hemp, and pulse are the leading crops. The vine is the most important culture (24,210,162 hectolitres in 1891), while large quantities of oranges, raisins, grapes, nuts, and olives are exported. Of animals, mules and asses and sheep are imported.

The soil is subdivided among a very large number of proprietors. Of 3,426,083 recorded assessments to the property tax, there are 624,920 properties which pay from 1 to 10 reales; 511,666 from 10 to 20 reales; 642,377 from 20 to 40 reales; 788,184 from 40 to 100 reales; 416,546 from 100 to 200 reales; 165,202 from 200 to 500 reales; while the rest, to the number of 279,188, are larger estates charged from 500 to 10,000 reales and upwards. The subdivision of the soil is partly the work of recent years, for in 1800 the number of farms amounted only to 677,520, in the hands of 273,760 proprietors and 403,760 farmers.

In 1888 the Agricultural Department estimated the area under vines at 5,000,000 acres, and the total production of wine, 616,000,000 gallons. In 1890 the production was 638,000,000 gallons.

Iron, quicksilver, lead, and copper are the most important minerals. In 1888, 5,609,876 tons of ore were produced; in 1892. the total production was 5,405,179 tons; in 1893, 5,497,540 tons, most of which was exported. The produce of copper in 1888 amounted to 3,202,416 tons, valued at 19,214,496 pesetas; the export of copper ore in 1888 was 756,943 tons; in 1889, 720,622 tons. The bulk of these ores go to Great Britain. The value of mining products at the mouth of the mines in 1887 was 120,372,948 pesetas, and in 1888 125,825,144 pesetas. The value of the lead mines in 1888 was 39,219,950 pesetas, and of argentiferous lead, 27,516,150 pesetas. In 1888, 50,269 people were engaged in mining. In 1894, the total number of mines registered was over 15,000, of which only about 2,000 were worked. The total value of the metallurgical products in 1887 was 157,830,370 pesetas; in 1888, 186,024,94 pesetas.

### Commerce.

The total imports and exports of Spain (including the precious metals) were as follows in five years:—

Year	Imports	Exports
	Pesetas	Pesetas
1889	866,311,424	896,855,826
1890	941,137,925	937,759,883
1891	873,833,503	803,814,728
1892	751,723,597	663,022,145
1893	684,824,976	626,631,032

The total export of Spanish wines in 1893 amounted to the value of 110,119,728 pesetas, about 64 per cent. in value having gone to France, and 9 per cent. to Great Britain. In 1891 the total exports of wine amounted to 310,244,000 pesetas, and in 1892 to 142,838,000 pesetas. In 1893 the imports of the precious metals amounted to 26,042,000 pesetas (gold, 6,833,000 pesetas), and the exports to 13,279,000 pesetas (gold, 576,000 pesetas).

The following table shows the principal imports and exports for 1893:—

Imports	Pesetas	Exports	Pesetas
Coal and coke . . .	48,120,786	Iron ore . . .	42,821,897
Mineral oils . . .	10,427,776	Silver (including coin) . . .	12,702,654
Iron and manufactures . . .	16,055,200	Copper ore . . .	21,957,500
Drugs and chemicals . . .	51,286,572	Copper . . .	17,481,415
Cotton, raw . . .	75,478,032	Argentiferous lead . . .	33,261,078
Cotton, yarn and manufactures . . .	10,567,444	Lead and manufactures . . .	20,529,188
Vegetable fibres, various . . .	28,739,259	Drugs and chemicals . . .	27,180,865
Wool and manufactures . . .	26,409,192	Cotton manufactures . . .	48,671,497
Silk, raw . . .	4,722,944	Wool and manufactures . . .	21,690,385
Silk manufactures . . .	14,603,214	Silk and manufactures . . .	4,039,051
Paper and paper goods . . .	10,891,382	Paper and manufactures . . .	9,191,869
Wood and wooden goods . . .	46,153,406	Timber, &c. . .	29,764,215
Animals and animal products . . .	36,850,898	Animals and animal products . . .	45,138,928
Machinery, carriages . . .	36,292,037	Raisins . . .	13,644,646
Wheat . . .	83,034,987	Oranges . . .	14,623,606
Tobacco, cigars . . .	33,800,980	Grapes . . .	13,464,276
Sugar . . .	13,918,061	Olive oil . . .	25,205,359
Cacao . . .	13,550,692	Wine . . .	110,119,728
Coffee . . .	15,934,761	Alimentary conserves . . .	11,973,124
Fish . . .	26,231,532		

The following table shows the shares of the leading countries in the commerce of Spain in 1891 and 1892, in pesetas:—

Country	Imports from (1891)	Imports from (1892)	Exports to (1891)	Exports to (1892)
	Pesetas	Pesetas	Pesetas	
France . . . . .	326,794,082	231,377,168	457,233,075	259 283,072
Great Britain . . . . .	237,521,470	194,351,109	175,992,648	174,004,216
United States . . . . .	86,733,285	91,472,632	15,123,896	16,042,414
Germany . . . . .	42,527,534	22,815,233	10,155,928	11,411,503
Belgium . . . . .	38,483,570	44,982,183	17,471,107	13,959,384
Russia . . . . .	23,763,595	14,194,676	480,249	703,824
Italy . . . . .	23,566,841	17,771,913	7,676,696	8,025,761
Sweden and Nor- way . . . . .	31,085,329	26,683,090	3,455,705	2,428,598
Portugal . . . . .	53,669,445	23,211,986	33,335,071	26,072,818
Turkey . . . . .	8,461,678	9,580,759	—	—
Spanish Colonies . . . . .	76,662,000	95,594,720	153,097,285	192,473,498

The commercial intercourse between Spain and the United Kingdom is shown in the following table from the Board of Trade Returns :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into Great Britain	11,558,857	12,508,533	10,523,875	10,916,636	10,353,932
Exports of British produce to Spain . . . . .	4,220,162	4,999,705	4,977,473	4,672,938	3,614,516

The quantities and value of wine imported into the United Kingdom from Spain were as follows in each of the last five years :—

—	1889	1890	1891	1892	1893
Quantities (gallons) . . . . .	3,803,346	4,007,085	4,066,356	3,719,109	3,548,304
Value (£) . . . . .	866,037	908,825	858,382	817,566	732,933

Besides wine, the following were the leading imports from Spain into the United Kingdom in the last two years :—

—	1892	1893	—	1892	1893
	£	£		£	£
Iron ore . . . . .	2,364,136	2,417,034	Iron & copper pyrites . . . . .	997,311	1,007,251
Fruits . . . . .	2,611,657	2,294,199	Copper ore, regulus, &c. . . . .	1,487,882	1,253,625
Lead . . . . .	934,021	798,723	Quicksilver . . . . .	345,113	294,402
Rags, esparto, &c. . . . .	358,725	318,236	Olive oil . . . . .	43,059	246,860

The chief British exports to Spain in 1893 were linen yarn and linens, of the value of 186,137*l.*; iron, wrought and unwrought, of the value of 461,055*l.*; coals, of the value of 810,296*l.*; machinery, 337,558*l.*; cotton yarn and goods, of the value of 291,901*l.*; and woollen goods, 111,340*l.*

### Shipping and Navigation.

The merchant navy of the Kingdom contained in 1894, of vessels over

100 tons, 392 steamers of 449,044 tons gross, and 368 sailing vessels of 98,314 tons net; total, 760 vessels of 547,358 tons.

In 1893 there entered 16,199 vessels, of 11,450,198 tons, of which 8,040, of 5,475,229 tons, carried the Spanish flag, and cleared 16,089 vessels, of 11,414,057 tons, of which 7,994, of 5,470,926 tons, carried the Spanish flag.

### Internal Communications.

The length of railways in Spain on December 31, 1893, was 6,708 English miles open for traffic. The whole of the Spanish railways belong to private companies, but nearly all have obtained guarantees or subventions from the Government.

The Post Office carried in 1892, in the inland service, 80,847,000 letters and post-cards, and 46,970,000 printed papers and samples; in the international service, 22,366,000 letters and post-cards, and 18,657,000, printed papers and samples. There were 2,688 post-offices in 1892.

The length of lines of telegraphs in Spain on January 1, 1893, was 18,248 English miles; and the length of wire 41,141 English miles. In the year 1892 the number of inland messages was 3,544,361; international, 1,153,067; official, 199,307; total, 4,896,735. The number of telegraph offices was 1,363.

### Money and Credit.

On June 30, 1894, the Bank of Spain had gold and silver to the amount of 425,300,000 pesetas; its note circulation amounted to 935,800,000 pesetas; private accounts current and deposits, 349,100,000 pesetas; portfolio, 126,100,000 pesetas; advances on mortgages, 102,100,000 pesetas; treasury accounts current and deposits, 38,500,000 pesetas.

### Money, Weights, and Measures.

#### MONEY.

The *Peseta* of 100 *Centesimos* is of the value of a franc,  $9\frac{1}{2}d.$ , or 25·225 pesetas to the pound sterling.

Gold coins in common use are 20, 10, and 5-peseta pieces.

Silver coins are 5-peseta and single peseta pieces.

Both gold and silver coins are of the same weight and fineness as the corresponding French coins.

Theoretically, there is a double standard of value, gold and silver, the ratio being  $15\frac{1}{2}$  to 1. But of silver coins only the 5-peseta piece is legal tender, and the coinage of this is restricted.

#### WEIGHTS AND MEASURES.

On January 1, 1859, the metric system of weights and measures was introduced in Spain. But, besides these, the old weights and measures are still largely used. They are:—The *Quintal* = 101·4 lbs. avoirdupois; the *Libra* = 1·014 lbs. avoirdupois; the *Arroba*, for wine =  $3\frac{1}{2}$  imperial gallons; for oil =  $2\frac{3}{4}$  imperial gallons; the *Square Vara* = 1·09 vara = 1 yard; the *Fanega* =  $1\frac{1}{2}$  imperial bushel.

### Diplomatic and Consular Representatives.

#### 1. OF SPAIN IN GREAT BRITAIN.

*Ambassador*.—Don Cipriano del Mazo.

*Secretary*.—Don A. de la Barre.

*Military Attaché*.—Marquis de S. Elena.

There are Consular representatives at London (C.G.), Cardiff, Dublin, Glasgow, Liverpool, Newcastle, Aberdeen, Newport, Swansea; Adelaide, Bombay, Calcutta, Cape Town, Hong Kong, Jamaica, Malta, Melbourne, Quebec (C.G.), Singapore, Sydney.

## 2. OF GREAT BRITAIN IN SPAIN.

*Ambassador.*—Right Hon. Sir Henry Drummond-Wolff, G. C. B., G. C. M. G. ; Envoy to Persia, 1887 to 1891 ; Envoy to Roumania, 1891-92. Appointed Ambassador to Spain January 1892.

*Secretary.*—Sir G. F. Bonham, Bart.

There are Consular representatives at Madrid, Barcelona, Bilbao, Cadiz, Coruña, Fernando Po, Havana (C.G.), Malaga, Manila, Porto Rico, Santiago de Cuba, Teneriffe.

**Colonies.**

The area and population of the various possessions claimed by Spain are as follows:—

Colonial Possessions	Area : English square miles.	Population
1. Possessions in America :		
Cuba (1890) . . . . .	41,655	1,631,687
Porto Rico . . . . .	3,550	806,708
Total, America . . . . .	45,205	2,438,395
2. Possessions in Asia :		
Philippine Islands . . . . .	114,326	7,000,000
Sulu Islands . . . . .	950	75,000
Caroline Islands and Palaos . . . . .	560	36,000
Marianne Islands . . . . .	420	10,172
Total, Asia . . . . .	116,256	7,121,172
3. Possessions in Africa :		
Rio de Oro and Adrar . . . . .	243,000	100,000
Ifni (near Cape Nun) . . . . .	27	6,000
Fernando Po, Annabon, Corisco, Elobey, San Juan . . . . .	850	30,000
Total, Africa . . . . .	243,877	136,000
Total Possessions . . . . .	405,338	9,695,567

For administrative purposes the Canary Islands are considered part of Spain. Rio de Oro and Adrar are under the governorship of the Canary Islands, with a sub-governor resident at Rio de Oro. The country on the banks of the rivers Muni and Campo is claimed by Spain, but disputed by France ; it has an area of 69,000 square miles and a population of 500,000.

The extent of the Sulu Archipelago under the Spanish protection is defined, in a protocol signed at Madrid, March 7, 1885, by representatives of Great Britain, Germany, and Spain, as including all the islands lying between the western extremity of the island of Mindanao on the one side, and the islands of Borneo and Aragua on the other ; excluding all parts of Borneo, and the islands within a zone of three maritime leagues of the coast.

**CUBA AND PORTO RICO.**

Cuba is divided into six provinces, each with a capital of the same name. The Governor-General is assisted by a Council of Administration, nominated by royal decree, and the Island is represented in the Spanish Cortes by 16

senators and 30 deputies. Ten per cent. of the area is cultivated, 7 per cent. is unreclaimed, and 4 per cent. is under forests. There are large tracts of country still unexplored. The population of the island in 1894 was given as 1,631,696, of which 65 per cent. was white, the remainder being negro. A law passed in 1886 abolished slavery absolutely. The capital, Havana, has (December 1887) 198,271 inhabitants, and the other most important towns are Matanzas (1892), 27,000; Santiago de Cuba, 71,307; Cienfuegos (1892), 27,430; Puerto Principe, 46,641; Holguin, 34,767; Sancti Spiritu, 32,608; Cardenas (1892), 23,680. Education was made obligatory in 1880. There are 843 public schools in the Island, and Havana has a university. The Cuban armed forces, which consist of infantry, cavalry, and artillery (including a black militia battalion), are restricted on a peace footing to 20,414 men.

The estimated revenue for 1893-94, was 24,440,759 pesos, of which 11,375,000 was from customs; expenditure, 25,984,239 pesos, of which 12,574,485 pesos was for the debt, 5,904,084 pesos for the Ministry of War, and 4,015,034 pesos for the Ministry of the Interior. The debt is put at over 37,200,000*l*.

The number of landed estates on the island in 1892 was estimated at 90,960 of the value of 220,000,000 pesos, and rental of 17,000,000 pesos. The live stock consisted of 584,725 horses and mules, 2,485,766 cattle, 78,494 sheep, and 570,194 pigs. The chief produce is sugar and tobacco. The quantity of sugar produced in the year 1891-92 was 976,789 tons; in 1892-93, 815,894 tons. Of 718,204 tons of sugar exported in 1893, 680,642 tons, and also 7,654 hogsheads of molasses, went to the United States. In 1893, 9,308 pipes of rum were exported, of which 2,756 pipes went to Central and South America. The export of tobacco in 1890 was 194,000 bales; 1891, 205,000 bales; 1892, 241,291 bales; 1893, 227,865 bales. The number of Havana cigars exported in 1889 was 250,467,000; in 1890, 211,823,000; in 1891, 196,644,000; in 1892, 154,931,133; in 1893, 147,365,000. Cigarettes exported in 1892, 38,877,036 packets; in 1893, 39,581,493 packets. Two-thirds of the tobacco and nearly half of the cigars go to the United States. Mahogany and other timbers are exported, as are also honey, wax, and fruits. The total exports from Cuba in 1892 amounted to 89,652,514 pesos, of which 84,964,685 pesos was for vegetable, 871,625 pesos for animal, and 3,485,924 pesos for mineral produce. The import value was put at 56,265,315 pesos, of which 18,553,307 pesos was from Spain, 16,245,880 pesos from the United States, and 13,051,384 from Great Britain. The chief imports are rice, jerked beef, and flour.

The Spanish official returns state the value of the imports from Cuba into Spain for 1892 to be 49,587,558 Spanish pesetas, and the exports from Spain to Cuba 145,319,355 pesetas. In the district of Santiago de Cuba, at the end of 1891, the total number of mining titles issued was 296, with an extent of 13,727 hectares. Of the mines reported and claimed, 138 were iron, 88 manganese, and 53 copper. In 1893 the ports of Havana, Cienfuegos, Trinidad de Cuba, Santiago de Cuba, and Nuevitas were visited by 1,953 vessels of 2,384,263 tons (482 of 466,077 tons being British). In Cuba there are about 1,000 miles of railway belonging to companies, and the larger sugar estates have private lines connecting them with the main lines. There are 2,810 miles of telegraph line with 167 offices. Messages in 1892, 298,416.

Porto Rico is described as 'the healthiest of all the Antilles.' Its negro population is estimated at over 300,000. An act for the abolition of slavery was passed by the National Assembly on March 23, 1873. Chief town, San Juan, 23,414 inhabitants; Ponce, 37,545; San German, 30,146. The Porto Rico budget for 1893-94 gave an estimated expenditure of 3,879,813 pesos, of which the Ministry of Finance absorbed 250,045 pesos, and War 1,050,006.



pesos, and an estimated income of 3,903,655 pesos, of which the customs were estimated to produce 2,300,000 pesos, and direct and indirect taxes 1,358,800 pesos. The principal articles of export are coffee, of 5,297,565 pesos in 1891; sugar, 3,126,135 pesos; tobacco, 781,870 pesos. The total exports in 1891 were 9,885,995 pesos, and imports 16,864,765 pesos. The value of the imports from Porto Rico into Spain in 1892 was 22,947,620 Spanish pesetas, and the exports from Spain to Porto Rico 20,358,477 pesetas. In 1891, 1,311 vessels of 1,327,192 tons entered, and 1,275 vessels of 1,244,485 tons cleared, Porto Rico.

The total value of the imports from Cuba and Porto Rico into the United Kingdom in 1893 was 130,612*l.* (984,976*l.* in 1885); and the exports of British produce thither were of the value of 1,321,926*l.*

The staple articles of import from Cuba and Porto Rico into the United Kingdom are:—Unrefined sugar, the value of which was 2,299,764*l.* in 1879; 222,944*l.* in 1888; 31,597*l.* in 1890; 15,699*l.* in 1891; 9,650*l.* in 1892; 66,745*l.* in 1893; rum, 19,479*l.* in 1892; 12,811*l.* in 1893; furniture woods, 27,317*l.* in 1892; 19,095*l.* in 1893. The British exports mainly comprise cotton manufactures, 442,454*l.*; linens, 340,539*l.*; iron, wrought and unwrought, 125,844*l.* in 1893. In Porto Rico there are 470 miles of telegraph and 12 miles of railway.

*British Consul-General (Havana).*—Alexander Gollan.

### PHILIPPINE ISLANDS.

These islands extend almost due north and south from Formosa to Borneo and the Moluccas, embracing an extent of 16° of latitude and 9° of longitude. They are over 400 in number; the two largest are Luzon (area 40,024 square miles) and Mindanao. The capital of the Philippines, Manila, has 270,000 inhabitants (1880); other towns are Laoag, 36,639; San Miguel, 34,672; Banang, 33,106; Cabecera, 29,057. There is a small resident Spanish population, but a large number of Chinese. The native inhabitants are mostly of the Malayan race, but there are some tribes of Negritos. The Government is administered by a governor-general and a captain-general, and the 43 provinces are ruled by governors, alcaldes, or commandants, according to their importance and position.

The estimated revenue of the Philippine Islands in 1894-95 was 2,715,980*l.*, and expenditure 2,656,026*l.* There is an export duty on tobacco, and almost every article of foreign production is heavily taxed on being imported. On muslins and petroleum the duty is about 100 per cent. of the cost.

The chief products are hemp, 80,183 tons in 1892; 97,787 tons in 1893; sugar, 246,978 tons in 1892; 261,686 tons in 1893; coffee, 1,322 tons in 1892; 307 tons in 1893; copra, 11,525 tons in 1893; tobacco-leaf exported, 230,616 quintals in 1893; cigars exported, 138,438,000 in 1893; indigo, 940 quintals in 1893.

The total value of exports was in 1893 30,500,000 dollars. Chief exports in 1893: sugar, 18,000,000 dollars; hemp, 10,000,000 dollars. The total value of imports in 1893 was 25,000,000 dollars. The chief imports are rice, flour, wines, dress, petroleum, coal. The average value of imports for five years (1888-92) was 22,252,260 dollars, and on an average about 34 per cent. of the value was from the United Kingdom, 21 per cent. from Hong Kong and Amoy, 13 per cent. from Spain, and 10 per cent. from Singapore and British India. Imports into Spain from the Philippine Islands in 1893, 23,059,542 pesetas; exports to Philippine Islands, 18,939,888 pesetas. The total imports into Great Britain in 1893 were of the value of 2,179,696*l.*, and the exports of British produce to the Philippine Islands 723,736*l.* The chief articles of import into Great Britain in 1893 were hemp, of the value of 970,244*l.* and unrefined sugar, of the value of 1,083,668*l.* Of the British exports in 1893, the value of 474,916*l.* was for cotton manufactures and yarn. In 1893 359 vessels of

392,373 tons (209 of 251,619 tons British) entered, and 355 of 405,682 tons (210 of 263,053 tons British) cleared the ports of Manila, Iloilo, and Cebu. There are 720 miles of telegraph in the islands, and 70 miles of railway.

The coin in use is the Mexican dollar.

*British Consul (Manila).*—William Stigand.

### Statistical and other Books of Reference.

#### 1. OFFICIAL PUBLICATIONS.—SPAIN.

- Anuario oficial de correos y telégrafos de España. Madrid.  
 Anuario de primera enseñanza. Madrid.  
 Boletín mensual de estadística demográfico-sanitaria de la península é islas adyacentes.  
 Censo de la poblacion en España. 1887. Madrid, 1889.  
 Estadística general de comercio exterior de España, con sus provincias de ultramar y potencias extranjeras en 1892; formada por la Direccion General de Aduanas. 8. Madrid, 1893.  
 Estado general de la armada para el año de 1893. Madrid, 1894.  
 Estadística general de primera enseñanza correspondiente al decenio que terminó en 31 de Diciembre de 1880. Madrid, 1883.  
 Estadística mineral de España, correspondiente al año de 1891. Madrid, 1894.  
*Gaceta de Madrid.* 1894.  
 Lista oficial de los buques de guerra y mercantes de la marina Española. Madrid, 1893.  
 Memoria sobre las obras públicas de 1892. Madrid, 1894.  
 Situacion de los ferro-carriles en 1º de Enero de 1894. Madrid, 1894.  
 Presupuestos generales del estado para el año económico 1894-95. Madrid, 1894.  
 Resena geográfica y estadística de España por la Direccion General del Instituto Geográfico y Estadístico. Madrid, 1888.  
 Foreign Office Reports, Annual Series and Miscellaneous Series. London.  
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.

#### 2. NON-OFFICIAL PUBLICATIONS.

- Alcover (José).* La Industria Nacional. 8. Madrid, 1888.  
*Black's Guide to Spain and Portugal.* 9th ed. 8. London, 1892.  
*Charnock (Dr.),* Illustrated Handbook to Spain and Portugal. London, 1892.  
*Elliot (Frances),* Diary of an Idle Woman in Spain. 2 vols. 8. London, 1884.  
*Gallenga (A.),* Iberian Reminiscences. 2 vols. 8. London, 1883.  
*Gomez de Arteche (J.),* Geografía de España. Madrid, 1880.  
 España sus Monumentos y Artes, su Naturaleza e Historia. [A series of volumes by various writers.] 8. Barcelona. 1885-87.  
*Lavigne (Germond de),* L'Espagne et le Portugal. 8. Paris, 1883.  
*Muro Martínez (J.),* Constituciones de España. 2 vols. Madrid, 1881.  
*Murray's Handbook for Spain.* London, 1892.  
*Polin (D. José Lopez),* Diccionario estadístico municipal de España. 4. Madrid, 1863.  
*Poole (S. Lane),* The Moors in Spain. In the Story of the Nations Series. 8. London, 1886.  
*Reclus (Elisée),* Géographie universelle. Vol. I. Paris, 1879.  
*Ritano (J. F.),* The Industrial Arts in Spain. 8. London.  
*Rose (H. J.),* Among the Spanish People. 2 vols. 8. London.  
*Salvani (J. T.),* España á fines del siglo xix. Madrid, 1891.  
*Sève (E.),* La situation économique de l'Espagne. Bruxelles, 1887.  
*Webster (Rev. Wentworth),* Spain, in 'Foreign Countries and British Possessions.' London, 1882.  
*Willkomm (Heinrich Moritz),* Das pyrenäische Halbinselland. 8. Leipzig, 1836.  
*Wood (C. W.),* Letters from Majorca. 8. London.

#### 3. COLONIES.

- Ford (I. N.),* Tropical America. 8. London, 1893.  
*Foreman (John),* The Philippine Islands. London, 1891.  
*Gallenga (A.),* The Pearl of the Antilles [Cuba]. 8. London, 1873  
*Hazard (S.),* Cuba with Pen and Pencil. London, 1873.  
*Jagor (F.),* Reisen in den Philippinen. 8. Berlin, 1873.  
*Montero y Vidal (José),* Historia General de Filipinas . . . hasta nuestras dias. 8. Madrid, 1887.  
*Palgrave (W. G.),* Ulysses, or Scenes and Studies in Many Lands. [Chapter on Malay Life in the Philippines]. 8. London, 1887.  
*Piron (Hippolyte),* L'Isle de Cuba. Paris, 1876.  
*Romera (D. W. J. de la),* Vol. on Cuba, Puerto Rico and the Philippines in España, sus Monumentos y Artes, &c. 8. Barcelona, 1887.  
 Report on the Trade of Philippine Islands, in *Deutsches Handels-Archiv* for November 1894. Berlin.  
 Foreign Office Reports. Annual Series and Miscellaneous Series. London.

## SWEDEN AND NORWAY.

(SVERIGE OCH NORGE.)

### Reigning King.

**Oscar II.**, born January 21, 1829; the third son of King Oscar I., and of Queen Josephine, daughter of Prince Eugene of Leuchtenberg. Succeeded to the throne at the death of his brother, King Carl XV., Sept. 18, 1872. Married June 6, 1857, to Queen *Sophia*, born July 9, 1836, daughter of the late Duke Wilhelm of Nassau.

### *Children of the King.*

I. Prince *Gustaf*, Duke of Wermland, born June 16, 1858. Married Sept. 20, 1881, to Princess Victoria, born Aug. 7, 1862, daughter of the Grand Duke of Baden. Issue, Prince Gustaf Adolf, Duke of Scania, born Nov. 11, 1882; Prince Carl Wilhelm, Duke of Södermanland, born June 17, 1884; and Prince Erik Ludvig Albert, Duke of Vestmanland, born April 20, 1889.

II. Prince *Oscar*, born Nov. 15, 1859. Renounced his succession to the throne and married March 15, 1888, Ebba Munck of Fulkila, born Oct. 24, 1858.

III. Prince *Carl*, Duke of Westergötland, born Feb. 27, 1861.

IV. Prince *Eugen*, Duke of Nerike, born Aug. 1, 1865.

King Oscar II. is the fourth sovereign of the House of Ponte Corvo, and grandson of Marshal Bernadotte, Prince de Ponte Corvo, who was elected heir-apparent of the crown of Sweden by the Parliament of the Kingdom, Aug. 21, 1810, and ascended the throne Feb. 5, 1818, under the name of Carl XIV. Johan. He was succeeded at his death, March 8, 1844, by his only son Oscar. The latter died July 8, 1859, and was succeeded by his eldest son Carl XV., at whose premature death, without male children, the crown fell to his next surviving brother, the present King.

The royal family of Sweden and Norway have a civil list of 1,320,000 kronor, or 73,340*l.*, from Sweden, and 485,083 kronor, or 26,949*l.*, from Norway. The sovereign, besides, has an annuity of 300,000 kronor, or 16,666*l.*, voted to King Carl XIV. and his successors on the throne of Sweden.

The following is a list of the kings and queens of Sweden, with the dates of their accession, from the accession of the House of Vasa :—

<i>House of Vasa.</i>	
Gustaf I. . . . .	1521
Eric XIV. . . . .	1560
Johan III. . . . .	1568
Sigismund . . . . .	1592
Carl IX. . . . .	1599
Gustaf II. Adolph . . . . .	1611
Christina . . . . .	1632

<i>House of Pfaltz.</i>	
Carl X. . . . .	1654
Carl XI. . . . .	1660
Carl XII. . . . .	1697
Ulrika Eleonora . . . . .	1718

<i>House of Hesse.</i>	
Fredrik I. . . . .	1720

<i>House of Holstein-Gottorp.</i>	
Adolph Fredrik . . . . .	1751
Gustaf III. . . . .	1771
Gustaf IV. Adolf . . . . .	1792
Carl XIII. . . . .	1809

<i>House of Ponte Corvo.</i>	
Carl XIV. . . . .	1818
Oscar I. . . . .	1844
Carl XV. . . . .	1859
Oscar II. . . . .	1872

By the treaty of Kiel, Jan. 14, 1814, Norway was ceded to the King of Sweden by the King of Denmark, but the Norwegian people did not recognise this cession, and declared themselves independent. A Constituent Assembly met at Eidsvold, and having adopted, on May 17, a Constitution, elected the Danish Prince Christian Fredrik King of Norway. The Swedish troops, however, entered Norway without serious resistance, and, the foreign Powers refusing to recognise the newly elected King, the Norwegians were obliged to conclude, August 14, the Convention of Moss, by which the independency of Norway in union with Sweden was solemnly proclaimed. An extraordinary Storting was then convoked, which adopted the modifications in the Constitution made necessary by the union with Sweden, and then elected King Carl XIII. King of Norway, November 4, 1814. The following year was promulgated a charter, the Riksakt, establishing new fundamental laws on the terms that the union of the two Kingdoms be indissoluble and irrevocable, without prejudice, however, to the separate government, constitution, and code of laws of either Sweden or Norway.

The law of succession is the same in Sweden and Norway. In case of absolute vacancy of the throne, the two Diets assemble for the election of the future sovereign, and should they not be able to agree upon one person, an equal number of Swedish and Norwegian deputies have to meet at the city of Karlstad, in Sweden, for the appointment of the king, this nomination to be absolute. The common affairs are decided upon in a Council of State composed of Swedes and Norwegians. In case of minority of the king, the Council of State exercises the sovereign power until a regent or council of regency is appointed by the united action of the Diets of Sweden and Norway.

## 1. SWEDEN.

### Constitution and Government.

#### I. CENTRAL GOVERNMENT.

The fundamental laws of the Kingdom of Sweden are :—1. The Constitution or *Regerings-formen* of June 6, 1809; 2. The amended regulations for the formation of the Diet of June 22, 1866; 3. The law of royal succession of September 26, 1810; and 4. The law on the liberty of the press of July 16, 1812. According to these statutes, the king must be a member of the Lutheran Church, and have sworn fealty to the laws of the land. His person is inviolable. He has the right to declare war and make peace, after consulting the Council of State. He nominates to all higher appointments, both military and civil; concludes

foreign treaties, and has a right to preside in the supreme Court of Justice. The princes of the blood royal, however, are excluded from all civil employments. The king possesses legislative power in matters of political administration, but in all other respects that power is exercised by the Diet in concert with the sovereign, and every new law must have the assent of the crown. The right of imposing taxes is, however, vested in the Diet. This Diet, or Parliament of the realm, consists of two Chambers, both elected by the people. The First Chamber consists (1895) of 150 members, or one deputy for every 32,161 of the population. The election of the members takes place by the 'Landstings,' or provincial representations, 25 in number, and the municipal corporations of the towns, not already represented in the 'Landstings,' Stockholm, Göteborg, Malmö, Norrköping and Gefle. All members of the First Chamber must be above 35 years of age, and must have possessed for at least three years previous to the election either real property to the taxed value of 80,000 kronor, or 4,444*l.*, or an annual income of 4,000 kronor, or 223*l.* They are elected for the term of nine years, and obtain no payment for their services. The Second Chamber consists (Autumn 1894) of 228 members, of whom 83 are elected by the towns and 145 by the rural districts, one representative being returned for every 10,000 of the population of towns, one for every 'Domsaga,' or rural district, of under 40,000 inhabitants, and two for rural districts of over 40,000 inhabitants. After the general elections in 1896 this Chamber will consist of 230 members, of whom 80 will represent the towns, and 150 the rural districts. All natives of Sweden, aged 21, possessing real property to the taxed value of 1,000 kronor, or 56*l.*, or farming, for a period of not less than five years, landed property to the taxed value of 6,000 kronor, or 333*l.*, or paying income tax on an annual income of 800 kronor, or 45*l.*, are electors; and all natives, aged 25, possessing, and having possessed at least one year previous to the election, the same qualifications, may be elected members of the Second Chamber. The number of qualified electors to the Second Chamber in 1893 was 298,810, or 6·2 of the population; only 126,691, or 42·4 of the electors, actually voted. In the smaller towns and country districts the election may either be direct or indirect, according to the wish of the majority. The election is for the term of three years, and the members obtain salaries for their services, at the rate of 1,200 kronor, or 67*l.*, for each session of four months, or, in the case of an extra session 10 kronor (11*s.*) a day, besides travelling expenses. The salaries and travelling expenses of the deputies are paid out of the public purse. The members of both Chambers are elected by ballot, both in town and country.

The executive power is in the hands of the King, who acts under the advice of a Council of State, the head of which is the Minister of State. It consists of ten members, seven of whom are ministerial heads of departments and three without department, and is composed as follows :—

1. Erik Gustaf *Boström*, Minister of State ; appointed July 10, 1891.
2. Count Carl *Levenhaupt*, Minister of Foreign Affairs ; appointed October 12, 1889.
3. August *Östergren*, Minister of Justice ; appointed June 12, 1889.
4. Baron A. E. *Rappe*, Minister of War ; appointed June 22, 1892.
5. Jarl Casimir Eugène *Christerson*, Minister of Marine ; appointed December 16, 1892.
6. Victor Lennart *Groll*, Minister of the Interior ; appointed October 12, 1889.
7. Baron Fredrik von *Essen*, Minister of Finance ; appointed February 6, 1888.
8. Gustaf Fredrik *Gilljam*, Minister of Education and Ecclesiastical Affairs ; appointed November 6, 1891.
9. Baron Albert Lars Evert *Akerhielm* ; appointed September 28, 1888.
10. Sven Herman *Wikblad* ; appointed October 12, 1889.

All the members of the Council of State are responsible for the acts of the Government.

## II. LOCAL GOVERNMENT.

The provincial administration is entrusted in Stockholm to a Governor-General, and in each of the 24 governments to a prefect, who is nominated by the King. As executive officers of the prefects there are 117 baillies (*Kronofogdar*) and 520 sub-officers (*Länsmän*). The right of the people to regulate their own local affairs is based on the communal law of March 21, 1862. Each rural parish, and each town, forms a commune or municipality in which all who pay the local taxes are voters. Each commune has a communal or municipal council. The communal assembly or municipal council decides on all questions of administration, police and communal economy. Ecclesiastical affairs and questions relating to primary schools are dealt with by the parish assemblies, presided over by the pastor of the parish. Each government has a general council which regulates the internal affairs of the government. The council meets annually for a few days in September under a president appointed by the King from among its members. The members are elected by the towns and provincial districts. Towns having a population of over 25,000 are administered separately by their municipal councils: these towns are Stockholm, Göteborg, Malmö, Norrköping and Gefle.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

The first census took place in 1749, and it was repeated at first every third year, and subsequently, after 1775, every fifth year. At present, a general census is taken every ten years, beside which there are annual numerations of the people.

The area and population of Sweden, according to the census

taken on December 31, 1890, and as estimated on December 31, 1893, are as follows :—

Governments (Län)	Area: English square miles	Population Dec. 31, 1890	Population Dec. 31, 1893	Pop. per square mile 1893
Stockholm (city)	13	246,454	257,037	19,772·1
Stockholm (rural district)	3,015	152,715	154,634	51·2
Upsala	2,051	121,091	122,008	59·4
Södermanland	2,631	154,991	158,051	60·1
Östergötland	4,267	266,619	266,892	62·5
Jönköping	4,447	193,704	193,268	43·4
Kronoberg	3,825	160,835	158,304	41·4
Kalmar	4,443	232,847	228,577	51·4
Gotland	1,219	51,337	51,141	41·9
Blekinge	1,164	142,602	141,925	121·9
Kristianstad	2,486	221,691	218,752	87·9
Malmöhus	1,866	368,817	374,621	200·7
Halland	1,900	136,106	137,002	72·1
Göteborg and Bohus	1,948	297,824	304,625	156·4
Elfsborg	4,938	275,780	272,079	55·1
Skaraborg	3,280	247,074	243,227	74·1
Vernland	7,435	253,326	250,935	33·7
Örebro	3,498	182,557	184,708	52·8
Vestmanland	2,625	137,453	140,154	53·4
Kopparberg	11,522	197,449	201,674	17·5
Gefleborg	7,614	206,924	211,832	27·8
Vesternorrland	9,837	208,763	212,660	21·6
Jemtland	19,712	100,455	101,234	5·1
Vesterbotten	22,754	122,784	128,617	5·6
Norrbottn	40,870	104,783	110,193	2·7
Lakes Venern, Vettern, Mälaren, Hjelmaren	3,516	—	—	—
Total	172,876	4,784,981	4,824,150	27·9

In 1893 there were 2,336,825 males and 2,487,325 females.  
The growth of the population has been as follows :—

Year	Population	Increase per ct. per annum	Year	Population	Increase per ct. per annum
1800	2,347,303	—	1860	3,859,728	1·08
1820	2,584,690	0·5	1870	4,168,525	0·80
1840	3,138,887	1·07	1880	4,565,668	0·95
1850	3,482,541	1·09	1890	4,784,981	0·50

With the exception of (1890) 21,817 Finns, 6,842 Lapps, and some thousands others, the Swedish population is entirely of the Scandinavian branch of the Aryan family.

In 1890 the foreign-born population numbered 24,548, of whom 4,066 were born in Germany, 5,401 in Denmark, 6,287 in Norway, 4,609 in Finland, 1,195 in Russia, 598 in the United Kingdom, and 1,482 in the United States.

According to civil condition the population was divided as follows in 1890 :—

—	Male	Female	—	Male	Female
Unmarried	1,431,843	1,460,664	Widowed .	88,580	199,930
Married .	795,463	804,613	Divorced .	1,301	2,587

The following table shows the leading occupations of the people in 1880, including the families and dependents of those directly employed :—

Agriculture, &c. :		Timber works . . . . .	33,926
Landed and farm proprietors	1,238,126	Various manufactures . . . . .	384,654
Farmers, overseers, &c. . . . .	271,752	Trade and locomotion . . . . .	222,291
Planters, &c. . . . .	481,752	Officials and military . . . . .	206,693
Crofters, cottagers, &c. . . . .	318,608	Learning and literature . . . . .	34,737
Dairy-keepers . . . . .	6,872	Medicine, &c. . . . .	34,144
Gardeners . . . . .	11,859	Owners, pensioners, &c. . . . .	251,185
Fisheries . . . . .	28,875	Mechanics, servants, &c. . . . .	782,099
Mining and metal works. . . . .	157,786	Various . . . . .	51,982

## II. MOVEMENT OF THE POPULATION.

### 1. Births, Deaths, and Marriages.

Year	Total living Births	Of which Illegitimate.	Stillborn	Marriages	Deaths exclusive of Stillborn	Surplus of Births over Deaths
1888	136,451	13,872	3,762	28,075	75,831	60,620
1889	132,069	13,288	3,517	28,478	76,124	55,945
1890	133,597	13,648	3,557	28,611	81,824	51,773
1891	135,516	13,718	3,556	27,940	80,603	54,913
1892	129,622	13,595	3,363	27,338	85,894	43,728

### 2. Emigration.

Year	Immi-grants	Total Emigrants	To America	Year	Immi-grants	Total Emigrants	To America
1887	4,642	50,786	46,252	1890	6,030	34,212	29,487
1888	4,821	50,323	45,561	1891	6,114	42,776	36,134
1889	5,504	33,363	28,529	1892	6,511	45,504	40,990

## III. PRINCIPAL TOWNS.

The population of Sweden is mainly rural. In 1871 the town population numbered only 551,106, and in 1893, 934,918, showing an increase of 70 per cent., or more than five times the rate of the general average of the Kingdom.

The following towns had more than 10,000 inhabitants at the end of 1893 :— Stockholm, 257,037 ; Göteborg, 108,801 ; Malmö, 50,970 ; Norrköping, 34,114 ; Gefle, 25,013 ; Karlskrona, 21,752 ; Helsingborg, 21,214 ; Upsala, 21,021 ; Jönköping, 20,169 ; Lund, 15,338 ; Örebro, 15,229 ; Sundsvall, 13,767 ; Linköping, 12,979 ; Halmstad, 12,907 ; Landskrona, 12,804 ; Kalmar, 11,872 ; Eskilstuna, 11,213 ; Söderhamn, 10,112.



### Religion.

The mass of the population adhere to the Lutheran Protestant Church, recognised as the State religion. There are 12 bishoprics, and 2,410 rural parish churches and chapels in 1894. At the census of 1890, the number of 'Evangelical Lutherans' was returned at 4,735,218, the Protestant Dissenters, Baptists, Methodists, and others numbering 44,336, including 23,307 unbaptized children. Of other creeds, there were 1,390 Roman Catholics, 46 Greek-Catholics, 313 Irvingites, 3,402 Jews, and 234 Mormons. No civil disabilities attach to those not of the national religion. The clergy are chiefly supported from the parishes and the proceeds of the Church lands.

### Instruction.

The Kingdom has two universities, at Uppsala and Lund, the former frequented by 1,446 and the latter by 638 students in the spring of 1894. Education is well advanced in Sweden. In 1893 there were 75 public high schools, with 14,608 pupils; 25 people's high schools, 947 pupils; 12 normal schools for elementary school teachers, 1,001 pupils; 2 high and 6 elementary technical schools; 10 navigation schools, 446 pupils; 19 institutions and schools for deaf mutes and blinds; besides medical schools, military schools, veterinary and other special schools. Public elementary instruction is gratuitous and compulsory, and children not attending schools under the supervision of the Government must furnish proofs of having been privately educated. In 1891 there were 10,799 elementary schools, with 14,135 teachers and 694,218 pupils. In 1892 the expenditure on elementary education was 13,660,370 kronor, of which more than one-fourth came from the national funds. Among the recruits (Beväring) of 1893 only 0·11 per cent. were unlettered, only 0·83 per cent. unable to write.

### Justice and Crime.

The administration of justice is entirely independent of the Government. Two functionaries, the Justitie-Kansler, or Chancellor of Justice, and the Justitie-Ombudsman, or Attorney-General, exercise a control over the administration. The former, appointed by the King, acts also as a counsel for the Crown; while the latter, who is appointed by the Diet, has to extend a general supervision over all the courts of law. The Kingdom, which possesses one Supreme Court of Judicature, is divided into 3 high court districts and 207 district courts divisions, of which 90 are urban districts and 117 country districts.

In town these district courts (or courts of first instance) are held by the burgomaster and his assessors; in the country by a judge and 12 jurors—peasant proprietors—the judge alone deciding, unless the jurors unanimously differ from him, when their decision prevails. In Sweden trial by jury only exists for affairs of the press.

In 1892, 1,649 men and 278 women were sentenced for serious crimes; at the end of 1892, 1,958 hard-labour prisoners.

### Pauperism.

Each commune is bound to assist children under 15 years of age, if their circumstances require it, and all who from age or disease are unable to support themselves. In other cases the communal poor board decides what course to take. Each commune and each town (which may be divided) constitutes a poor district, and in each is a board of public assistance. In 1892 these districts possessed workhouses and similar establishments to the number of 1,849, capable of lodging 43,575 people.

The number of paupers assisted in 1860 was 132,982; in 1870, 204,378; in 1880, 219,532; in 1892, 253,847. Of the last 77,762 were in the towns.

## Finance.

The budgets of revenue and expenditure for the years 1894 and 1895 were as follows :—

Revenue	1894	1895	Expenditure	1894	1895
	Kronor	Kronor		Kronor	Kronor
Domains, railway, land taxes, &c. . .	18,907,000	19,416,000	(a) Ordinary :		
Customs . . . . .	37,000,000	30,000,000	Royal Household . . . . .	1,320,000	1,320,000
Post . . . . .	8,100,000	8,173,000	Justice . . . . .	3,887,900	3,887,900
Stamps . . . . .	3,500,000	5,300,000	Foreign Affairs . . . . .	606,750	606,750
Impost on spirits, &c. . . . .	16,300,000	20,800,000	Army . . . . .	24,213,000	24,809,088
Impost on income . . . . .	10,000,000	10,700,000	Navy . . . . .	6,908,156	6,978,900
Net profit of the State Bank . . . . .	2,801,447	2,480,000	Interior . . . . .	4,804,711	5,593,188
Surplus from the previous years . . . . .	53,453	172,000	Education and Ecclesiastical Affairs . . . . .	12,880,675	13,003,010
			Finance . . . . .	16,809,066	17,270,200
			Pensions . . . . .	3,099,755	3,101,290
				74,530,013	76,570,326
			(b) Extraordinary . . . . .	10,636,887	8,836,874
			(c) Expenditure thro' the Riksgäldskontor : . . . . .		
			Payment of loans and Miscellaneous (Diet, &c.) . . . . .	11,145,000	11,283,800
			(d) Carried to floating capital . . . . .	—	—
			Fund for redeeming of rents from copyholds . . . . .	—	—
			Fund for building a new house for the Diet and the State Bank . . . . .	250,000	250,000
			Fund for insurance against accidents of workers . . . . .	100,000	100,000
Total revenue . . . . .	96,661,900	97,041,000	Total expenditure . . . . .	96,661,900	97,041,000

Of the extraordinary expenditure the army claims 2,207,112 kronor, the navy 1,739,360 kronor, the interior 1,779,812 kronor, pensions 1,540,000 kronor. The land tax (including the maintenance of the army *Indelta*) amounts to an average of 1·5s. per head of the population. The value of the land and house property of Sweden is thus returned for 1893 :—

Taxed :	Kronor
Agricultural land in the country . . . . .	2,210,963,600
"    "    in the towns . . . . .	42,298,800
Other real estate in the country . . . . .	353,343,600
"    "    in the towns . . . . .	1,183,289,530
Total (1893) . . . . .	3,789,895,530

## Untaxed real estate (1893):

National	{ In the country . . . .	153,485,170
	{ In the towns . . . .	61,146,150
Belonging to commonalties, academies, &c.	{ In the country . . . .	105,654,340
	{ In the towns . . . .	120,500,825
Total (1893) . . . .		440,786,485

Grand total (1893) . . . . 4,230,682,015

The expenditure for the Church is chiefly defrayed by the parishes and out of the revenue of landed estates belonging to the Church, and the amounts do not appear in the budget estimates. A part of the cost for maintaining the army *Indelta* also does not appear in the budget. The expenses for public instruction are in great part defrayed by the parishes.

On January 1, 1894, the public liabilities of the Kingdom, contracted entirely for railways, were as follows:—

	Kronor
Funded railway loan of 1860 without interest . . . .	637,778
„ „ „ 1878 „ 4 „ . . . .	15,835,702
„ „ „ 1880 „ 4 „ . . . .	107,375,400
„ „ „ 1886 „ 3½ „ . . . .	59,551,111
„ „ „ 1887 „ 3 <sup>6</sup> / <sub>10</sub> „ . . . .	26,691,500
„ „ „ 1888 „ 3 „ . . . .	26,666,667
„ „ „ 1890 „ 3½ „ . . . .	34,712,444
Provisional loan „ 1891 „ 4 „ . . . .	7,200,000
Total . . . .	278,670,602

All the loans are paid off gradually by means of sinking funds. The debt amounts to about 3*l.* 4*s.* per head of the population, and the interest to about 2*s.* 5*d.*; but as the railway receipts amount to nearly two-thirds of the interest, the charge per head is nominal.

The income of the communes in 1892 was 64,517,225 kronor, and the expenditure 71,546,539 kronor. Their assets amounted to 279,094,161 kronor, and their debts to 175,138,725 kronor. The revenue of the provincial representative bodies was 3,440,663 kronor, and expenditure 3,550,463 kronor; their assets 12,474,087 kronor, and debts 3,785,382 kronor.

### Defence.

The chief fortifications of Sweden are, on the coast, Karlskrona with Kungsholmen and Westra Hästholmen, Stockholm with Vaxholm-Oscar-Fredriksborg; in the interior, Karlsborg, near Lake Wetter.

The Swedish army is composed of three distinct classes of troops. They are:—

1. The *Värfvade*, or enlisted troops, to which belong the royal lifeguards, two regiments of infantry, one battalion of chasseurs, two battalions of infantry, one regiment of hussars, the artillery, the engineers, and the train.

2. The *Indelta*, consisting of 21 regiments and one corps of infantry, and 6 regiments of cavalry, of these, however, 3 infantry regiments contain *Värfvade* troops, and 3 cavalry regiments are to be re-organized as *Värfvade* regiments. The privates of

cavalry (*Indelta*) are paid and kept by the Landowners. Every soldier of the *Indelta* has, as a rule, besides a small annual pay, his *torp*, or cottage, with a piece of ground attached, which remains his own during the whole period of service, sometimes extending to thirty years, but he may instead take money payment. There is about 6 months' training for recruits in the infantry and 7 months' in the cavalry, after which they are annually called out for 22 or 23 days' practice.

3. The *Värnpligtige*, or conscription troops, drawn by annual levy from the male population between the ages of 21 and 40 years, of which the first 12 classes are called *Beväring*, the 8 others *Landstorm*. The right of purchasing substitutes, which formerly existed, was abolished by the Diet in 1872. The *Värnpligtige* are divided among the *Värfvade* and the *Indelta* troops, and are mobilised with these. The *Beväring* undergoes 90 days' training, which in the navy and also in the cavalry is completed in the first year; in the other forces 68 days in the first year and 22 in the second. The *Landstorm* is in time of war formed in separate troops. *Beväring* of first year, about 24,000 men; of the 12 years, about 228,000. *Landstorm* of the 8 years, about 100,000.

The total strength of the armed forces of Sweden, according to the re-organization carried out in 1892, consists of:—

Permanent Army	Officers	Non-commissioned Officers	Musicians	Men (exclusive of Musicians)	Civil and Civilitary persons	Total	Field-guns	Horses
Generals . . . . .	9	—	—	—	—	9	—	30
General Staff and Staff-College . . . . .	39	2	—	—	185	226	—	81
Infantry . . . . .	1,232	1,132	1,280	23,612	199	27,455	—	242
Cavalry . . . . .	232	210	152	4,615	60	5,269	—	5,318
Artillery . . . . .	298	255	167	3,272	141	4,133	240	1,001
Engineers . . . . .	77	58	21	821	13	990	—	87
Train . . . . .	66	124	24	522	36	772	—	112
<b>Total . . . . .</b>	<b>1,953</b>	<b>1,781</b>	<b>1,644</b>	<b>32,842</b>	<b>634</b>	<b>38,854</b>	<b>240</b>	<b>6,871</b>
Reserves 1894 . . . . .	589	421	—	—	36	1,046	—	—

The Swedish navy is maintained wholly for coast defence. In September 1892, a committee appointed to consider the subject recommended a considerable increase in the floating strength, but the proposals were rejected by the Lower House. Three small armourclads, a scout, a transport, and harbour vessel are contemplated. The strength of the navy, excluding training ships, transports, and non-effective vessels, estimated upon the uniform plan

adopted in this volume (which is explained in the Introductory Table), may be stated thus:—Battleships, *nül*; 17 port-defence vessels; 1 second class cruiser; 10 third class cruisers *a*, and 7 *b*; torpedo boats, second class, 16, third class, 2; total 53.

The *Göta* and *Svea*, turret armour-clads, respectively of 3,070 and 2,900 tons displacement, with 11½ inches maximum armour, two 27-ton breech-loading guns in a single turret, and four 6-inch guns on the upper deck, are, with one exception, the largest ironclads of the Swedish navy. This exception is the coast defence vessel *Thule*, which was launched in March 1893. She has many points in common with the *Göta* and *Svea*, but is slightly larger, and is provided with a ram. Her principal dimensions are:—Length, 261 feet; beam 48ft.; draught, 16 feet; displacement, 3,156 tons. The superstructure and sides are protected by steel armour varying in thickness from 11·6 to 7·7 inches. The principal armament consists of two 10-inch (27-ton) Armstrong B.L. guns coupled in a turret protected by 11 inches of steel, and revolving through an arc of 292°. Engines of 3,200 I.H.P. give a speed of 15 knots, or with forced draught, 16 knots. Next to these comes the monitor *Loke*, of 1,580 tons displacement, and 430 horse-power, launched in 1871. The other three monitors, named *John Ericsson*, *Thordön*, and *Tirfing*, of earlier construction, are nearly the same size. They have 5-inch armour at the water-line, and each carries two 15-ton guns in a turret. In addition are 9 armoured gun-vessels for coast defence, between 460 and 240 tons, and dating from 1869–75. The most important of the unprotected vessels is the second class cruiser (corvette) *Freja* (2,000 tons, 12 knots sea speed), launched at Malmö in 1886.

The personnel of the Royal Navy is divided into three classes, viz.: 1. The Active List; 2. The Reserve; 3. The *Beväring*. In 1892 on the active list were 4 flag-officers, 6 *kommendörer*, 24 *kommendör-kaptener*, 62 *kaptener*, 54 lieutenants, and 17 sub-lieutenants, while 107 commissioned officers belonged to the Reserve. The naval *Beväring* at the same date numbered about 20,000 men.

## Production and Industry.

### I. AGRICULTURE.

The number of farms in cultivation in 1892 was 329,141; of these there were of 2 hectares and under, 70,471; 2 to 20 hectares, 211,499; 20 to 100 hectares, 32,368; 100 and above, 3,147. Of the total land area of Sweden 8·2 per cent. is under cultivation, 3·9 per cent. under natural meadows, and 44·2 per cent. under forests, the products of which form a staple export.

The following table shows, in thousands of hectares, the area under the chief crops in 1892, and, in thousands of hectolitres, the yield in 1893:—

Wheat	Rye	Barley	Oats	Mixed Grain	Pulse	Potatoes
71·4	399·8	222·6	813·7	112·1	54·0	158·6
1,411·8	8,602·7	4,630·9	20,059·6	2,673·8	758·9	22,321·1

The value of all cereal crops in 1893 was estimated at 236·9 million kronor. At the end of 1892 Sweden had 493,952 horses, 2,482,922 head of cattle, 1,352,330 sheep and lambs, 682,178 pigs. In 1880 34,000 head of cattle and 29,000 sheep were exported, in 1892 respectively, 19,275 and 19,005.

## II. MINES AND MINERALS.

Mining is one of the most important departments of Swedish industry, and the working of the iron mines in particular is making constant progress by the introduction of new machinery. There were raised in the year 1892, throughout the Kingdom, 1,291,933 tons of iron ore. The pig-iron produced amounted to 478,696 tons; the bar iron to 273,510 tons. Of iron ore in 1887 41,986, in 1888 117,350, in 1889 118,573, in 1890 187,732, in 1891 174,148, and in 1892 320,071 tons were exported; of pig-iron, 49,285 in 1887, 49,099 in 1888, 79,378 in 1889, 60,125 in 1890, 63,096 in 1891, and 57,502 tons in 1892; of bar iron, 193,738 in 1887, 188,005 in 1888, 200,426 in 1889, 185,135 in 1890, 175,901 in 1891, and 179,388 tons in 1892. There were also raised in 1892 3,463 tons of gold ore, 19,803 tons of silver and lead ore, 24,069 tons of copper ore, 54,981 tons of zinc ore, and 7,832 tons of manganese ore. The gold produced amounted to 87·6 kilogrammes, the silver to 5,210·6, the lead to 798,650, the copper to 744,617. There are not inconsiderable veins of coal in the southern parts of Sweden, giving 199,380 tons of coal in 1892. In 1892 there were 31,709 persons engaged in mining.

## Commerce.

The total customs duties levied were in 1892 37,297,733, and in 1893 37,111,961 kronor. The value of the imports subject to duty in 1892 was 227,460,746 kronor; and of duty-free imports, 132,855,109 kronor.

The imports and exports of Sweden were as follows in six years:—

—	1887	1888	1889	1890	1891	1892
Imports .	Kronor 297,410,000	Kronor 324,708,784	Kronor 376,963,711	Kronor 377,187,739	Kronor 369,698,254	Kronor 360,315,855
Exports .	240,678,000	281,752,718	301,725,097	304,591,863	323,498,082	329,300,154

The following were the values of the leading imports and exports for two years:—

—	Imports 1891	Exports 1891	Imports 1892	Exports 1892
	Kronor	Kronor	Kronor	Kronor
Textile manufactures . . . . .	57,795,721	8,335,352	52,168,047	9,658,170
Corn and flour . . . . .	33,157,613	21,822,054	38,168,123	11,993,337
Colonial wares . . . . .	49,702,615	1,261,314	48,510,598	1,819,561
Raw textile material and yarn . . . . .	34,754,697	1,194,144	28,835,171	1,171,025
Minerals, mostly coal . . . . .	41,109,919	5,902,624	37,373,873	8,029,572
Metal goods, machinery, &c. . . . .	34,975,697	9,301,220	37,550,876	8,265,992
Live animals and animal food . . . . .	16,885,027	62,013,607	19,005,111	72,305,278
Hair, hides, and other animal products . . . . .	19,455,881	2,417,855	19,124,505	2,218,230
Metals, raw and partly wrought . . . . .	8,756,103	32,941,707	8,457,432	33,133,605
Timber, wrought and unwrought . . . . .	4,724,966	135,155,124	4,385,991	133,621,359
Paper and paper manufactures . . . . .	6,150,458	25,757,120	6,496,090	30,416,864
Other articles . . . . .	62,229,557	17,395,961	60,240,038	16,667,161
Total . . . . .	369,698,254	323,498,082	360,315,855	329,300,154

The values of imports and exports are calculated according to average prices in Swedish port, exclusive of Customs duties. For most of these average prices the Board of Trade (Kommers-Kollegium) follows the values published by the General Customs Office every third or fifth year; but for the most important articles merchants are consulted, and the values thus obtained are published in the Board's annual report on commerce with foreign countries. The quantities in the Customs' returns are most exactly given for

imports subject to duty. For the quantities of duty-free imports and of all exports the statements of importers and exporters are relied on. Imports are recorded as from the country of the last port of shipment, and exports as to the country which is their immediate destination. No distinction is made between general, special, and transit trade. Transit articles which have been warehoused and have paid duty are comprised in the returns of imports. The returns of the trade between Sweden and Norway may be considered as not corresponding with the real commerce.

The following shows the value of the trade with the principal countries with which Sweden deals :—

Country	1891		1892	
	Imports from	Exports to	Imports from	Exports to
	Kronor	Kronor	Kronor	Kronor
Great Britain . . .	98,655,390	146,385,142	95,224,367	150,281,436
Germany . . .	119,835,976	37,875,775	115,849,805	48,427,191
Denmark . . .	44,620,028	37,391,401	43,874,215	40,392,268
Norway . . .	33,565,261	17,427,757	35,319,209	18,227,174
Russia (including Finland) . . .	27,316,044	10,739,530	15,532,098	9,310,826
France . . .	9,056,602	34,404,272	9,572,820	19,392,036
Spain . . .	944,290	6,766,603	1,980,847	3,857,354
Netherlands . . .	8,500,629	12,637,970	9,217,445	17,419,706
Belgium . . .	8,798,639	11,892,663	12,169,053	11,422,037
United States . . .	12,934,807	663,822	12,833,767	2,447,061
Other countries . . .	5,470,588	7,313,147	8,742,229	8,123,065
Total . . .	369,698,254	323,498,082	360,315,855	329,300,154

The following table shows the trade between Sweden and the United Kingdom according to the Board of Trade Returns :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from Sweden . . .	9,207,047	8,473,656	8,509,651	8,230,651	8,416,252
Exports of British pro- duce to Sweden . . .	2,768,369	3,061,976	2,988,449	2,861,952	2,698,558

The following table shows the chief articles of import into the United Kingdom from Sweden :—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Wood & timber	4,481,337	3,951,710	3,501,180	3,895,326	3,576,733
Oats . . .	450,251	311,768	853,312	491,275	927,936
Bar iron . . .	951,873	854,418	696,315	610,397	518,209
Iron and steel manufactures	461,086	556,121	503,409	378,166	268,259
Pig iron . . .	282,216	196,489	206,753	193,523	159,381
Butter . . .	1,141,322	1,175,792	1,269,187	1,243,016	1,452,099

The leading exports of British home produce to Sweden in 1893 were iron, wrought and unwrought, of the value of 298,761*l.*; coals of the value of 783,678*l.*; cotton yarn and manufactures valued 308,172*l.*; machinery, 107,110*l.*

### Shipping and Navigation.

The commercial navy of Sweden, at the end of 1892, of vessels over 100 tons had 1,479 of a burthen of 505,711 tons, of which total 947 of 283,559 tons were sailing vessels, and 532 of 222,152 tons were steamers including small vessels. The port of Göteborg had the largest shipping in 1892—namely, 310 vessels of 97,591 tons; and next to it came Stockholm, possessing 255 vessels of a total burthen of 47,647 tons. In 1892 29,835 vessels (with cargoes and in ballast) of a burthen of 5,700,255 tons cleared Swedish ports.

Vessels entered and cleared with cargoes, as follows :—

	1889		1890		1891		1892	
	No.	Tonnage	No.	Tonnage	No.	Tonnage	No.	Tonnage
Entered	11,484	2,389,013	11,899	2,434,984	11,201	2,479,176	10,851	2,506,340
Cleared	19,164	3,887,727	20,067	4,029,937	21,385	4,327,225	21,582	4,328,554

### Internal Communications.

In 1892 71,294 ships and boats passed through the canals of Sweden.

At the end of 1893 the total length of railways in Sweden was 5,454 miles, of which 1,851 miles belonged to the State. The receipts in 1892 were 49,752,768 kronor, and expenses 31,441,936 kronor. The total cost of construction for the State railways to the end of 1892 was 270,457,787 kronor, and for private railways 266,475,442 kronor. The total number of passengers on the State railways in 1892 was 4,871,671; weight of goods carried on State railways, 3,326,657 tons; private railways 7,974,402 tons of goods, and 9,103,908 passengers.

All the telegraphs in Sweden, with the exception of those of private railway companies, belong to the State. The total length of all the telegraph lines at the end of 1892 was 7,918 miles, and of wires 23,503 miles. The number of despatches sent in the year 1892 was 2,025,469. In 1892 there were 40,455 miles of wire and 27,838 instruments employed in the telephone service.

The Swedish Post Office carried 142,593,789 letters, post-cards, journals, &c., in the year 1893. The number of post-offices at the end of the year was 2,373. The total receipts of the Post Office in 1892 amounted to 7,787,351 kronor, and the total expenditure to 7,305,372 kronor, leaving a surplus of 481,979 kronor.

### Money and Credit.

The Riks Bank, or National Bank of Sweden, belongs entirely to the State and is managed by directors elected annually by the Diet. It is a bank of exchange to regulate financial relations with foreign countries, it accepts and pays interest on deposits of money, and on sufficient security it lends money for purposes in which there is no speculative element. The Bank is under the guarantee of the Diet, its capital and reserve capital are fixed by its constitution, and its note circulation is limited by the value of its metallic stock and its assets in current accounts at home and abroad; but its actual circulation is kept far within this limit.



The following table gives statistics of the National Bank, private banks, and joint-stock banks in Sweden for January 1, 1894 :—

Assets	National Bank	Private Banks	Joint-stock Banks
	Kronor	Kronor	Kronor
Mortgages . . . . .	—	50,684,279	—
Real estate . . . . .	—	5,543,574	3,841,287
Coin and bullion . . . . .	19,741,512	20,780,458	7,775,806
Accounts with other banks . . . . .	14,043,159	37,751,635	14,610,271
State notes and bills . . . . .	19,670,153	26,591,200	13,167,052
Stocks, shares, mortgages, &c. . . . .	—	—	64,638,169
Bills . . . . .	37,300,804	151,443,192	48,405,842
Loans, public obligations, shares, &c. . . . .	32,835,909	118,697,318	53,967,198
Cash credits, &c. . . . .	16,771,445	83,141,408	24,968,094
Totals . . . . .	140,362,982	494,633,064	231,373,719
Liabilities			
Bank notes and bills . . . . .	49,393,257	70,451,185	3,462,807
Liabilities with other banks . . . . .	2,534,204	39,867,849	14,107,138
Deposits . . . . .	10,157,163	238,608,847	71,857,601
Capital . . . . .	50,000,000	58,926,000	31,467,753
Reserve . . . . .	5,000,000	14,453,885	11,305,203
To be paid out to the public treasury . . . . .	2,801,447	—	—
Various liabilities . . . . .	16,356,991	66,203,219	98,377,642
To further disposition . . . . .	4,119,920	6,122,079	795,575
Totals . . . . .	140,362,982	494,633,064	231,373,719

The savings-banks statistics (exclusive of Post Office) are as follows :—

—	1889	1890	1891	1892
Number of depositors . . . . .	1,062,231	1,089,421	1,090,227	1,095,788
Deposits at end of year, kronor . . . . .	274,446,209	281,726,996	291,187,398	298,456,053
Capital and reserve fund „ . . . . .	22,184,728	23,648,545	25,231,490	26,531,754

At the end of 1892 the Post Office Savings Bank had 300,299 depositors and 19,508,440 kronor of deposits.

## 2. NORWAY.

### Constitution and Government.

#### I. CENTRAL GOVERNMENT.

The Constitution of Norway, called the Grundlov, bears date November 4, 1814, with several modifications passed at various times up to 1892. It vests the legislative power of the realm in the Storting, or Great Court, the representative of the sovereign people. The King, however, possesses the right of veto over laws passed by the Storting, but only for a limited period. The royal veto may be exercised twice ; but if the same bill pass three Storthings formed by separate and subsequent elections, it becomes the law of the land without the assent of the sovereign. The King has the command of the land and sea forces, and makes all appointments, but, except in a few cases, is not allowed to nominate any but Norwegians to public offices under the crown.

The Storting assembles every year. New elections take place every three years. The meetings take place *suo jure*, and not by any writ from the King or the executive. They begin in February each year, and must receive the sanction of the King to sit longer than two months. Every Norwegian citizen of twenty-five years of age who in the year before the election has paid income tax on an annual income of at least 500 kroner in the country districts or 800 kroner in the towns (provided that he has resided for one year in the electoral district at the time when the election takes place, and that he does not belong to the household of another as a servant), or who is or has been a public functionary appointed by the King, or possesses property in land, or has been tenant of such property for five years at least, or is a burgess of any town, or possesses real property in a town to the value of 600 kroner, is entitled to elect. Under the same conditions citizens thirty years of age, and settled in Norway for at least ten years, are entitled to be elected. The mode of election is indirect. Towards the end of every third year the people choose their deputies, at the rate of one to fifty voters in towns, where the election is administered

by the magistrate, and one to a hundred in rural sub-districts, where they meet in the parish church under the presidency of the parish minister. The deputies afterwards assemble and elect among themselves, or from among the other qualified voters of the district, the Storting representatives. No new election takes place for vacancies, which are filled by the persons already elected for that purpose, or, if not, who received the second largest number of votes. The number of electors in 1891 was 139,690, or 6·98 per cent. of total population, while 102,931 votes, or 73·7 per cent. of the whole number, were recorded. Of the total male population, 45 per cent. are 25 years of age and above. The Storting has 114 members—38 from towns, 76 from rural districts.

The Storting, when assembled, divides itself into two houses, the 'Lagthing' and the 'Odelsting.' The former is composed of one-fourth of the members of the Storting, and the other of the remaining three-fourths. The Thing nominates its own presidents. The principal ordinary business of the Storting is to enact or repeal laws, to impose taxes, to supervise the financial affairs of the kingdom, to vote the amounts required for the public expenditure, and to examine treaties concluded with foreign Powers. Questions relating to laws must be considered by each house separately. The inspection of public accounts and the revision of the Government, and impeachment before the Rigsret, belong exclusively to the Odelsting. All other matters are settled by both houses in common sitting. Before pronouncing its own dissolution, every Storting elects five delegates, whose duty it is to revise the public accounts. All new laws must first be laid before the Odelsting, from which they pass into the Lagthing to be either accepted or rejected. If the Odelsting and Lagthing do not agree, the two houses assemble in common sitting to deliberate, and the final decision is given by a majority of two-thirds of the voters. The same majority is required for alterations of the Constitution. The Lagthing and the ordinary members of the supreme court of justice (*Höiesteret*) form a high court of justice (the *Rigsret*) for the impeachment and trial of Ministers, members of the *Höiesteret*, and members of the Storting. While in session, every member of the Storting has an allowance of twelve kroner (13s. 4d.) a day, besides travelling expenses.

The executive is represented by the King, who exercises his authority through a Council of State, composed of two Ministers of State and at least seven Councillors. Two of the Councillors, who change every year, together with one of the Ministers, form a delegation of the Council of State, residing at Stockholm, near the King. Ministers and Councillors of State are entitled to be present in the Storting and to take part in the discussions, when public, but without a vote. The following are the members of the Council of State:—

(1.) *Council of State at Kristiania.*

*Minister of State.*—Emil Stang, appointed May 2, 1893.

*Department of Education and Ecclesiastical Affairs.*—Dr. Anton Christian Bang, appointed May 2, 1893.

*Department of Justice.*—Ernst Motzfeldt, appointed May 2, 1893.

*Department of the Interior.*—Peter Birch-Reichenwald, appointed March 3, 1894.

*Department of Public Works.*—Peder Nilsen, appointed May 2, 1893.

*Department of Finance and Customs.*—Ole Andreas Furu, appointed May 2, 1893.

*Department of Defence.*—Johannes Vinding Harbitz, appointed May 2, 1893.

*Revision of Public Accounts Department.*—E. Stang, Minister of State.

(2.) *Delegation of the Council at Stockholm.*

Gregers Winther Wulfsberg Gram, Minister of State, appointed May 2, 1893.

Dr. George Francis Hagerup, appointed May 2, 1893.

Lieutenant-Colonel Christian Wilhelm Engel Bredal Olsson, appointed May 2, 1893.

## II. LOCAL GOVERNMENT.

The administrative division of the country is into twenty districts, each governed by a chief executive functionary (Amtmand), viz., the towns of Kristiania and Bergen, and 18 'Amts' (counties). They are subdivided into 39 towns and 56 'Fogderier,' the latter comprising 22 'Ladesteder' (ports). There are 511 rural communes (Herreder), mostly parishes or sub-parishes (wards). The government of the Herred is vested in a council and a body of representatives. The members (from three to nine) of the former (the 'Formænd') are elected from the different wards within the Herred. The representatives, who vote the expenditure of the Herred, are three times the number of the Formænd. These bodies elect conjointly every year from among the 'Formænd' a chairman and a deputy chairman. All the chairmen of an Amt form with the Amtmand and the Fogder (sheriffs) the 'Amtsformandskab' or 'Amtsthing' (county diet), which meets yearly to settle the budget of the Amt. The Amtmand is the chairman of the diet. The towns and the ports form 58 communes, also governed by a council (4 to 12, Kristiania 15), and representatives (three times the size of the council). The members of both local governing bodies are elected, in towns and rural communes, by voters for the Storthing.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

Norway has an area of 124,445 English square miles; at the census of January 1, 1891, the population amounted to 1,988,674 present, and 2,000,917 domiciled inhabitants.

The area and population of the twenty districts (Amter) are as follows:—

Amter.	Area : English square miles	Population Jan. 1, 1891	Density per square mile
Kristiania (town) . . . . .	6	151,239	25,206·5
Akershus . . . . .	2,055	99,111	48·2
Smaalenene . . . . .	1,600	120,360	75·2
Hedemarken . . . . .	10,621	119,129	11·2
Kristians . . . . .	9,793	108,076	11·0
Buskerud . . . . .	5,790	104,769	18·1
Jarlsberg og Larvik . . . . .	896	100,957	112·7
Bratsberg . . . . .	5,865	92,034	15·7
Nedenes . . . . .	3,609	81,043	22·4
Lister og Mandal . . . . .	2,805	78,738	28·1
Stavanger . . . . .	3,532	117,008	33·1
Søndre Bergenhus . . . . .	6,026	128,213	21·3
Bergen (town) . . . . .	5	53,684	10,736·8
Nordre Bergenhus . . . . .	7,132	87,552	12·3
Romsdal . . . . .	5,788	127,806	22·1
Søndre Trondhjem . . . . .	7,184	123,817	17·2
Nordre Trondhjem . . . . .	8,791	81,236	9·2
Nordland . . . . .	14,517	131,850	9·1
Tromsö . . . . .	10,134	65,125	6·4
Finmarken . . . . .	18,296	29,170	1·6
Total . . . . .	124,445	2,000,917	16·1

There were 965,911 males, and 1,035,006 females.

Conjugal condition of the domiciled population, 1891 :—

—	Unmarried	Married	Widowed	Divorced	Not stated
Males . . . . .	602,962	323,935	37,660	308	1,046
Females . . . . .	627,498	325,952	80,263	426	867

Of the total population in 1891, 1,526,788 (76·3 per cent.) were domiciled in rural districts, and 474,129 (23·7 per cent.) in towns.

Of the total population in 1891, 1,940,838 were born in Norway, 37,905 in Sweden, 2,475 in Denmark, 2,661 in Finland, 1,738 in Germany, 655 in Great Britain or Ireland. In 1891 the number of Laps was 17,012, and of Fins, 7,420.

In 1891 the population was divided according to occupation as follows:—

Occupation	Employers, &c.	Clerks, overseers, &c.	Workmen and women	Dependents of families, &c.	Total
Administrative and professional . . . . .	{ Male 4,368 Female 1,684	12,148 3,972	2,949 1,830	16,162 15,769	35,627 23,255
Agriculture, &c. . . . .	{ Male 112,143 Female 11,216	3,231 512	126,217 74,346	166,774 161,477	408,365 247,551
Fisheries . . . . .	{ Male 41,072 Female 297	188 1	14,455 748	33,687 32,053	89,402 33,099
Mines, metal works, and other industries	{ Male 34,998 Female 29,731	5,269 304	87,089 20,120	85,204 84,844	212,560 134,999
Commerce . . . . .	{ Male 13,991 Female 6,199	10,648 4,798	9,923 2,942	M. 55,284 F. 56,745	131,360 71,926
Transport . . . . .	{ Male 3,575 Female 302	11,667 475	26,272 465		
Domestic work . . . . .	{ Male — Female 305,267 <sup>1</sup>	42 13,077	10,843 137,113 <sup>2</sup>	2,593 2,585	13,478 458,042
Occupation not stated	{ Male 1703 Female 2593	79 38	4,782 3,654	4,204 3,910	9,235 7,861
Living on private fortune, annuitants, &c.	{ Male 26,612 Female 31,109	— —	— —	3,951 4,555	30,563 35,664
Charity, public or private . . . . .	{ Male — Female —	— —	— —	20,700 24,987	20,700 24,987
Total . . . . .	{ Male 236,929 Female 386,064	43,272 23,177	282,530 241,218	388,559 386,925	951,290 1,037,384
Male and female . . . . .	622,993	66,449	523,748	775,484	1,988,674

<sup>1</sup> Married women in their own households.

<sup>2</sup> Comprising servants, children, &c., living in the house.

<sup>3</sup> Social condition unknown.

## II. MOVEMENT OF THE POPULATION.

### 1. Births, Deaths, and Marriages.

Year	Marriages	Births (exc. still-born)	Stillborn	Illegitimate, living	Deaths excl. still-born	Excess of Births
1888	12,154	61,277	1,583	4,651	33,645	27,632
1889	12,416	59,188	1,615	4,396	34,704	24,484
1890	12,922	60,108	1,657	4,225	35,492	24,616
1891	13,179	61,721	1,751	4,272	34,856	26,865
1892	12,742	59,430	1,707	4,266	35,769	23,661

### 2. Emigration.

Place of Destination	1887	1888	1889	1890	1891	1892	1893
United States . . . . .	20,706	21,348	12,597	10,898	13,249	16,814	18,690
British North America . . . . .	21	79	19	51	79	223	75
Other countries . . . . .	14	25	26	42	13	12	13
Total . . . . .	20,741	21,452	12,642	10,991	13,341	17,049	18,778

## III. PRINCIPAL TOWNS.

At the census taken January 1, 1891, the number of towns with a population of above 100,000 was one, above 20,000 four, above 10,000 five, above 5,000 nine. The population of the principal towns, January 1, 1891, was:—

Kristiania . . . . .	151,239	Fredrikstad . . . . .	12,451
Bergen . . . . .	53,684	Larvik . . . . .	11,261
Trondhjem (after the incorporation of suburbs) . . . . .	29,162	Fredrikshald . . . . .	11,217
Stavanger . . . . .	23,899	Kristiansund . . . . .	10,381
Drammen . . . . .	20,687	Skien . . . . .	8,979
Kristiansand . . . . .	12,813	Aalesund . . . . .	8,406
		Moss . . . . .	8,051

## Religion.

The evangelical Lutheran religion is the national Church and the only one endowed by the State. Its clergy are nominated by the King. All other Christian sects (except Jesuits) as well as the Jews are tolerated, and free to exercise their religion within the limits prescribed by the law and public order. Ecclesiastically Norway is divided into 6 bishoprics, 83 *Provstier* (provostships, or archdeaconries), 474 *Præstegjeld* (clerical districts). In 1891 there were 30,685 dissenters, including 1,004 Roman Catholics, 8,187 Methodists, 4,228 Baptists, 348 Mormons, 231 Quakers.

## Instruction.

Education is compulsory, the school age being from six and a half in towns and seven in the country to fourteen. In 1890 (the latest date for which there are statistics) there were in the country 6,198 public elementary schools with 230,628 pupils, and in towns 1,660 classes with 56,772 pupils; the amount expended on both being 5,539,968 kroner, raised mostly by a school-rate levied in each parish. There are 83 secondary schools: 17 public, 40 communal, 26 private. Of the secondary schools 22 have a higher department for classics, or mathematics, or both, viz. 14 public, 2 communal, 6 private. Most of the secondary schools are mixed, 18 are for girls alone: 3 communal, 15 private. The number of pupils in the secondary schools in 1890 was 11,044. Besides these, 80 private schools have 4,070 pupils more or less advanced. There are 6 normal schools with 335 students. Kristiania has a University, attended in 1893 by 1,290 students. In the financial year 1892-93 it had a subsidy of 541,326 kroner from the State.

## Justice and Crime.

For civil justice Norway is divided into 118 districts, each with an inferior court. Of these 81 are rural courts, divided into 433 circuits. The other courts are in towns. There are 3 superior courts, having each one chief justice and two other justices, and one supreme court for the whole kingdom (*Höiesteret*), consisting of 1 president and at least 6 other justices. There is a court of mediation (*Forligelseskommission*) in each town and *Herred* (district), consisting of two men chosen by the electors, before which, as a rule, civil cases must first be brought.

According to the law of criminal procedure of July 1, 1887, all criminal cases (not military, or coming under the *Rigsret*—the court for impeachments) shall be tried either by jury (*Lagmandsret*), or *Meddomsret*.

The *Lagmandsret* consists of three judges (1 *Lagmand*, or president), and 10 jurors (*Lagrettemand*). The Kingdom is divided into 5 jury districts (*Lagdömmar*), each having its chief judge (*Lagmand*). Each district is divided into circuits, corresponding, as a rule, to the counties (*Amter*), in which courts are held at fixed times. The *Meddomsret* consists of the judge and is held in the district of the inferior court, and 2 assistant judges (not professional) summoned for each case. The *Lagmandsret* takes cognisance of the higher classes of offences. The *Meddomsret* is for the trial of other offences, and is also a court of first instance.

The prosecutions are directed by the State advocates (*Statsadvokater*), 13 in number, subordinate to one *Rigsadvokat*.

The number of persons convicted of serious crimes was: in 1891, 2,548; in 1890, 2,603; in 1889, 2,938; 1888, 2,753; 1887, 2,932. For offences against public order and police, penalties were, in 1891, inflicted upon 28,360 persons.

There are four convict prisons (1 a penitentiary); inmates, June 30, 1892, 599 (480 were males and 119 females).

There are, besides, 55 district prisons, in which, in 1892, 9,552 persons were detained. There are 3 reformatories for young offenders between 10 and 15 years.

The police force of Kristiania numbers 374 men, including 15 superior functionaries.

### Pauperism.

In Norway the relief of the poor is mostly provided for by local taxation, but certain expenditure is also borne by the *Amter* (counties) and by the State. The number of persons receiving relief amounted to 76,570 in 1891, 73,364 in 1890, 77,798 in 1889, 77,555 in 1888. In 1891 9,932, 1890 9,142, 1889 9,940, in 1888 9,837 persons are included who have only been medically relieved.

### Finance.

The following table shows the revenue and expenditure for each of the last five years in thousands of kroner :—

Years ending June 30	Revenue				Expenditure				
	Direct Taxes	Indirect Taxes	Other Sources	Total	Defence	Debt	Public Works	General	Total
	1,000 kr.	1,000 kr.	1,000 kr.	1,000 kr.	1,000 kr.	1,000 kr.	1,000 kr.	1,000 kr.	1,000 kr.
1889	306	26,229	18,239	46,353 <sup>1</sup>	8,834	3,898	9,593	21,279	43,604
1890	523	30,006	19,803	50,332	9,276	4,191	9,938	22,131	45,537
1891	588	30,509	20,049	51,447	9,753	4,318	10,689	24,234	48,994
1892	535	29,475	21,085	51,095	10,436	4,367	10,918	25,510	51,232
1893	3,310	28,518	20,716	52,544	10,913	4,557	10,481	26,824	52,775

<sup>1</sup> Including 1,578,118 loan.

The following table shows the principal heads of the budget for two years ending June 30 :—



Sources of Revenue	1894	1895	Branches of Expenditure	1894	1895
	Kroner	Kroner		Kroner	Kroner
Income Tax . . . . .	2,700,000	2,700,000	Civil list . . . . .	349,716	349,867
Customs . . . . .	20,500,000	21,200,000	Storthing . . . . .	459,700	532,650
Excise on spirits . . . . .	3,800,000	4,600,000	The Ministries . . . . .	1,204,390	1,218,620
„ „ malt . . . . .	2,000,000	2,700,000	Church & education . . . . .	5,512,155	6,038,565
Succession tax . . . . .	500,000	500,000	Justice . . . . .	5,327,118	5,577,850
Stamps . . . . .	545,000	575,000	Interior . . . . .	1,808,196	1,910,803
Judicial fees . . . . .	950,000	1,000,000	Post, telegraphs, &c. . . . .	5,811,489	6,008,683
Mines . . . . .	487,600	517,600	State railways . . . . .	7,392,709	7,838,747
Post Office . . . . .	3,350,000	3,400,000	Roads, canals, ports, &c. . . . .	3,631,234	3,858,240
Telegraphs . . . . .	1,350,000	1,420,000	Finance and customs . . . . .	3,271,850	3,249,915
State property . . . . .	2,567,074	2,482,330	Mines . . . . .	656,500	649,126
Railways . . . . .	7,947,500	8,323,000	Amortisation of debt . . . . .	678,506	502,922
Miscellaneous . . . . .	5,002,828	5,262,070	Interest „ „ . . . . .	4,234,884	4,518,640
Balance . . . . .	—	—	Army . . . . .	7,675,181	8,743,150
			Navy . . . . .	2,769,900	2,850,900
			Foreign affairs . . . . .	750,992	806,368
			Miscellaneous . . . . .	165,480	24,954
			Balance . . . . .	—	—
	51,700,000	54,680,000		51,700,000	54,680,000

The following table shows the amortisation, growth, and interest of the public debt for the years named, ending June 30 :—

Years ending June 30	Amortisation	Growth	Interest	Amount at the end of the year
	Kroner	Kroner	Kroner	Kroner
1889	54,123,790	64,554,667	3,664,745	115,714,152
1890	356,694	—	3,829,872	115,357,459
1891	454,776	1,160,000	3,857,521	116,062,683
1892	521,517	10,000,000	3,840,264	125,541,165
1893	591,160	—	3,959,330	124,950,005

The unredeemable debt, which amounted to 10,837,410 kroner in 1885, is now by amortisation reduced to 245,472 kroner.

The taxation for communal purposes amounted for the rural communes to 10,157,138 kroner, and for the towns to 8,713,528 kroner in 1891.

### Defence.

The fortresses of Norway are unimportant, Fredriksstad, Fredriksten, Carljohansvaern, Akershus in Kristiania, Oscarsborg and Vardöhus, with forts at Kristiansand, Bergen, and Trondhjem.

The troops of the Kingdom are raised mainly by conscription, and to a small extent by enlistment. By the terms of three laws voted by the Storthing in 1866, 1876, and 1885, the land forces are divided into the troops of the Line, the Landvaern, the Landstorm or final levy. All young men past the twenty-second year of age are liable to the conscription, with the exception of the inhabitants of the three northern Amts of the Kingdom, who are free from military land service. The young men in the line raised

by conscription have to go through a first training in the school of recruits, extending over 42 days in the infantry, in the fortress and mountain artillery, 50 days in the engineers, and 70 days in the field artillery and cavalry. They are then put into the battalions, which in the second, third, and fourth year in the artillery, cavalry, and engineers, and the second and third year in the infantry and train, under ordinary circumstances, have an annual practice of 24 days, after which the men are sent on furlough, with obligation to meet when ordered. The recruits of the line and the sixth year in the Landvaern have only a practice of 12 days' extent. The train has a school of recruits, extending over 25 days for the engineers, and 18 days in the other arms. The nominal term of service is 13 years, divided between 5 years in the Line, 4 years in the Landvaern, and 4 years in the Landstorm. The Landvaern is only liable to service within the frontiers of the Kingdom. Every man capable of bearing arms, and not placed in one of the said categories, is in time of war liable to do service in the reserve of the Landstorm, from the eighteenth to the fiftieth year of age.

On January 1, 1894, the troops of the line, with its reserves, numbered about 30,000 men, with 900 officers. The number of troops of the line actually under arms can never exceed, even in war, 18,000 men without the consent of the Storthing. The King has permission to transfer, for the purpose of common military exercises, 3,000 men annually from Norway to Sweden and from Sweden to Norway.

The infantry consists of 5 brigades of 4 battalions of Line, Landvaern, and Landstorm, of 4 companies. For each brigade there is a school of non-commissioned officers. His Majesty's guard of 2 companies riflemen.

*Cavalry.*—3 corps of mounted riflemen of Line, Landvaern, and Landstorm, of 3, 3, and 2 squadrons.

*Artillery.*—3 battalions of Line, Landvaern, and Landstorm, of 3 batteries of 6 pieces, and 1 company of equipage field artillery; 1 battalion of Line, Landvaern, and Landstorm, of 2 companies of fortress artillery and two batteries of 6 pieces mountain artillery.

*Engineers.*—1 battalion of Line, Landvaern, and Landstorm, of 2 companies of sappers, 1 company of pontooneers, 1 company of telegraphists, and 1 company of equipage.

Like the Swedish navy, that of Norway is maintained solely for coast defence. It consists of 4 ironclad monitors; 2 wooden corvettes launched in 1855 and 1862; 4 unarmoured gun-vessels of 580, 640, 1,000 and 1,113 tons, built 1877-92; 4 older gunboats between 190 and 280 tons, 8 between 230 and 390 tons, and 16 smaller (60 tons), besides a small torpedo flotilla. Excluding the smallest class of gunboats, which have no real value, and a couple of vedette torpedo-boats, the vessels thus described may be classified as follows, adopting the uniform system used in this book, and fully described in the Introductory Table; 4 port defence armourclads; 4 third-class cruisers *a*, and 14 *b*; 9 second-class torpedo-boats and 3 of the third-class—in all 34.

These ships call for little description. The monitors, *Skorpionen*, *Thrudvang*, and *Mjölner* (1447 and 1515 tons) were built in 1866-68. They have 5-inch armour-belts, and 12-inch plating on their turrets, which carry severally two 18-ton muzzle-loading Armstrong guns. The *Thor*, launched in 1872, is

a little larger (2,003 tons), has 14½-inch turret-plating, and carries two 20-ton guns. Of unarmoured ships, the deck-protected gun-vessel *Viking* is the largest (1,113 tons). She is steel-built, with a cellulose belt, is 203 ft. 6 in. in length, and has 30 ft. beam, engines of 2,000 I.H.P., and steamed 15 knots at her trials. Her armament consists of two 5·9 in. guns, and four 2·4 in. and four smaller quick-firers. Another new gun-vessel, the *Heimdal* (630 tons), armed with four 2·4 in. quick-firing guns, steamed 12 knots at her trials. The only other new vessel is the gunboat *Ægir* (383 tons), armed with one 8·2 in. gun, one 2·7 in. Q.F., two 1·9 in. Q.F., and two smaller Q.F.

In 1894 the navy numbered 95 officers on active service and 53 in the reserve and about 400 petty officers and seamen on permanent engagement. All seafaring men between the ages of twenty-two and thirty-five are enrolled on the lists of the active fleet, and are liable, by a law passed in 1892, to the maritime conscription. The numbers on the register amounted, in 1894, to nearly 25,000 men.

## Production and Industry.

### 1. AGRICULTURE.

Of the total area, 75 per cent. is unproductive, 22 per cent. forest, and 3 per cent. under cultivation. Most of the farms are worked by their owners, as will be seen in the table of Occupations under Population. At the end of 1890 there were 146,355 farms. The subdivision of landed property has been carried to a great extent. In 1865 there were 133,991 farms, not including Finmarken, classified as follows:—

Under 2	hectares	34,224	or 25·5	per cent. of the whole.
From 2 to 5	„	42,984	„ 32·1	„ „
„ 5 „ 20	„	48,575	„ 36·2	„ „
„ 20 „ 50	„	7,376	„ 5·5	„ „
„ 50 „ 100	„	739	„ 0·6	„ „
100 or more	93	0·1	„ „	„ „

The latest agricultural statistics are for 1890, when the area under cereals was 186,031 hectares, potatoes 38,814 hectares. The estimated yield, after deducting seed, of cereals was 5,966,233 hectolitres, of potatoes 8,370,217 hectolitres. The total value of the produce was for cereals 38,266,604 kroner, for potatoes 24,555,416 kroner. The average annual produce in hectolitres per 10 acres for 1886–90 was, wheat, 2·12; rye, 2·43; barley, 2·87; mangcorn 3·57; oats, 3·53; peas, 2·18; potatoes, 21·56 hectolitres.

On January 1, 1891, there were:—Horses, 150,898; cattle, 1,006,589; sheep, 1,417,524; goats, 272,798; swine, 121,057; reindeer, 170,034.

The value of cereals imported (including flour) was 35,298,900 kroner in 1893; the principal article being rye, 15,483,900 kroner. The import of butter amounted to 2,162,700 kroner, and of bacon and meat to 6,267,200 kroner. The export of agricultural produce is insignificant.

### II. FORESTRY.

The total area covered with forests is estimated at 26,320 square miles, of which 73 per cent. is under pine trees. The State forests occupy 3,870 square miles, administered by a forest staff under the supervision of the Ministry of the Interior. The value of unwrought or partly wrought timber exported from Norway in 1892 was 27,075,300 kroner, and of wrought timber 16,769,400 kroner.

### III. MINES AND MINERALS.

The mining and metal industry of Norway is unimportant. The total value of mineral products in 1891 (latest available statistics) was 2,896,400

kroner (2,583,650 in 1886); of furnace products, 1,586,500 (156,500 in 1886) kroner; of bar iron and steel, 137,600 kroner. The chief mineral products are silver, 576,500 kroner in 1891 (723,000 in 1886); copper ore, 712,000 kroner, pyrites, 806,000 kroner; nickel, 125,500 kroner (1,565,000 in 1876); apatite, 362,000 kroner (1,000,700 in 1890). Of the smelting products in 1891 silver was valued at 560,000 kroner; copper, 673,000 kroner; nickel, 373,000 kroner. At the end of 1891 there existed 24 mining establishments employing 2,253 workpeople, and 7 smelting furnaces with 435 workpeople.

#### IV. FISHERIES.

The number of persons in 1892 engaged in cod fishery was 101,659; in herring fishery, 28,437; and in mackerel fishery 3,177.

The value of the fisheries in kroner in 1892 was cod, 15,272,073; herring, 4,972,775; mackerel, 392,459; salmon and sea trout, 777,858; other fisheries, 3,057,490; lobster, 313,460; oysters, 7,600; total, 24,793,715. The total value was in 1891, 25,966,599, in 1890, 22,211,687, in 1889, 23,311,249, in 1888 21,852,000, in 1887, 14,762,000 kroner.

Other fisheries are the mackerel fisheries in the North Sea, the bank fisheries off the coast, and the whale, walrus, seal, and shark fisheries in the northern seas, which in 1892 produced a total of about 3,800,000 kroner.

#### Commerce.

The following table shows the value of the trade of Norway with different countries in 1893:—

Country	Imports	Exports	Country	Imports	Exports
	Kroner	Kroner		Kroner	Kroner
Sweden . . . . .	28,019,600	20,994,900	Spain . . . . .	349,700	12,846,300
Denmark, Iceland, and Faeroe . . . . .	10,927,600	4,731,000	Italy . . . . .	1,389,400	3,954,400
Russia and Finland . . . . .	18,812,700	4,548,600	Austria and Hungary	68,000	124,300
Germany . . . . .	55,577,400	16,261,400	Turkey, Roumania, and Greece . . . . .	1,374,400	—
Switzerland . . . . .	61,800	—	Africa . . . . .	44,500	976,300
Netherlands . . . . .	8,919,600	6,201,100	Asia . . . . .	400	175,200
Belgium . . . . .	8,289,300	5,088,600	Australia . . . . .	400	820,700
Great Britain and Ireland . . . . .	55,802,200	47,561,800	America . . . . .	10,494,900	2,130,400
France . . . . .	3,652,100	8,092,300	Not stated . . . . .	204,500	58,400
Portugal and Madeira	640,100	1,520,900			
			Total . . . . .	204,568,600	136,086,600

The total amount of the import duties collected in 1893 was about 19 millions of kroner (about one-tenth in value of the total imports), divided among the principal articles as follows:—Breadstuffs, 2,187,000 kroner; coffee, 2,340,000 kroner; tea, 196,000 kroner; sugar, 3,643,000 kroner;

The recorded values are calculated according to information supplied by Exchange Committees and merchants. Those of imports include the invoice price, freight, packing, and insurance, but not duty; those of exports give the price free on board in Norwegian port, excluding freight and insurance, but including packing and Norwegian commercial profit. The returns of quantities are compiled from the officially controlled declarations of importers and exporters. These declarations state the countries from which the articles are *directly* imported and to which they are *directly* exported. An article coming, for example, from the East Indies *via* London is recorded as coming from England. The recorded imports include all articles imported, whether for consumption inland or for re-exportation. The exports are divided into exports of Norwegian articles (special trade) and exports of foreign articles (transit, warehousing on credit, duty-paid and duty-free articles). A considerable part of the export and also of the import (mostly duty-free) trade over the land frontier between Norway and Sweden escapes the control of the Customs' authorities.

tobacco, 3,764,000 kroner ; spirits and wines, 1,255,000 kroner ; manufactured goods, 2,287,000 kroner ; and salt, 275,000 kroner. The value of imports subject to duty (1893) was 78,949,400 kroner, and of duty-free 125,619,200 kroner.

Total imports and exports of Norwegian and foreign goods in the last five years :—

—	1889	1890	1891	1892	1893
	Kroner	Kroner	Kroner	Kroner	Kroner
Imports of foreign goods . . . . .	191,608,100	208,658,900	223,023,600	199,986,600	204,568,600
Exports of Norwegian goods . . . . .	125,910,400	124,432,100	124,082,300	118,779,300	126,718,800
Foreign goods . . . . .	6,758,700	6,664,400	6,300,400	7,645,000	9,367,800

Values of imports and exports, divided into classes, for 1891–1893 :—

Classes of Goods	1891		1892		1893	
	Imports of Foreign Goods	Exports Norwegian Goods	Imports of Foreign Goods	Exports Norwegian Goods	Imports of Foreign Goods	Exports Norwegian Goods
	Kroner	Kroner	Kroner	Kroner	Kroner	Kroner
Animals, living . . . . .	1,636,500	839,000	1,119,400	457,700	191,200	429,500
Animal produce (malty food) . . . . .	12,106,700	45,151,800	12,357,400	43,890,800	12,061,600	45,540,800
Breadstuffs . . . . .	48,872,300	1,207,900	37,243,900	386,700	35,657,100	1,703,300
Groceries . . . . .	23,002,100	15,000	23,187,500	13,300	26,390,400	13,900
Fruits, plants, &c. . . . .	2,692,100	224,200	2,728,500	250,400	3,079,800	207,700
Spirits, &c. . . . .	5,015,200	266,600	4,257,900	207,200	3,841,700	155,300
Yarn, rope, &c. . . . .	12,623,100	813,200	11,378,800	704,800	11,977,800	612,600
Textile manufactures, &c. . . . .	22,408,400	3,643,500	22,010,400	3,347,600	22,408,200	4,716,900
Hair, skins, &c. . . . .	8,389,900	6,169,700	7,351,700	6,764,400	7,594,700	6,643,400
Tallow, oils, tar, &c. . . . .	9,326,700	6,669,700	10,289,000	6,768,500	10,813,200	6,782,400
Timber & wooden goods . . . . .	6,641,500	43,916,000	7,375,200	41,810,800	8,216,100	43,844,700
Dye stuffs . . . . .	1,069,400	117,800	980,900	156,200	-1,015,200	170,100
Different vegetable produce . . . . .	3,252,900	1,505,500	3,259,800	865,700	3,053,700	1,364,900
Paper and paper manufactures . . . . .	1,874,400	2,369,700	1,811,400	2,841,000	1,847,000	3,719,600
Minerals, unwrought . . . . .	17,742,400	2,196,200	17,506,700	1,910,200	17,779,900	3,194,800
Minerals, manufactured . . . . .	2,686,600	1,585,100	2,669,500	1,759,500	2,668,500	1,759,900
Metals, unwrought or partly wrought . . . . .	9,564,700	1,485,600	7,513,100	1,017,900	7,487,700	1,296,400
Metals, manufactured . . . . .	8,581,600	3,739,400	10,291,700	2,993,100	9,594,400	2,770,100
Vessels, carriages, machinery, &c. . . . .	25,537,100	2,166,400	16,653,800	2,633,500	18,890,400	1,792,500
Total . . . . .	223,023,600	124,082,300	199,986,600	118,779,300	204,568,600	126,718,800
Re-exports . . . . .		6,300,400		7,645,000		9,367,800
		130,382,700		126,424,300		136,086,600

Imports and exports to and from the principal Norwegian ports in the last five years:—

## IMPORTS.

—	1889	1890	1891	1892	1893
	Kroner	Kroner	Kroner	Kroner	Kroner
Kristiania .	97,843,700	105,994,000	110,918,100	107,825,700	108,832,900
Bergen .	31,185,800	33,065,300	42,399,200	30,739,800	34,210,600
Trondhjem .	14,086,300	16,026,000	15,053,100	14,278,400	15,842,200

## EXPORTS.

—	1889	1890	1891	1892	1893
	Kroner	Kroner	Kroner	Kroner	Kroner
Kristiania .	31,727,800	32,949,700	34,022,400	31,449,000	33,550,300
Bergen .	20,636,400	21,666,800	20,039,000	21,102,000	24,394,500
Trondhjem .	8,577,600	8,332,100	7,304,200	7,859,400	9,122,200

The commercial intercourse between Norway and the United Kingdom, according to the Board of Trade Returns, is shown in the subjoined table, for each of the last five years:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from Norway .	3,497,513	3,432,689	3,363,629	3,576,615	3,570,592
Exports of British produce to Norway . . . . .	1,724,582	1,915,808	1,901,897	1,706,111	1,756,813

In 1893 the imports of timber from Norway into the United Kingdom amounted to 1,347,115*l.*; fish, 445,787*l.*; rags, &c., 544,722*l.* The minor imports into Great Britain comprise ice, butter and margarine, and small quantities of bar iron and copper ore. Iron, wrought and unwrought, of the value of 239,030*l.*; cotton manufactures and yarn of the value of 220,199*l.*; coals of the value of 402,027*l.*; and woollens and worsteds of the value of 153,928*l.*, formed the chief British exports to Norway in the year 1893.

## Shipping and Navigation.

—	Sailing		Steam		Total	
	No.	Tons	No.	Tons	No.	Tons
Vessels engaged in Foreign Trade (Jan. 1894)						
Under 100 tons .	1,088	43,858	12	682	1,100	44,540
From 100–500 tons	1,714	513,924	274	84,708	1,988	598,632
„ 500–1,000 „	744	507,760	80	56,093	824	563,853
„ 1,000–2,000 „	236	288,545	46	59,533	282	348,078
Above 2,000 „	7	16,410	6	13,380	13	29,790
Total . . . . .	3,789	1,370,497	418	214,396	4,207	1,584,893

	1889		1890		1891		1892	
	No.	Tonnage	No.	Tonnage	No.	Tonnage	No.	Tonnage
Entered								
Norwegian	7,229	1,719,083	6,671	1,716,006	6,860	1,979,489	6,704	1,935,423
Foreign	5,835	986,210	5,715	938,271	5,502	942,318	5,405	983,536
Cleared								
Norwegian	7,027	1,649,168	6,749	1,752,375	6,542	1,922,441	6,551	1,895,469
Foreign	5,827	980,009	5,695	947,478	5,460	930,955	5,401	988,786

Vessels entered and cleared in 1892 at the following ports (with cargoes and in ballast):—

—	Number	Tonnage	—	Number	Tonnage
Kristiania			Trondhjem		
Entered	2,270	923,996	Entered	325	190,809
Cleared	1,467	621,692	Cleared	340	197,087
Bergen			Frederikstad		
Entered	628	321,346	Entered	1,176	165,701
Cleared	651	319,615	Cleared	2,537	239,020

### Internal Communications.

The total length of State railways in 1893 was 960 miles; that of one railway worked by a company (Kristiania to Mjösen) 42 miles; total 1,002 miles.

Total receipts 1892-93, State railways, 7,572,115 kroner; companies, 1,616,540 kroner. Total expenses 1892-93, State railways, 6,098,204 kroner; companies, 955,643 kroner. Goods carried 1892-93, State railways, 1,122,532 tons (of 1,000 kilogs.); companies, 516,635. Passengers carried 1892-93 (including season-ticket holders), State railways, 5,351,298; companies, 502,141. The State railways have been constructed partly by subscription in the districts interested and partly at the expense of Government. (In former years season-tickets have only been reckoned as single tickets; in the year 1892-93, on the contrary, each season-ticket has been estimated to a certain number of single tickets.) The following are the postal statistics:—

—	1891	1892	1893
Letters . . . . .	28,367,600	31,868,200	33,181,900
Post-cards . . . . .	2,303,600	2,614,200	2,825,800
Registered letters . . . . .	454,700	593,800	593,700
Journals . . . . .	25,089,600	26,392,200	28,834,800
Other printed matter . . . . .	3,643,500	4,236,000	4,372,100
Samples and parcels . . . . .	486,600	621,600	602,600

Length of telegraph lines and wires in January 1894:—

Belonging to the State 4,985 miles of line, 10,034 miles of wires.

„ „ railways 985 „ „ 1,876 „ „

Total . 5,970 „ „ 11,910 „ „

The number of messages in the year 1893 was on the State lines 1,736,169, on the railway lines 75,704, total, 1,811,873, of which 1,187,720 (on the lines

of the railways, 75,704) were internal, 288,616 sent abroad, 335,523 received from abroad, and 15 in transit. The number of telegraph offices in 1893 was :—194 belonging to the State, 197 to the railways, total 391. Receipts : State telegraphs 72,314*l.*, railways 3,186*l.*, total 75,500*l.* Expenses :—State telegraphs 72,861*l.*, railways 10,773*l.*, total 83,634*l.*

### Money and Credit.

On December 31, 1893, the Norwegian coins in circulation (the coinage after the monetary reform deducting the coins melted down) were :—

Gold coin . . . . .	15,855,980 kroner
Silver coin . . . . .	6,913,050 „
Bronze coin . . . . .	529,695 „
Total . . . . .	23,298,725 „

There exists no Government paper money.

The value of income and property assessed for taxes in 1893 was :—

	Income.	Property.
	millions of kroner	millions of kroner
The towns	156·9	628·0
The rural districts	193·0 „ „	1,044·0 „ „
The whole kingdom	349·9 „ „	1,672·0 „ „

There are two State banks, the 'Norges Bank' (Bank of Norway) and the 'Kongeriget Norges Hypothekbank.'

The 'Norges Bank' is a joint-stock bank, of which, however, a considerable part is owned by the State. The bank is, besides, governed by laws enacted by the State, and its directors are elected by the Storting, except the president of the head office, who is nominated by the King. There is a head office at Trondhjem, and 12 branch offices. It is the only bank in Norway that is authorised to issue bank notes for circulation. The balance-sheets of the bank for 1893 show the following figures :—Assets at the end of the year—bullion, 32,505,692 kroner ; outstanding capital, mortgaged estates, foreign bills, &c., 41,212,205 kroner ; total, 73,717,897 kroner. Liabilities—notes in circulation, 47,199,782 ; the issue of notes allowed was 56,505,692 kroner ; deposits, cheques, unclaimed dividends, unsettled losses, &c., 7,083,088 kroner (of which the deposits amounted to 6,529,882 kroner) ; dividends payable for the year, 1,508,873 kroner ; total, 55,791,743 ; balance, 17,926,154.

The 'Kongeriget Norges Hypothekbank' was established in 1852 by the State to meet the demand for loans on mortgage. The capital of the bank is furnished by the State, and amounted to 13,500,000 kroner in 1893. The bank has besides a reserve fund amounting in 1893 to 500,000 kroner. At the end of 1893 the total amount of bonds issued was 91,950,400 kroner. The loans on mortgage amounted to 95,412,469 kroner.

There were, at the end of 1893, 35 private joint-stock banks, with a collective subscribed capital of 41,147,230 kroner, and a paid-up capital of 17,259,690. The reserve fund amounted to 7,238,975. The deposits and withdrawals in the course of the year amounted to 406,691,955 kroner and 403,184,164 kroner respectively. Deposits at the end of the year 126,927,795 kroner, of which 9,437,803 kroner deposits on demand, and 117,489,992 kroner on other accounts.

All savings-banks must be chartered by royal permission. Their operations are regulated, to a considerable extent, by the law, and controlled by the Ministry of Finance. Their situation is as follows :—



Year	No. of Savings-Banks	No. of Depositors	Amount to the Credit of Depositors		
			Deposits	Withdrawals	At end of year
			Kroner	Kroner	Kroner
1893	364	507,971	89,835,476	83,319,834	207,278,079
1892	360	499,245	86,692,875	82,643,399	200,925,537
1891	353	486,168	85,119,088	82,676,155	196,617,525
1890	350	470,799	88,500,397	80,875,998	194,141,420
1889	345	452,736	83,687,317	72,830,155	186,554,824

SWEDEN AND NORWAY.

Money, Weights, and Measures.

MONEY.

By a treaty signed May 27, 1873, with additional treaty of October 16, 1875, Sweden, Norway, and Denmark adopted the same monetary system.

The Swedish Krona and the Norwegian Krone, each of 100 öre, is of the value of 1s. 1½d., or about 18 kronor to the pound sterling.

The gold 20-kronor piece weighs 8·960572 grammes, ·900 fine containing 8·0645 grammes of fine gold, and the silver krona weighs 7·5 grammes, ·800 fine, containing 6 grammes of fine silver.

The standard of value is gold. In Sweden National Bank notes for 5, 10, 50, 100, and 1000 kronor are legal means of payment, and the Bank is bound to exchange them for gold on presentation. The case is the same in Norway, where there are also notes for 500 kronor.

WEIGHTS AND MEASURES.

The Swedish <i>Skålpund</i>	= 100 <i>ort</i>	= 0·937 lb. avoirdupois.
„ „ <i>Fot</i>	= 10 <i>tum</i>	= 11·7 English inches.
„ „ <i>Kanna</i>	= 140 <i>kubiktum</i>	= 4·6 imperial pints.
„ „ <i>Mil</i>	= 360 <i>ref</i>	= 6·64 English miles.
„ Norwegian <i>Kilogram</i>	= 1,000 <i>gram</i>	= 2,204 lbs. avoirdupois.
„ „ <i>Meter</i>	= 100 <i>centimeter</i>	= 3·28 ft. or 39·37 Eng. in.
„ „ <i>Hektoliter</i> { liq. m. }	= 100 <i>liter</i> {	= 22 imperial gallons.
„ „ { dry m. }		= 2·75 „ bushels.
„ „ <i>Kilometer</i>	= 1,000 <i>meter</i> {	= 1,094 yds. or 0·621 of 1 Eng. mile.

The metric system of weights and measures was introduced in 1879, and became obligatory in Sweden in 1889, in Norway on July 1, 1882.

SWEDEN AND NORWAY.

Diplomatic Representatives.

1. OF SWEDEN AND NORWAY IN GREAT BRITAIN.

*Envoy and Minister.*—H. Akerman, accredited October 6, 1890.

*Secretary.*—Ove Gude.

*Consul-General in London.*—Carl Juhlin Dannfelt.

There are Consular representatives at the following places:—Belfast, Birmingham, Bradford, Bristol, Cardiff, Cork, Dublin, Dundee, Glasgow, Hull, Leith, Liverpool, Manchester, Newcastle, Southampton. Also at Adelaide, Melbourne, Sydney, Bombay, Brisbane, Calcutta, Cape Town, Fiji, Hobart, Quebec, Rangoon, Singapore, Wellington (N.Z.).

## 2. OF GREAT BRITAIN IN SWEDEN AND NORWAY.

*Envoy and Minister.*—Sir Spenser St. John, G. C. M. G., appointed Envoy Extraordinary and Minister Plenipotentiary to Sweden and Norway, July 1, 1893.

*Secretary.*—George Earle Welby.

*Consul at Stockholm.*—Marmaduke S. Constable.

*Consul-General at Christiania.*—Thomas Michell, C. B.

There are also Consular representatives at Gothenburg, Christiansand, Bergen, Tromsø, Trondhjem, Hammerfest, Vardö, &c.

## Statistical and other Books of Reference concerning Sweden and Norway.

### 1. OFFICIAL PUBLICATIONS.

Bidrag till Sveriges officiella statistik: A. Befolknings-statistik. B. Rättsväsendet. C. Bergshandtering. D. Fabriker och manufakturver. E. Inrikes handel och sjöfart. F. Utrikes handel och sjöfart. G. Fångvärd. H. K. Majestäts befallningshafvandes femårsberättelser. I. Telegrafväsendet. K. Helse- och sjukvärd. L. Statens jernvägstrafik. M. Postverket. N. Jordbruk och boskapsskötsel. O. Landtmäteriet. P. Undervisningsväsendet. Q. Statens-domäner. R. Valstatistik. S. Allmänna arbeten. T. Lots- och fyrmrättningen samt lifräddningsanstalterna å rikets kuster. U. Kommunnernas fattigvård och finanser. V. Brännvins tillverkning och försäljning samt hvitbetssockertillverkningen. X. Afönings- och pensionsstatistik. 4. Stockholm, 1857-94.

Norges officielle Statistik: Arbejdslønninger; Bergværksdrift; Den almindelige Brandforsikringsindretning; Civilretsstatistik; Distriktsfængsler; Fabrikantlag; Faste Eiendomme; Fattigstatistik; Femaarsberetninger om Amternes økonomiske Tilstand; Statskassens Finantser; Fiskerier; Folkemængdens Bevægelse, Folketælling; Handel; De offentlige Jernbaner; Jordbrug; Kommunale Finantser; Kriminalstatistik; Sundhedstilstanden og Medicinalforholdene; Postvæsen; Rekruteringsstatistik; Sindssygeasylerne; Skibsfart; Skolevæsen; Sparebanker; Spedalske; Strafarbejdsanstalter; Statstelegraf; Veterinær-væsen. 4. Fra 1881-8. Kristiania, 1870-94.

Sveriges statskalender för år 1894. Utgifven efter Kongl. Majestäts nådigste förordnande af dess Vetenskaps-Akademi. 8. Stockholm, 1893.

Sveriges officiella statistik i sammandrag, 1894. Stockholm, 1894.

Statistisk Aarbog for Kongeriget Norge. (Annuaire statistique de la Norvège.) 13de Aargang, 1893. Udgivet af det Statistiske Centralbureau. Kristiania, 1894.

Norges Statskalender for Aaret 1895. Efter offentlig Foranstaltning redigeret af N. R. Bull. 8. Kristiania, 1894.

Statistisk tidskrift, utgifven af Kongl. Statistiska Central-Byrån. Stockholm, 1862-94

Oversigt over Kongeriget Norges civile, geistlige og judicielle Inddeling. Udgiven af det Statistiske Centralbureau. 8. Kristiania, 1893.

Meddelelser fra det Statistiske Centralbureau. I.—XI. 8. Kristiania, 1883-94.

Norges Land og Folk. Udgivet efter offentlig Foranstaltning. I. Smaalenes Amt Kristiania, 1885. XI. Stavanger Amt. Kristiania, 1888.

Reports on Sweden, Foreign Office Reports, Annual Series. London, 1894.

The 'Gothenburg' Licensing System in Sweden, No. 274, and in Norway, No. 279 Foreign Office Reports, Miscellaneous Series. London, 1893.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the Year 1893. Imp. 4. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

*Baedeker's* Norway and Sweden. 5th ed. London, 1892.

*Bennett* (T.), Handbook for Travellers in Norway. 27th ed. S. Christiania, 1893.

*Carlson* (F. F.), Geschichte Schwedens's. 8 vols. Gotha, 1832-75.

*Du Chaillu* (P. B.), The Land of the Midnight Sun. 2 vols. London, 1881.

*Dyring* (Joh.), Kongeriget Norge, dets Geografi, Samfundsinretninger og Næringsveie, Anden Udgave. 8. Porsgrund, 1891.

*Hammar* (A.), Historiskt, geografiskt och statistiskt lexicon öfver Sverige. 8 vols. 8. Stockholm, 1850-70.

*Höjer* (M.), Konungariket Sverige, en topografisk-statistisk beskrifning med historiska anmärkningar. 8. Stockholm, 1875-83.

*Keary* (C. F.), Norway and the Norwegians. 8. London, 1892.

*Kiær* (A. N.), Indtogts og formuesforhold i Norge. 8. Kristiania, 1892-1893.

*Murray's* Handbook. 8th ed. London, 1892.

*Nielsen* (Dr. Yngvar), Handbook for Travellers in Norway. With Maps. Kristiania, 1893.

*Otté* (E. C.), Scandinavian History. 8. London.

*Rosenberg* (C. M.), Ny resehandbok öfver Sverige. 8. Stockholm, 1887.

*Rudbeck* (J. G.), Försök till beskrifning öfver Sveriges städer i historiskt, topographiskt och statistiskt hänseende. 3 vols. 8. Stockholm, 1855-61.

*Löfström* (S. A.), Sweden, Statistics. (World's Columbian Exposition 1893, Chicago. 8. Stockholm, 1893.

## SWITZERLAND.

(SCHWEIZ.—SUISSE.)

### Constitution and Government.

#### I. CENTRAL.

ON August 1, 1291, the men of Uri, Schwyz, and Lower Unterwalden, entered into a defensive League. In 1353 the League included eight cantons, and in 1513, thirteen. Various associated and protected territories were acquired, but no addition was made to the number of cantons forming the League till 1798. In that year, under the influence of France, the Helvetic Republic was formed, with a regular constitution. This failed to satisfy the cantons, and in 1803 Napoleon, in the Act of Mediation, gave a new constitution and increased the number of cantons to nineteen. In 1815, the perpetual neutrality of Switzerland and the inviolability of her territory were guaranteed by Austria, Great Britain, Portugal, Prussia, and Russia, and the Federal Pact which had been drawn up at Zurich, and which included three new cantons, was accepted by the Congress of Vienna. The Pact remained in force till 1848, when a new constitution, prepared without foreign interference, was accepted by general consent. This, in turn, was, on May 29, 1874, superseded by the constitution which is now in force.

The constitution of the Swiss Confederation may be revised either in the ordinary forms of Federal legislation, with compulsory *referendum*, or by direct popular vote, a majority both of the citizens voting and of the cantons being required, and the latter method may be adopted on the demand (called the *popular initiative*) of 50,000 citizens with the right to vote. The Federal Government is supreme in matters of peace, war, and treaties; it regulates the army, the postal and telegraph system, the coining of money, the issue and repayment of bank notes, and the weights and measures of the Republic. It provides for the revenue in general, and especially decides on the import and export duties in accordance with principles embodied in the constitution. It legislates in matters of civil capacity, copyright, bankruptcy, patents, sanitar police in dangerous epidemics, and it may create and subsidise, besides the Polytechnic School at Zurich, a Federal University and other higher educational institutions. There has also been entrusted to it the authority to decide concerning public works for the whole or great part of Switzerland, such as those relating to rivers, forests, and the construction of railways.

The supreme legislation and executive authority are vested in a parliament of two chambers, a 'Ständerath,' or State

Council, and a 'Nationalrath,' or National Council. The first is composed of forty-four members, chosen and paid by the twenty-two cantons of the Confederation, two for each canton. The mode of their election and the term of membership depend entirely on the canton. Three of the cantons are politically divided—Basel into Stadt and Land; Appenzell into Ausser Rhoden and Inner Rhoden; and Unterwald into Obwald and Nidwald. Each of these parts of cantons sends one member to the State Council, so that there are two members to the divided as well as to the undivided cantons. The 'Nationalrath' consists of 147 representatives of the Swiss people, chosen in direct election, at the rate of one deputy for every 20,000 souls. The members are paid from Federal funds at the rate of 20 francs for each day on which they are present, with travelling expenses, at the rate of 20 centimes (2d.) per kilometre, to and from the capital. On the basis of the general census of 1888, the cantons are represented in the National Council as follows:—

Canton	Number of Representatives	Canton	Number of Representatives
Bern . . . . .	27	Solothurn . . . . .	4
Zürich . . . . .	17	Appenzell—Exterior and Interior . . . . .	4
Waadt (Vaud) . . . . .	12	Glarus . . . . .	2
Aargau . . . . .	10	Schaffhausen . . . . .	2
St. Gallen . . . . .	11	Schwyz . . . . .	3
Luzern (Lucerne) . . . . .	7	Unterwald—Upper and Lower . . . . .	2
Tessin (Ticino) . . . . .	6	Uri . . . . .	1
Freiburg (Fribourg) . . . . .	6	Zug . . . . .	1
Basel—town and country . . . . .	7		
Graubünden (Grisons) . . . . .	5		
Wallis (Valais) . . . . .	5		
Thurgau . . . . .	5		
Neuenburg (Neuchâtel) . . . . .	5	Total of representatives in the National Council } . . . . .	147
Genf (Genève) . . . . .	5		

A general election of representatives takes place by ballot every three years. Every citizen of the Republic who has entered on his twenty-first year is entitled to a vote; and any voter, not a clergyman, may be elected a deputy. Both chambers united are called the 'Bundes-Versammlung,' or Federal Assembly, and as such represent the supreme Government of the Republic. The first step towards legislative action may be taken by means of the *popular initiative*, and laws passed by the Federal Assembly may be vetoed by the popular voice. Whenever a petition demanding the revision or annulment of a measure passed by the Legislature is presented by 30,000 citizens, or the alteration is demanded by eight cantons, the law in question must be submitted to the direct

vote of the nation. This principle, called the *referendum*, is frequently acted on. The chief executive authority is deputed to a 'Bundesrath,' or Federal Council, consisting of seven members, elected for three years by the Federal Assembly. The members of this council must not hold any other office in the Confederation or cantons, nor engage in any calling or business. It is only through this executive body that legislative measures are introduced in the deliberative councils, and its members are present at, and take part in their proceedings, but do not vote. Every citizen who has a vote for the National Council is eligible for becoming a member of the executive.

The President of the Confederation and the Vice-President of the Federal Council are the first magistrates of the Confederation. Both are elected by the Federal Assembly in joint session of the National and State councils for the term of one year, January 1 to December 31, and are not re-eligible to the same offices till after the expiration of another year. The Vice-President, however, may be and usually is, elected to succeed the out-going President.

*President* for 1895.—Joseph Zemp.

*Vice-President* for 1895.—Adrien Lachenal.

The seven members of the Federal Council—each of whom has a salary of 480*l.* per annum, while the President has 540*l.*—act as ministers, or chiefs of the seven administrative departments of the Republic. These departments are:—1. Foreign Affairs. 2. Interior. 3. Justice and Police. 4. Military. 5. Finance and Customs. 6. Agriculture and Industry. 7. Posts and Railways. The city of Bern is the seat of the Federal Council and the central administrative authorities.

## II. LOCAL GOVERNMENT.

Each of the cantons and demi-cantons of Switzerland is 'souverain,' so far as its independence and legislative powers are not restricted by the federal constitution; each has its local government, different in its organisation in most instances, but all based on the principle of absolute sovereignty of the people. In a few of the smallest cantons, the people exercise their powers direct, without the intervention of any parliamentary machinery, all male citizens of full age assembling together in the open air, at stated periods, making laws and appointing their administrators. Such assemblies, known as the *Landsgemeinden*, exist in Appenzell, Glarus, Unterwald, and Uri. In all the larger cantons, there is a body chosen by universal suffrage, called the *Grosse Rath*, which exercises all the functions of the *Landsgemeinden*. In all the cantonal constitutions, however, except that of Freiburg and those of the cantons which have a *Landsgemeinde*, the *referendum* has a place. This principle is most fully developed in Zurich, where all laws and concordats, or agreements with other cantons, and the chief matters of finance, as well as all revision of the constitution, must be submitted to the popular vote. In many of the cantons, the *popular initiative* has also been introduced. The members of the cantonal councils, as well as most of the magistrates, are either honorary servants of their fellow-citizens, or receive a merely nominal salary. In each canton there are districts (*Amtsbezirke*) consisting of a number of communes grouped together, each district having a Prefect (*Regierungstatthalter*) representing the canton. In the larger communes, for local affairs, there is an Assembly (legislative) and a Council (executive) with a president, maire or syndic, and not less than 4 other members. In the smaller communes there is a council only, with its proper officials.

## Area and Population.

### I. PROGRESS AND PRESENT CONDITION.

A general census of the population of Switzerland was taken on December 1, 1888, when the ordinary resident population was found to be 2,917,740, the whole population, in fact, being 2,933,334 (1,427,057 males, 1,506,277 females), showing an increase since the previous census of 0·375 per cent. per annum. At the census taken December 1, 1880, the people numbered 2,846,102, of whom 1,394,626 were males and 1,451,476 females. At the preceding census, taken December 1, 1870, the population numbered 2,669,138, showing an increase of 176,964 inhabitants during the ten years, or 0·64 per cent. per annum.

The following table gives the area and estimated population of each of the cantons and parts of cantons in the middle of 1894, and also the census population of December 1, 1888. The cantons are given in the official order, and the year of the entrance of each into the league or confederation is stated:—

Canton	Area : sq. miles	Population		Pop. per square mile, 1888
		June, 1894	Dec. 1, 1888	
Zürich (Zurich) (1351) . . . .	666	351,917	337,183	506·3
Bern (Berne) (1353) . . . .	2,657	541,051	536,679	201·9
Luzern (Lucerne) (1332) . . . .	579	135,813	135,360	233·6
Uri (1291) . . . . .	415	17,249	17,249	41·5
Schwyz (1291) . . . . .	351	50,581	50,307	143·0
Obwalden (Unterwalden-le- Haut) (1291) . . . . .	183	14,842	15,043	82·2
Nidwalden (Unterwalden-le- Bas) (1291) . . . . .	112	12,929	12,538	111·9
Glarus (Glaris) (1352) . . . .	267	33,535	33,825	126·7
Zug (Zoug) (1352) . . . . .	92	23,167	23,029	250·3
Freiburg (Fribourg) (1481) . . .	644	122,058	119,155	185·0
Solothurn (Soleure) (1481) . . .	302	89,290	85,621	283·5
Basel-Stadt (Bâle-V.) (1501) . . .	14	80,410	73,749	5,267·8
Basel-Land (Bâle-C.) (1501) . . .	163	63,873	61,941	380·0
Schaffhausen (Schaffhouse) (1501)	114	37,465	37,783	331·4
Appenzell A.-Rh. (Ext.) (1573) . .	101	55,616	54,109	535·7
Appenzell I.-Rh. (Int.) (1573) . .	61	12,899	12,888	211·3
St. Gallen (St. Gall) (1803) . . .	779	241,055	228,174	292·9
Graubünden (Grisons) (1803) . .	2,773	95,469	94,810	34·2
Aargau (Argovie) (1803) . . . .	542	190,246	193,580	357·1
Thurgau (Thurgovie) (1803) . . .	381	108,480	104,678	274·7
Tessin (Ticino) (1803) . . . . .	1,088	127,940	126,751	116·4
Waadt (Vaud) (1803) . . . . .	1,244	256,242	247,655	199·1
Wallis (Valais) (1815) . . . . .	2,027	103,236	101,985	50·3
Neuenburg (Neuchâtel) (1815) . .	312	111,928	108,153	346·6
Genf (Genève) (1815) . . . . .	108	109,557	105,509	976·9
Total . . . . .	15,976	2,986,848	2,917,754	182·6

The German language is spoken by the majority of inhabitants in fifteen cantons, the French in five, the Italian in one (Tessin), and the Roumansch in one (the Grisons). In 1888 2,083,097 spoke German, 634,613 French, 155,130 Italian, and 38,357 Roumansch. The number of foreigners resident in Switzerland at the date of the census was 229,650, of whom 112,342 were German, 53,627 French, 41,881 Italian, 13,737 Austrian, 2,577 British, 1,354 Russian.

The chief occupations of the population in 1888, with the numbers employed, their families and domestic servants, were :—

Occupation	Men	Women	Men and Women	Members of Family	Domestic Servants	Total
Agriculture . . . . .	388,467	92,566	481,033	609,040	16,357	1,106,430
Mining, sylviculture, &c.	10,682	28	10,710	16,482	243	27,435
Food manufacture . . . . .	37,363	6,752	44,115	52,531	4,703	101,349
Dress, &c. . . . .	40,666	67,534	108,200	76,456	2,041	186,697
Building and furniture . . . . .	105,747	1,620	107,367	162,353	3,763	273,483
Textiles . . . . .	61,087	106,435	167,522	99,723	2,901	270,146
Machinery . . . . .	66,897	15,075	81,972	113,256	3,274	198,502
Chemicals, bookbinding, &c. . . . .	15,873	2,743	18,616	24,449	1,347	44,412
Trade . . . . .	54,037	38,256	92,293	103,484	17,730	213,507
Transport . . . . .	45,689	2,307	47,996	77,825	2,175	127,996
Public officials, sciences, &c. . . . .	35,817	14,836	50,653	64,084	12,689	127,426
Not determinable . . . . .	6,608	8,261	14,869	12,416	1,254	28,539
No relation to occupation	12,679	36,022	48,701	151,304	11,827	211,832
<b>Total . . . . .</b>	<b>881,612</b>	<b>392,435</b>	<b>1,274,047</b>	<b>1,563,403</b>	<b>80,304</b>	<b>2,917,754</b>

## II. MOVEMENT OF POPULATION.

The following table gives the total number of births, deaths, and marriages, with the surplus of births over deaths, in five years :—

Years	Total Births	Stillbirths	Marriages	Deaths	Surplus of Births over Deaths
1889	84,279	3,103	20,691	59,715	21,461
1890	81,620	3,072	20,836	61,805	16,743
1891	86,721	3,125	21,264	61,183	22,413
1892	86,265	3,140	21,884	57,178	29,087
1893	88,099	3,203	21,884	61,069	27,030

In 1892, of the births 3·6 per cent. were stillborn ; the illegitimate births numbered 4,148, or 4·8 per cent. The number of divorces was 881, or 1·83 per thousand of existing marriages.

The number of emigrants in five years was :—1889, 8,430 ; 1890, 7,712 ; 1891, 7,516 ; 1892, 7,835 ; 1893, 6,177. In 1892 the most numerous class of emigrants was that of those employed in agriculture, 2,842 ; next, domestic servants, 659 ; then those in trade, 485 ; watch and clock makers, 251 ; innkeepers, 307 ; bakers and butchers, 277 ; tailors, 248 ; embroiderers, 210 ; carpenters, 161. Of the whole number, 4,804 were males, of whom 891 were married, and 3,031 were females, of whom 759 were married. The cantons which supplied the largest contingents of emigrants in 1892,

were Bern, 1,642 ; Zurich, 828 ; St. Gall, 802 ; Ticino, 636. Of the whole number in 1893, 5,689 went to the United States, 449 to Central and South America, 21 to Australia, 3 to Asia, 15 to Africa.

### III. PRINCIPAL TOWNS.

The population dwell chiefly in small towns, hamlets, and villages. In 1893 the populations (communal) of the following towns were—Geneva, 78,777, including suburbs ; Basel, 75,114 ; Berne, 47,620 ; Lausanne, 35,623 ; Zürich, 103,271 with suburbs ; Chaux-de-Fonds, 27,511 ; St. Gallen, 30,934 ; Luzern, 21,778 ; Neuchâtel, 16,772.

### Religion.

According to the Constitution of 1874 there is complete and absolute liberty of conscience and of creed. No one can incur any penalties whatsoever on account of his religious opinions. No one is bound to pay taxes specially appropriated to defraying the expenses of a creed to which he does not belong. No bishoprics can be created on Swiss territory without the approbation of the Confederation. The order of Jesuits and its affiliated societies cannot be received in any part of Switzerland ; all functions clerical and scholastic are forbidden to its members, and the interdiction can be extended to any other religious orders whose action is dangerous to the State, or interferes with the peace of different creeds. The foundation of new convents or religious orders is forbidden.

The population of Switzerland is divided between Protestantism and Roman Catholicism, about 59 per cent. of the inhabitants adhering to the former, and 40 per cent. to the latter. According to the census of December 1, 1888, the number of Protestants amounted to 1,716,548, of Roman Catholics to 1,183,828, and of Jews to 8,069. The Roman Catholic priests are much more numerous than the Protestant clergy, the former comprising more than 6,000 regular and secular priests. They are under five bishops, of Basel, Chur, St. Gall, Lausanne, and Sion, and an Apostolic administrator in the canton of Tessin. The government of the Protestant Church, Calvinistic in doctrine and Presbyterian in form, is under the supervision of the magistrates of the various cantons, to whom is also entrusted, in the Protestant districts, the superintendence of public instruction.

### Instruction.

In the educational administration of Switzerland there is no centralization. Before the year 1848 most of the cantons had organized a system of primary schools, and since that year elementary education has steadily advanced. In 1874 it was made obligatory (the school age varying in the different cantons), and placed under the civil authority. In some cantons the cost falls almost entirely on the communes, in others it is divided between the canton and communes. In all the cantons primary instruction is free. In the north-eastern cantons, where the inhabitants are mostly Protestant, the proportion of the school-attending children to the whole population is as one to five ; while in the half-Protestant and half-Roman Catholic cantons it is as one to seven ; and in the entirely Roman Catholic cantons as one to nine. The compulsory law has hitherto not always been enforced in the Roman Catholic cantons, but is rigidly carried out in those where the Protestants form the majority of inhabitants. In every district there are primary schools, and secondary schools for youths of from twelve to fifteen. Of the contingent for military service in 1892, '85 per cent. could not read, and 2'33 per cent. could not write.



The following are the statistics of the various classes of educational institutions for 1892 :—

—	Schools	Teachers	Pupils
Infant schools . . . . .	636	768	27,986
Primary schools . . . . .	8,382	9,418	469,911
Secondary schools . . . . .	478	1,376	29,888
Middle schools (preparatory) . . . . .	28	709	8,426
Normal schools (public and private) . . . . .	38	362	2,230
Professional and industrial schools . . . . .	155	—	6,130

In 1892-93 Federal subsidies were granted to 16 agricultural schools, including those for viticulture and dairy work, the total number of pupils being 652. There are also improvement schools and schools for recruits with 47,442 pupils, and private and other schools with 23,261 pupils.

There are five universities in Switzerland. Basel has a university, founded in 1460, and since 1832 universities have been established in Bern, Zürich, and Geneva. The academy at Lausanne was formed into a university in 1891. These universities are organised on the model of those of Germany, governed by a rector and a senate, and divided into four 'faculties' of theology, jurisprudence, philosophy, and medicine. There is a Polytechnic School for the whole Confederation at Zürich, with 725 regular pupils in 1892-93, 348 being foreigners, and a Military Academy at Thun, both maintained by the Federal Government. There are also academies with faculties similar to those of the Universities at Fribourg and Neuchâtel. The following table shows the number of matriculated students in the various branches of study in each of the five universities and in the academies of Fribourg and Neuchâtel in 1894 :—

—	Theology	Law	Medicine	Philosophy	Total	Teaching Staff
Basel . . . . .	83	55	158	146	442	85
Zürich . . . . .	33	80	315	242	670	99
Bern . . . . .	36	127	204	197	564	88
Geneva . . . . .	43	106	214	227	590	79
Lausanne . . . . .	50	165	102	145	462	47
Fribourg . . . . .	94	55	—	46	195	—
Neuchâtel . . . . .	10	12	—	37	59	33
	349	600	993	1,040	2,982	431

Of the total, 1,278 students were foreigners. These numbers are exclusive of 472 'listeners,' mostly women.

### Justice and Crime.

The 'Bundes-Gericht,' or Federal Tribunal, which sits at Lausanne, consists of 14 members, with 9 supplementary judges, appointed by the Federal Assembly for six years, the President and Vice-President, as such, for two years. The President has a salary of 13,000 francs a year, and the other members 12,000 francs. The Tribunal has two sections, to each of which is assigned the trial of suits in accordance with regulations framed by the Tribunal itself. It has original and final jurisdiction in suits between the

Confederation and cantons ; between cantons and cantons ; between the Confederation or cantons and corporations or individuals, the value in dispute being not less than 3,000 francs ; between parties who refer their case to it, the value in dispute being at least 3,000 francs ; and also in such suits as the constitution or legislation of cantons places within its authority. There are also many classes of railway suits which it is called on to decide. It is a Court of Appeal against decisions of other Federal authorities, and of cantonal authorities applying Federal laws. The Tribunal also tries persons accused of treason or other offences against the Confederation. For this purpose it is divided into four chambers : the Chamber of Accusation, the Criminal Chamber (Cour d'Assises), the Federal Penal Court, and the Court of Cassation. The jurors who serve in the Assize Courts are elected by the people, and are paid ten francs a day when serving.

Each canton has its own judicial system for ordinary civil and criminal trials.

On December 31, 1893, the prison population of Switzerland consisted of 3,725 men and 701 women, total 4,426.

The penalty of death is enacted only in the cantons of Luzern and Uri.

### Finance.

The Confederation has no power to levy direct taxes ; its chief source of revenue is the customs. In extraordinary cases it may levy a rate upon the various cantons after a scale settled for twenty years. A considerable income is derived from the postal and telegraph establishments, but part of the postal revenue, as well as of the customs dues, has to be paid over to the cantonal administrations, in compensation for the loss of such sources of former income. The entire proceeds of the Federal alcohol monopoly are divided among the cantons, and they have to expend one-tenth of the amount received in combating alcoholism in its causes and effects. Various Federal manufactories, and the military school and laboratory at Thun yield considerable revenue. Of the proceeds of the tax for exemption from military service, levied through the cantons, one-half goes to the Confederation and the other to the cantons.

The following table gives the total revenue and expenditure of the Confederation for five years :—

Year	Revenue	Expenditure
	Francs	Francs
1889	65,571,700	64,435,605
1890	67,621,251	66,688,381
1891	69,041,928	73,012,038
1892	75,961,135	86,246,942
1893	78,226,526	86,301,439

For 1894, the revenue was estimated at 75,885,000 francs and expenditure 79,730,000 francs.

The following table gives the budget estimates for 1895 :—

Source of Revenue	Francs	Branch of Expenditure	Francs
Real Property . . . . .	523,428	Interest and Sinking	
Capital invested . . . . .	1,584,335	Fund . . . . .	4,260,450
General administration	42,000	General administration	1,066,000
Departments :—		Departments :—	
Foreign Affairs :—		Foreign Affairs :—	
Political . . . . .	22,000	Political . . . . .	526,300
Commercial . . . . .	61,000	Commercial . . . . .	272,100
Emigration . . . . .	1,200	Emigration . . . . .	25,200
Copyright office . . . . .	225,200	Copyright office . . . . .	176,400
Bullion Office . . . . .	2,500	Bullion Office . . . . .	20,100
Interior . . . . .	4,000	Interior and Public	
Justice and Police . . . . .	700	Works . . . . .	10,066,028
Military . . . . .	2,138,600	Justice and Police . . . . .	158,100
Financial :—		Military . . . . .	22,769,529
Finance . . . . .	160,000	Financial :—	
Customs . . . . .	39,000,000	Finance . . . . .	315,080
Industry and Agri-		Customs . . . . .	3,874,300
culture . . . . .	182,000	Industry and Agricul-	
Posts and Railways :—		ture :—	
Railways . . . . .	280,400	Industry . . . . .	1,155,588
Posts . . . . .	26,508,300	Agriculture . . . . .	1,801,752
Telegraphs . . . . .	5,782,500	Forests . . . . .	413,000
Miscellaneous sources . . . . .	16,837	Assurances . . . . .	56,400
		Posts and Railways :—	
		Railways . . . . .	258,800
		Posts . . . . .	25,502,000
		Telegraphs . . . . .	5,886,100
		Miscellaneous . . . . .	31,773
Total . . . . .	76,535,000	Total . . . . .	78,635,000

The estimated deficit of 2,100,000 francs will probably be covered by the actual receipts.

The public debt of the Confederation amounted, on January 1, 1894, to 64,546,830 francs, mostly at  $3\frac{1}{2}$  per cent. On the other hand, there existed at the same date a so-called 'Federal Fortune,' or State property, valued at: real property, 22,650,960 francs; stock, &c., 11,090,215 francs; works producing interest, 13,490,446 francs; stores not producing interest, 20,387,779 francs; various debts, 1,667,914 francs; inventory, 22,083,966 francs; alcohol administration, 50,562 francs; cash, 4,433,960 francs; total, 95,855,803 francs, the net Fortune being thus 31,308,972 francs.

#### LOCAL FINANCE.

The various cantons of Switzerland have their own local administrations and their own budgets of revenue and expenditure. In 1890 their combined revenue was 79,152,000 francs, and expenditure 80,178,000 francs. The cantonal revenues are derived partly from direct taxes on income and property (on varying scales, and often with progressive rates for the different classes), and partly from indirect duties, stamps, &c. Several cantons have only indirect taxation; and over the whole about 58 per cent. of the revenue is

raised in this form. Most of them have public debts of inconsiderable amount, and abundantly covered, in every instance, by cantonal property, chiefly in land. In 1890 their combined debts amounted to 259,483,000 francs. The debt of Berne Canton was 50,789,000 francs; of Zurich, 30,412,000 francs; while Bâle-C., Schaffhausen, and Appenzell-A.-Rh. were free of debt. In most of the towns and parishes heavy municipal duties exist.

### Defence.

There are fortifications on the south frontier for the defence of the Gothard; others are being constructed at St. Maurice on the west side of the Canton of Valais, and it is proposed to erect also defensive works at Martigny.

The fundamental laws of the Republic forbid the maintenance of a standing army within the limits of the Confederation. The Federal army consists of all men liable to military service, and both the army and the war material are at the disposal of the Confederation. In cases of emergency the Confederation has also the exclusive and undivided right of disposing of the men who do not belong to the Federal army, and of all the other military forces of the cantons. The cantons dispose of the defensive force of their respective territories in so far as their power to do so is not limited by the constitutional or legal regulations of the Confederation. The Confederation enacts all laws relative to the army, and watches over their due execution; it also provides for the education of the troops, and bears the cost of all military expenditure which is not provided for by the Legislatures of the cantons. To provide for the defence of the country, every citizen has to bear arms, in the use of which the children are instructed at school, from the age of eight, passing through annual exercises and reviews. Such military instruction is voluntary on the part of the children, but is participated in by the greater number of pupils at the upper and middle-class schools.

Every citizen of the Republic of military age, not exempt on account of bodily defect or other reason, is liable to military service. On January 1, 1891, the number thus liable to serve was 486,845, and the number actually incorporated was 221,796. Those who are liable but do not perform personal service are subject to a tax, and in 1893 the sum paid to the Confederation was 1,438,704 francs (half the amount of the tax). Recruits are primarily liable to serve in the infantry, the best fitted physically and by education and pecuniary means being selected for other arms. In the first year of service every man undergoes a recruit's course of training, which lasts from 42 to 80 days, and during the remainder of his service in the Elite, he is called up every other year for 16 days' training; rifle practice and cavalry exercise being, however, annual. The Landwehr forces are also called together periodically for inspection and exercise, and once or twice a year the troops of a number of cantons assemble in general muster.

The troops of the Republic are divided into three classes, viz. :—

1. The Elite (Auszug), consisting in general of all men able to bear arms, from the age of 20 to 32.

2. The Landwehr, comprising all men from the 33rd to the completed 44th year.

3. The Landsturm, which can only be called out in time of war, consisting of all citizens not otherwise serving, between the ages of 17 and 50, or (in the case of ex-officers) 55.

For military purposes Switzerland is divided into 8 divisional districts of approximately equal population, and the Elite is organised in 8 army divisions, which are mainly raised each in its own divisional district. The Landwehr is not grouped in divisions, but classified in the 8 divisional districts to which the divisions of the Elite belong. Each army division has 2 brigades of infantry, 1 battalion of carabiniers, 1 regiment of dragoons, 1 company of guides, 1 brigade of artillery, 1 battalion of train, 1 battalion of engineers, 1 field hospital, 1 administrative company, the normal total of all ranks (including 91 officers and 118 horses of the Landwehr train) being 12,808, with 2,284 horses, 42 guns, and 343 other carriages. The 8 divisions are, by a law of June 26, 1891, formed into 4 army corps, each with its own staff, and troops corresponding with those of the united divisions. The Landwehr is normally of the same strength in infantry, cavalry, and engineers as the Elite, but the cavalry consists of *personnel* only. The effective strength of the Swiss army on January 1, 1894, is as follows:—

—	Elite	Landwehr	Landsturm
Staff of army . . . . .	10	—	—
Staffs of Div. & Ry. Sections.	86	18	—
Infantry . . . . .	97,929	57,979	58,653
Cavalry . . . . .	3,244	2,936	—
Artillery . . . . .	20,294	12,357	3,206
Engineers . . . . .	6,792	3,236	—
Pioneers . . . . .	—	—	115,958
Auxiliary troops . . . . .	—	—	95,479
Sanitary troops . . . . .	4,597	3,063	—
Administrative troops . . . . .	1,590	673	—
Velocip., Judicial officers, &c.	390	36	—
Total . . . . .	134,932	80,298	273,296

The whole army is composed of two classes of troops, those of the Confederation, and those of the cantons. The Confederation troops are of the Elite and Landwehr—in cavalry, the guide companies; in artillery, the park columns, artificer companies, and train battalions; all the engineers, and sanitary and administrative troops. The remainder, consisting of all the infantry and the bulk of the cavalry and artillery, both of Elite and Landwehr, and the whole of the Landsturm, are cantonal troops, and are at the disposal of the cantons except in so far as is otherwise provided by statute. In accordance with this arrangement, officers are appointed by the cantons for the units of the cantonal troops (i.e., up to the rank of captain), and by the Federal Council for troops of the Confederation and for combined corps. In time of peace the highest commands are held by colonels. When mobilisation is contemplated, one of the colonels is appointed commander-in-chief and is styled general, but on demobilisation he reverts to his former rank.

The principal training school for officers is that at Thun, near Berne.

For the defence of the Gothard, Andermatt, Airolo, and Oberalp, there is a standing force of cadres (skeleton), and 2 battalions of fusiliers.

### Production and Industry.

The soil of the country is very equally divided among the population, it being estimated that there are nearly 300,000 peasant proprietors, representing a population of about 2,000,000.

Of the total area 28·4 per cent. is unproductive ; of the productive area 35·8 per cent. is under grass and meadows, 29 per cent. under forest, 18·7 per cent. under fruit, 16·4 per cent. under crops and gardens. Rye, oats, and potatoes are the chief crops, but the bulk of food crops consumed in the country is imported. In 1891 the yield of cereals was : wheat, 645,000 quintals ; rye, 300,000 quintals ; oats, 800,000 quintals ; maize and barley, 250,000 quintals ; in all 1,995,000 quintals. In the same year 5,024,230 quintals of cereals were imported. The chief agricultural industries are the manufacture of cheese and condensed milk. The annual export of cheese amounts to about 435,400 cwt., and of condensed milk to about 264,350 cwt. About 22 million gallons of wine are produced annually. At the last enumeration (1886) there were in the country 98,333 horses, 1,211,713 cattle of all kinds, 341,632 sheep, 415,619 goats, 394,451 swine, of the total value of 17,936,880*l.* In 1893 there were imported 10,198 horses, 1,118 colts, 599 mules and asses, 65,199 cattle, 51,386 pigs, 92,461 sheep.

The Swiss Confederation has the right of supervision over the police of the forests, and of framing regulations for their maintenance. The entire forest area of Switzerland is 2,051,670 acres in extent. The district over which the Federal supervision extends lies to the south and east of a tolerably straight line from the eastern end of the Lake of Geneva to the northern end of the Lake of Constance. It comprises about 1,119,270 acres, and the Federal forest laws apply to all cantonal, communal, and municipal forests within this area, those belonging to private persons being exempt, except when from their position they are necessary for protection against climatic influences. In 1876 it was enacted that this forest area should never be reduced ; servitudes over it, such as rights of way, of gathering firewood, &c., should be bought up ; public forests should be surveyed, and new wood planted where required, subventions for the purpose being sanctioned. Up to the end of 1893 the cadastration of 248,378 acres of forest had been executed, and in the year 1893, 7,782,204 trees were planted. Subventions are also granted to the free forest districts, comprising 1,477 square miles of forest.

There were, in 1893, 100 establishments for pisciculture, which produced fry of various species to the number of 14,803,300.

Switzerland is in the main an agricultural country, though with a strong tendency to manufacturing industry. On January 1, 1893, there were altogether in Switzerland 4,606 factories of various kinds, subject to the factory law. There were (1891) in the various textile industries, 1,943 establishments, employing 89,901 hands ; leather, caoutchouc, &c., 115 establishments, with 6,445 hands ; articles of food, 410, with 10,702 hands ; chemical products, 115, with 2,696 hands ; wood industry, 7,234, with 5,048 hands ; metals, 547, with 33,056 hands ; paper and printing, 272, with 7,356 hands ; building, 102, with 2,751 hands. Under the Federal alcohol régime there were in 1892, 64 distilleries, which produced 22,773 metric quintals of alcohol, valued at 2,053,586 francs. In Switzerland there are about 1,000 hotels, employing about 16,000 persons, the receipts of the hotels amounting annually to about 2,000,000*l.*

### Commerce.

The special commerce, including precious metals, was as follows in five years :—



available, the most distant known points of transit are recorded. In accordance with this system, Swiss returns show, as far as it can be ascertained, the trade between the Confederation and Great Britain, though, since direct commercial intercourse is impossible, the name of Switzerland does not occur in the trade returns of the United Kingdom.

The following table shows the distribution of the special trade of Switzerland in 1893 (including bullion but not coin). Much of the trade with the frontier countries is really of the nature of transit trade :—

—	Imports from	Exports to
	Francs	Francs
Germany . . . . .	237,779,975	167,868,249
France . . . . .	111,558,546	74,252,502
Italy . . . . .	146,965,625	42,888,543
Austria-Hungary . . . . .	76,236,668	39,907,017
Great Britain . . . . .	44,419,524	118,063,178
Belgium . . . . .	21,341,895	9,947,196
Russia . . . . .	55,305,066	18,433,937
Holland . . . . .	3,451,449	4,227,301
Rest of Europe . . . . .	18,750,847	30,079,682
<b>Total Europe . . . . .</b>	<b>715,809,595</b>	<b>505,667,605</b>
Africa . . . . .	12,112,433	4,997,446
Asia . . . . .	35,362,834	27,599,126
America . . . . .	59,220,437	104,364,454
Australia . . . . .	5,016,530	1,763,845
Not stated . . . . .	—	2,058,717
<b>Total . . . . .</b>	<b>827,521,829</b>	<b>646,451,193</b>

### Internal Communications.

From official returns, it appears that in January, 1894, 2,220 miles of railway were open for traffic. The cost of construction of the lines, rolling stock, &c., up to the end of 1892 was 1,050,301,364 francs. The receipts in 1892 amounted to 90,751,989 francs, and expenses to 60,366,090 francs.

In 1893 there were in Switzerland 1,491 post-offices and 1,795 letter-boxes; 2,785 higher functionaries, and 4,789 employés (letter carriers, &c.). By the internal service there were forwarded 72,206,123 letters, 14,766,330 post-cards, 27,548,682 packets of printed matter, 82,865,451 newspapers, and 2,915,012 sample and other parcels. In the foreign postal service there were transmitted 14,829,919 letters, 4,762,290 post-cards, and 7,212,257 packets of printed matter. Internal post-office orders were sent to the amount of 398,749,963 francs, and international sent and received to the amount of 35,402,663 francs.

Switzerland has a very complete system of telegraphs, which, excepting wires for railway service, is wholly under the control of the State. In 1893 the length of State telegraph lines was 4,515 miles; the total length of wire being 12,258 miles. There were transmitted 1,917,369 inland telegrams, 1,263,459 international, and 519,511 in transit through Switzerland. Number of offices, 1,501. In the telephone service there were 16,929 offices, 4,088 miles of line, and 20,658 miles of wire. The receipts of the telegraph and telephone services amounted to 5,584,111 francs, and the expenses to 5,376,876 francs.

### Money and Credit.

From 1850 to 1892 the coins issued by the Swiss Confederation were of the nominal value of 57,083,766 francs, 18,588,000 francs being in twenty-



franc gold pieces. In 1893 the issue was of the nominal value of 2,340,000 francs, 2,000,000 francs being in twenty-franc gold pieces.

The silver money in circulation in Switzerland contains a large proportion of coin issued by the other members of the Latin Union. In July 1894 the Italian fractional silver pieces then current were withdrawn.

On December 31, 1893, there were 35 banks with a paid-up capital of 157,150,000 francs, and note issue of 181,488,750 francs. For 1893 the average of their general monthly balances was:—

Assets	Francs	Liabilities	Francs
Cash and notes . . . .	111,089,155	Note issue . . . . .	176,825,500
Short-dated debts . . . .	30,251,048	Short dated debts . . . .	107,922,522
Bills of exchange . . . .	216,288,358	Bills of exchange . . . .	14,247,040
Other debts . . . . .	678,240,849	Other debts . . . . .	566,858,256
Investments . . . . .	12,328,319	Paid-up capital, reserves, &c.	182,344,411
Capital not paid up . . . .	11,550,000	Capital not paid up . . . .	11,550,000
<b>Total . . . . .</b>	<b>1,059,747,729</b>	<b>Total . . . . .</b>	<b>1,059,747,729</b>

Cantonal bank notes are guaranteed by 19 cantons.

### Money, Weights, and Measures.

The *Franc*, of 10 *Batzen*, and 100 *Rappen* or *Centimes*.

Average rate of exchange, 25·22½ francs = £1 sterling.

The 20-franc piece is ·900 fine, the 5-franc silver piece is ·900 fine, the silver 2-franc, franc, and half-franc are ·835 fine. Switzerland belongs to the Latin Monetary Union.

The *Centner*, of 50 *Kilogrammes* and 100 *Pfund* = 110 lbs. avoirdupois. The *Quintal* = 100 *Kilogrammes* = 220 lbs. avoirdupois. The *Arpent* (Land) = 8·9ths of an acre.

The *Pfund*, or pound, chief unit of weight, is legally divided into decimal *Grammes*, but the people generally prefer the use of the old halves and quarters, named *Halbpfund*, and *Viertelpfund*.

### Diplomatic and Consular Representatives.

#### 1. OF SWITZERLAND IN GREAT BRITAIN.

*Chargé d'Affaires and Consul-General*.—Charles D. Bourcart.

*Secretary*.—Charles Corragioni d'Orelli.

#### 2. OF GREAT BRITAIN IN SWITZERLAND.

*Envoy Extraordinary and Minister Plenipotentiary*.—Fred. R. St. John, appointed January 1, 1893.

### Statistical and other Books of Reference concerning Switzerland.

#### 1. OFFICIAL PUBLICATIONS.

Eidgenössische Volkszählung vom 1. December, 1888. 4. Bern, 1892.

Feuille fédérale suisse. Bern.

Foreign Office Reports. Annual Series and Miscellaneous Series. 8. London.

Geschäftsberichte des Schweizerischen Bundesraths an die Bundesversammlung. 8. Bern. 1894.

Resultats du compte d'état de la Confédération suisse pour l'année 1893. 4. Berne, 1894.

Schweizerische Statistik. Herausgegeben vom Statistischen Bureau des Eidgenöss. Departements des Innern. Bern, 1894.

Statistique du commerce de la Suisse avec l'étranger en 1893. Berne, 1894.

Statistisches Jahrbuch der Schweiz. Bern, 1894.

Voranschlag der Schweizerischen Eidgenossenschaft für das Jahr 1893. Bern, 1894.

The Armed Strength of Switzerland, by Colonel C. W. Bowdler Bell; issued by the Intelligence Division of the War Office. London, 1889.

#### 2. NON-OFFICIAL PUBLICATIONS.

*Adams* (Sir F. O.), and *Cunningham* (C. D.), The Swiss Confederation. 1889.

Almanach fédéral suisse pour 1894. Berne, 1894.

- Baedeker's Handbook for Switzerland.* 15th edition. 8. Leipsic, 1893.
- Blumer-Heer (J. J.), Handbuch des schweizerischen Bundesstaatsrechtes.* 2 vols. 8. Schaffhausen, 1863-64. Staats und Rechtsgeschichte der schweizerischen Demokratie. 2 parts. 8. St. Gallen, 1850-59.
- Coolidge (W. A. B.), Swiss Travel and Swiss Guide Books.* 8. London, 1893.
- Curti (E.), Geschichte der schweizerischen Volksgesetzgebung.* 2nd ed. Zürich, 1885.
- Daendliker (Carl), Geschichte der Schweiz.* 2 vols. Zürich, 1892.
- Deploige (S.), Le Referendum en Suisse.* 8. Brussels, 1892.
- Dubs (Jacob), Das öffentliche Recht der schweizerischen Eidgenossenschaft.* 2 pts. 8. Zürich, 1878.
- James (E. J.) (Translator), The Federal Constitution of Switzerland.* 8. Philadelphia, 1890.
- Jay (Raoul), Etudes sur la question ouvrière en Suisse.* 8. Paris, 1893.
- MacCrackan (W. D.), The Rise of the Swiss Republic.* 8. London, 1892.
- Magnat (J.), Abrégé de l'Histoire de la Suisse.* 2nd Ed. 8. Lausanne, 1878.
- Murray's Handbook for Switzerland.* 18th ed. 8. London, 1891.
- Oechsl (W.), Die Anfänge der schweizerischen Eidgenossenschaft.* 8. Zürich, 1891.
- Reclus (Elisée), Nouvelle Géographie Universelle.* Vol. III. 8. Paris, 1878.
- Reymond (H.), Etudes sur les Institutions civiles de la Suisse.* 8. Geneva, 1885.
- Rilliet (Albert), Les Origines de la Confédération Suisse—Histoire et Légende.* 8. Geneva and Bâle, 1868. Histoire de la Restauration de la République de Genève. 8. Geneva, 1849.
- Sowerby (J.), The Forest Cantons of Switzerland.* 8. London, 1892.
- Stead (R.) and Hug (L.), Switzerland.* In 'Story of the Nations' Series. 8. London, 1890.
- Umlauf (F.), The Alps.* Translated by L. Brough. 8. London, 1889.
- Vincent (J. M.), State and Federal Government in Switzerland.* 8. Baltimore, 1891.
- Wirth (Max), Allgemeine Beschreibung und Statistik der Schweiz.* Im Verein mit gegen 60 Schweizerischen Gelehrten und Staatsmännern herausgegeben. 3 vols. 8. Zürich, 1871-1875.

## TONGA.

*King.*—**George II.**, born June 18, 1874; succeeded his great grandfather, George Tubou, in 1893.

There is a Legislative Assembly which meets every two years, composed one half of hereditary nobles, who hold their office subject to good behaviour, and half of representatives elected for three years by the people, every adult male who has paid his taxes and is not criminally incapacitated being qualified to vote.

Treaties of friendship and trade have been concluded with Great Britain, Germany, and the United States.

The kingdom consists of 3 groups of islands, called respectively, Tonga, Haapai, and Vavau, and lies between 15° and 23° 30' south, and 173° and 177° west, its western boundary being the eastern boundary of Fiji. Area, 374 square miles; population, 1893, 17,500, including 250 foreigners, mostly British. Capital, Nukualofa. The revenue, chiefly from customs and a poll tax on natives, was, in 1892, 127,062 dollars; expenditure, 120,051 dollars. Imports, 1893, 64,692*l.*, exports, 79,232*l.* The imports are in the following order:—Drapery, meats, timber, breadstuffs, ironmongery, the first being three times the value of any other. The imports are from Auckland, New Zealand (60 per cent.); Sydney, New South Wales; Samoa; Melbourne; United Kingdom. Nineteen-twentieths of the exports are copra, and the remainder mostly fruits. Tonnage entered, 1893: 65,222 tons, of which 42,523 tons was British, 14,073 tons Norwegian, and 4,556 tons German.

Gold and silver coins of Great Britain, United States, and Germany are legal tender. The weights and measures are the same as in Great Britain. Accounts are kept in dollars, shillings, and pence.

*H. B. M. High Commissioner and Consul-General for the Western Pacific.*—Sir J. B. Thurston, K. C. M. G.

*Deputy-Commissioner and Vice-Consul at Tonga.*—R. B. Leefe. Foreign Office Reports on the Trade of Tonga. Annual Series. London. The Criminal and Civil Code of the Kingdom of Tonga. 8. Auckland, 1891. *Monfat (A.), Les Tonga, on Archipel des Amis.* 8. Lyon, 1893.

## TURKEY AND TRIBUTARY STATES.

(OTTOMAN EMPIRE.)

### Reigning Sultan.

**Abdul-Hamid II.**, born September 22, 1842 (15 Shaban 1245), the second son of Sultan Abdul Medjid; succeeded to the throne on the deposition of his elder brother, Sultan Murad V., August 31, 1876.

### *Children of the Sultan.*

I. *Mehemmed-Selim* Effendi, born January 11, 1870. II. *Zekié* Sultana, born January 12, 1871. III. *Naïmé* Sultana, born August 5, 1876. IV. *Abdul-Kadir* Effendi, born February 23, 1878. V. *Ahmed* Effendi, born March 14, 1878. VI. *Naïlé* Sultana, born January 8, 1884. VII. *Mehemmed Burhan Eddin* Effendi, born December 19, 1885.

### *Brothers and Sisters of the Sultan.*

I. Mohammed *Murad* Effendi, born September 21, 1840; proclaimed Sultan of Turkey on the deposition of his uncle, Sultan Abdul-Aziz, May 30, 1876; declared by the Council of Ministers to be suffering from idiocy, and deposed from the throne, August 31, 1876.

II. *Djémilé* Sultana, born August 18, 1843; married, June 3, 1858, to Mahmoud-Djelal-Eddin Pasha, son of Ahmet Feti Pasha; widow.

III. *Mehemmed-Reshad* Effendi, born November 3, 1844; heir-apparent to the throne.

IV. *Senihé* Sultana, born November 21, 1851; married to the late Mahmud Pasha, son of Halil Pasha.

V. *Medihé* Sultana, born 1857; married (1) 1879, to Nedjib Pasha; widow 1885; (2) April 30, 1886, to Férid Pasha.

VI. *Wahid-Uddin* Effendi, born 1860.

VII. *Suleiman* Effendi, born January 12, 1861.

The present sovereign of Turkey is the thirty-fourth, in male descent, of the house of Othman, the founder of the empire, and the twenty-eighth Sultan since the conquest of Constantinople. By the law of succession obeyed in the reigning family, the crown is inherited according to seniority by the male descendants of Othman, sprung from the Imperial Harem. The Harem is considered a permanent State institution. All children born in the Harem, whether offspring of free women or of slaves, are

legitimate and of equal lineage. The Sultan is succeeded by his eldest son, but only in case there are no uncles or cousins of greater age.

It has not been the custom of the Sultans of Turkey for some centuries to contract regular marriages. The inmates of the Harem come, by purchase or free will, mostly from districts beyond the limits of the empire, the majority from Circassia. From among these inmates the Sultan designates a certain number, generally seven, to be 'Kadyn,' or Ladies of the Palace, the rest, called 'Odalik,' remaining under them as servants. The superintendent of the Harem, always an aged Lady of the Palace, and bearing the title of 'Haznadar-Kadyn,' has to keep up intercourse with the outer world through the Guard of Eunuchs, whose chief, called 'Kyzlar-Agassi,' has the same rank as the Grand Vizier, but has the precedence if present on state occasions.

We first hear of the Turks in the year 844 A.D., when they migrated from Tartary into Armenia, but they only came into prominence about 1030 A.D. Under Othman, the founder of the present dynasty, they, under the name of Othman Turks, made themselves masters of several places in Asia, captured Nicea, and made Broussa their capital (1326).

The first appearance of the Turks in Europe was in 1080, when a body of 2,000 crossed the Bosphorus to assist the Emperor Botoniates against his rival. By the end of the fourteenth century they reduced Thessaly, Macedonia, and Bulgaria, and were acknowledged the rulers of nearly all Western Asia. Constantinople was first besieged by the Turks in 1392, but was not taken till 1453. It has since been the capital of the Turkish Empire.

Mohammed II., its conqueror, then proceeded to subdue Trebizond, Wallachia, Bosnia, Illyria, and the Morea.

Under Bajazet II. and Selim I. Egypt was totally subdued, and Syria, Circassia, and Moldavia passed under Turkish rule. In 1522 Solyman I. subdued Rhodes, and in 1525 invaded Hungary and invested Vienna. This siege had to be raised, and was followed by a series of reverses. The territory under Turkish rule in Europe alone then extended over 230,000 square miles. Ever since, the glory of the empire has waned. In 1595 the Turks were driven out of Upper Hungary and Transylvania, and for a time out of Moldavia and Wallachia. In 1769 war broke out against Russia, ending in the expulsion of the Turks from the Crimea, the extension of the Russian frontier to the Bug and Dnieper, the partial independence of the Danubian principalities, and the acquisition by Russia of the right of a free passage for their fleet through the Dardanelles.

In 1806 war with Russia was again resumed, and resulted in the extension of the Russian frontier to the Pruth (1812). The Greek war for independence (1822-28) ended, owing to the interference of the foreign Powers, in the loss of that kingdom. In 1833 Russia was successful in arresting the progress of Mehemet Ali Pasha of Egypt, but the hold of Turkey over Egypt was from that time nominal. By the Treaty of 1841, Turkey was virtually placed under the protection of the Great Powers, who guaranteed its integrity and independence. In 1854 war was declared by Russia, but although assisted by England and France, and successful in its warlike operations, Turkey derived no benefit from it. In 1858 Moldavia and Wallachia united to declare what was practically their independence. The war against Russia in 1876 resulted in the loss of Bulgaria, Eastern Roumelia, Thessaly, and a strip of Eastern Armenia, also in the entire independence of Roumania, Servia, and Montenegro, and in the administration of Bosnia and Herzegovina by Austria and of Cyprus by England.

The following is a list of the names, with date of accession, of the thirty-four sovereigns who ruled Turkey since the foundation of the empire and of the reigning house :—

*House of Othman.*

Othman . . . . .	1299	Murad IV., 'The Intrepid' . . . . .	1623
Orchan . . . . .	1326	Ibrahim . . . . .	1640
Murad I. . . . .	1360	Mohammed IV. . . . .	1649
Bajazet I., 'The Thunder-bolt' . . . . .	1389	Solyman II. . . . .	1687
Interregnum . . . . .	1402	Ahmet II. . . . .	1691
Mohammed I. . . . .	1413	Mustapha II. . . . .	1695
Murad II. . . . .	1421	Ahmet III. . . . .	1703
Mohammed II., Conqueror of Constantinople . . . . .	1451	Mahmoud I. . . . .	1730
Bajazet II. . . . .	1481	Osman II. . . . .	1754
Selim I. . . . .	1512	Mustapha III. . . . .	1757
Solyman I., 'The Magnificent' . . . . .	1520	Abdul Hamid I. . . . .	1774
Selim II. . . . .	1566	Selim III. . . . .	1788
Murad III. . . . .	1574	Mustapha IV. . . . .	1807
Mohammed III. . . . .	1595	Mahmoud II. . . . .	1808
Ahmet I. . . . .	1603	Abdul-Medjid . . . . .	1839
Mustapha I. . . . .	1617-1618	Abdul-Aziz . . . . .	1861
Osman I. . . . .		Murad V. . . . .	
		May 20—Aug. 31 . . . . .	1876
		Abdul-Hamid II. . . . .	1876

The civil list of the Sultan is variously reported at from one to two millions sterling. To the Imperial family belong a great number of crown domains, the income from which contributes to the revenue. The finances of the civil list have of late been put into order, but are still reported to be insufficient to cover the expenditure of the Court and Harem, numbering altogether over five thousand individuals. The amount charged to the Budget of 1880 was P. 62,747,116 for the Palace, and P. 23,750,212 for the Crown princes. Total, about 785,000*l.*

**Constitution and Government.**

The fundamental laws of the empire are based on the precepts of the Koran. The will of the Sultan is absolute, in so far as it is not in opposition to the accepted truths of the Mahometan religion as laid down in the sacred book of the Prophet. Next to the Koran, the laws of the 'Multeka,' a code formed of the supposed sayings and opinions of Mahomet, and the sentences and decisions of his immediate successors, are binding upon the Sovereign as well as his subjects. Another code of laws, the 'Cahon nameh,' formed by Sultan Solyman the Magnificent, from a collection of 'hatti-sheriffs,' or decrees, issued by him and his predecessors, is held in general obedience, but merely as an emanation of human authority.

The legislative and executive authority is exercised, under the supreme direction of the Sultan, by two high dignitaries, the 'Sadr-azam,' or Grand Vizier, the head of the temporal Govern-

ment, and the 'Sheik-ul-Islam,' the head of the Church. Both are appointed by the Sovereign, the latter with the nominal concurrence of the 'Ulema,' a body comprising the clergy and chief functionaries of the law, over which the 'Sheik-ul-Islam' presides, although he himself does not exercise priestly functions. Connected with the 'Ulema' are the 'Mufti,' the interpreters of the Koran. The Ulema comprise all the great judges, theologians, and jurists, and the great teachers of literature and science who may be summoned by the Mufti. The principal civic functionaries bear the titles of Effendi, Bey, or Pasha.

Forms of constitution, after the model of the West European States, were drawn up at various periods by successive Ottoman Governments, the first of them embodied in the 'Hatti-Humáyoun' of Sultan Abdul-Medjid, proclaimed February 18, 1856, and the most recent in a decree of Sultan Abdul-Hamid II., of November, 1876. But the carrying out of these projects of reform appears entirely impossible in the present condition of the Ottoman Empire.

The Grand Vizier, as head of the Government and representative of the Sovereign, is assisted by the Medjliss-i-Hass, or Privy Council, which corresponds to the British Cabinet. The Medjliss-i-Hass consists of the following members:—1. The Grand Vizier; 2. The Sheik-ul-Islam; 3. The Minister of the Interior; 4. The Minister of War; 5. The Minister of Evkaf (Worship); 6. The Minister of Public Instruction; 7. The Minister of Public Works; 8. President of Council of State; 9. Minister of Foreign Affairs; 10. Minister of Finance; 11. Minister of Marine; 12. Minister of Justice; 13. Minister of Civil List.

The whole of the empire is divided into thirty-one Vilayets, or governments, and subdivided into Sanjaks, or provinces, Kazas, or districts, Nahiés, or subdistricts, and Kariés, or communities. A Vali, or governor-general, who is held to represent the Sultan, and is assisted by a provincial council, is placed at the head of each Vilayet. The provinces, districts, &c., are subjected to inferior authorities (Mutesarifs, Caïmakams, Mudirs and Muktars) under the superintendence of the principal governor. The division of the country into Vilayets has been frequently modified of late for political reasons. For similar reasons six of the Sanjaks of the empire are governed by Mutesarifs appointed directly by the Sultan, and are known as Mutessarifat. All subjects, however humble their origin, are eligible to, and may fill, the highest offices in the State.

Under the capitulations foreigners residing in Turkey are

under the laws of their respective countries, and are amenable for trial (in cases in which Turkish subjects are not concerned) to a tribunal presided over by their consul. Foreigners who own real property are amenable to the Ottoman civil courts in questions relative to their landed property. Cases between foreign and Turkish subjects are tried in the Ottoman courts, a dragoman of the foreign consulate being present to see that the trial be according to the law; the carrying out of the sentence, if against the foreigner, to be through his consulate. Cases between two foreign subjects of different nationalities are tried in the court of the defendant.

*Grand Vizier.*—General *Djevad* Pasha, appointed September, 1891.

*Sheik-ul-Islam.*—*Djemaladdin* Effendi, appointed September, 1891.

*Minister of Interior.*—*Rifaat* Pasha, September, 1891.

*Minister of War.*—General *Riza* Pasha, September, 1891.

*Minister for Foreign Affairs.*—*Said* Pasha.

*Minister of Finance.*—*Nazif* Pasha, March 15, 1891.

### Area and Population.

The total area of the Ottoman Empire (including States nominally subject) may be estimated at 1,609,240 square miles, and its total population at about 39,212,000, viz. :—

—	Square Miles	Population
Immediate possessions :—		
Europe . . . . .	61,200	4,780,000
Asia . . . . .	687,640	21,608,000
Africa . . . . .	398,738	1,300,000
	1,147,578	27,688,000
Bulgaria (including Eastern Roumelia) au- tonomous . . . . .	37,860	3,154,375
Bosnia, Herzegovina, and Novibazar— under Austria-Hungary . . . . .	23,570	1,504,091
Samos—tributary principality . . . . .	232	48,500
Egypt . . . . .	400,000	6,817,265
	461,662	11,524,131
Total . . . . .	1,609,240	39,212,131

In the following table the subdivision by Vilayets is given

for the immediate possessions according to the census begun in 1885, but still incomplete for those marked with an asterisk.

Vilayets	Area Sq. Miles	Population (Census)	Pop. per Sq. Mile
<i>Europe :—</i>			
Constantinople (European and Asiatic)	5,867 <sup>1</sup>	895,470	153
Adrianople . . . . .	15,015	836,044	56
Salonica . . . . .	13,684	990,400	72
Monastir . . . . .	7,643	664,379	87
Servia (Mutessarifat)	2,895	100,000	34
Kossova . . . . .	9,264	588,282	63
Scutari (Albania) . . . . .	4,516	202,819	45
Janina . . . . .	7,025	509,151	72
Total (Europe) . . . . .	65,909	4,786,545	73
<i>Asia :—</i>			
ASIA MINOR :—			
Ismid (Mutessarifat) . . . . .	4,296	246,824	57
*Broussa . . . . .	26,248	1,300,000	49
Bigha (Mutessarifat) . . . . .	2,895	129,047	44
Archipelago . . . . .	4,963	325,866	66
*Crete . . . . .	2,949	294,192	96
Smyrna . . . . .	17,370	1,390,783	80
*Castamouni . . . . .	19,300	1,009,460	52
Angora . . . . .	32,339	892,901	27
Konia . . . . .	35,373	1,088,100	31
Adana . . . . .	14,494	402,439	28
*Sivas . . . . .	32,308	996,120	31
Trebizond . . . . .	12,082	1,047,700	87
Total (Asia Minor) . . . . .	204,618	9,123,432	44
ARMENIA AND KHURDISTAN :—			
Erzeroum . . . . .	29,614	645,702	22
Mamouret-ül-Aziz . . . . .	14,614	575,314	39
Diarbekir . . . . .	18,074	471,462	26
*Bitlis . . . . .	11,522	388,625	34
*Van . . . . .	15,440	376,297	24
Total (Armenia) . . . . .	89,264	2,457,400	27
MESOPOTAMIA :—			
Mossul . . . . .	29,220	300,280	10
Bagdad . . . . .	54,503	850,000	15
*Bassora . . . . .	16,482	200,000	12
Total (Mesopotamia) . . . . .	100,205	1,350,280	13

<sup>1</sup> Of this area, 4,709 square miles are on the Asiatic side of the Bosphorus.



Vilayets	Area Sq. Miles	Population (Census)	Pop. per Sq. Mile
<b>SYRIA :—</b>			
Aleppo . . . . .	30,304	994,604	32
*Zor . . . . .	38,600	100,000	3
*Syria . . . . .	24,009	604,170	25
*Beyrouth . . . . .	11,773	400,000	34
Jerusalem (Mutessarifat) . . . . .	8,222	339,169	41
Lebanon (privileged Province) . . . . .	2,200	245,000	111
<b>Total (Syria)</b> . . . . .	<b>115,144</b>	<b>2,676,943</b>	<b>23</b>
<b>ARABIA :—</b>			
Hedjaz (approximate) . . . . .	96,500	3,500,000	36
Yemen ,, . . . . .	77,200	2,500,000	32
<b>Total (Arabia)</b> . . . . .	<b>173,700</b>	<b>6,000,000<sup>1</sup></b>	<b>34</b>
<b>Total (Asia)</b> . . . . .	<b>682,931</b>	<b>21,608,055</b>	<b>31</b>
<b>Africa :—</b>			
Tripoli (approximate) . . . . .	398,738	800,000	} 3
Benghazi ,, . . . . .		500,000	
<b>Total (Africa)</b> . . . . .	<b>398,738</b>	<b>1,300,000</b>	<b>3</b>
<b>Total (Turkish Empire)</b> . . . . .	<b>1,147,578</b>	<b>27,694,600</b>	<b>24</b>

<sup>1</sup> Estimates of the population of Arabia differ widely. In the 'Bevölkerung der Erde' it is put at 1,050,000, and the entire population of Asiatic Turkey at 15,430,000.

Accurate ethnological statistics of the population do not exist. In the European provinces under immediate Turkish rule, Turks (of Finno-Tataric race), Greeks, and Albanians are almost equally numerous, and constitute 70 per cent. of the population. Other races represented are Serbs, Bulgarians, Roumanians, Armenians, Magyars, Gipsies, Jews, Circassians. In Asiatic Turkey there is a large Turkish element, with some four million Arabs, besides Greeks, Syrians, Kurds, Circassians, Armenians, Jews, and numerous other races. The following are the returns for Constantinople (1885), arranged in order of religious beliefs, viz. :—

Mussulmans, 384,910 ; Greeks, 152,741 ; Armenians, 149,590 ; Bulgarians, 4,377 ; Roman Catholics (native), 6,442 ; Greek Latins, 1,082 ; Protestants (native), 819 ; Jews, 44,361 ; Foreigners, 129,243. Total, 873,565.

The estimated populations of the other largest towns are as follows :—Salonica, 150,000 ; Adrianople, 70,886 ; Monastir, 45,000 ; Scutari, 30,000 ; Janina, 20,000 ; Smyrna, 200,000 ; Damascus, 200,000 ; Bagdad, 180,000 ; Aleppo, 120,000 ; Erzeroum, 60,000 ; Kaisarieli, 60,000 ; Mossul, 57,000 ; Sana, 50,000 ; Sivas, 48,000 ; Mecca, 45,000 ; Trebizond, 45,000 ; Adana, 45,000 ; Diarbekir, 40,000 ; Broussa, 75,000 ; Angora, 30,000 ; Van, 30,000 ; Jedda, 30,000 ; Jerusalem, 41,000 ; Konieh, 25,000 ; Chios, 25,000 ; Bitlis, 25,000 ; Canea, 15,000 ; Tripoli, 30,000.

The Lebanon is governed by a Mutessarif (Christian), and has a special government. Its population is reckoned at 245,000 or about 111 per square mile.

### Religion and Education.

The adherents of the two great religious creeds of the Turkish dominions in Europe and Asia, as reduced in its limits by the treaty of Berlin, signed July 13, 1878, are estimated to consist of sixteen millions of Mahometans, and of five millions of Christians. The Mahometans form the vast majority in Asia, but only one-half of the population in Europe. In the Arabian and African Provinces the Mahometans are estimated at about seven millions. Recognised by the Turkish Government are the adherents of seven non-Mahometan creeds—namely: 1. Latins, Franks, or Catholics, who use the Roman Liturgy, consisting of the descendants of the Genoese and Venetian settlers in the empire, and proselytes among Armenians; Bulgarians, and others; 2. Greeks; 3. Armenians; 4. Syrians and United Chaldeans; 5. Maronites, under a Patriarch at Kanobin in Mount Lebanon; 6. Protestants, consisting of converts chiefly among the Armenians; 7. Jews. These seven religious denominations are invested with the privilege of possessing their own ecclesiastical rule. The Bishops and Patriarchs of the Greeks and Armenians, and the 'Chacham-Baschi,' or high-rabbi of the Jews, possess, in consequence of those functions, considerable influence.

The Mahometan clergy are subordinates to the Sheik-ul-Islam. Their offices are hereditary, and they can only be removed by Imperial iradé. A priesthood, however, in the strict sense of the word, meaning a separate class, to whom alone the right of officiating in religious services belongs, cannot be said to exist in Turkey. Not only may officers of the State be called upon to perform the rites, but any member of the congregation, who has the requisite voice and is of reputable character, may be desired to take the place of the Imam, and either recite verses of the Koran or lead in prayer. Owing to the fact that the Koran constitutes the code of law and charter of rights, as well as the religious guide, of the followers of Mahomet, there is a close connection between the ministers of religion and the professors and interpreters of the law.

The Koran and Multeka encourage public education, and, as a consequence, public schools have been long established in most considerable Turkish towns; while 'medresses,' or colleges, with

public libraries, are attached to the greater number of the principal mosques. But the instruction afforded by these establishments is rather limited.

The number of mosques in the Turkish Empire is 2,120, of which 379 are in Constantinople. The number of the clergy is 11,600. Connected with the mosques are 1,780 elementary schools, where education is supplied gratis. The private revenue of the Evkaf (church), previous to the war of 1878, was 30,200,000 piastres (251,000*l.*) per annum, but they have now been reduced to 20,000,000 piastres (166,000*l.*). The expenses are reckoned at 15,000,000 piastres (125,000*l.*). The stipend of the sheik-ul-Islam 7,031,520 piastres (59,000*l.*), and those of the Naibs and Muftis 7,876,646 piastres (66,000*l.*), are paid by the State. The principal revenues of the Evkaf are derived from the sale of landed property which has been bequeathed it, and which is known under the name of Vacouf. Three-fourths of the urban property of the Empire is supposed to belong to the Vacouf. Purchasers of property of this description pay a nominal annual rent to the Evkaf; but should they die without direct heirs the property reverts to the Church. The amount paid direct by the State to the Evkaf in 1880 (the last regular budget) was 6,910,240 piastres (57,000*l.*). The budget for the same year shows the following amounts as paid by the State for religious purposes:—Toward the expenses of pilgrimage to Mecca and presents, 13,139,529 piastres (109,000*l.*); for the public reading of the Koran, 12,747,395 piastres (106,000*l.*); subvention to Tekés (monasteries), 776,250 piastres (6,500*l.*).

### Finance.

For 1889 the Budget Committee returned the following figures for the financial year from March 1888 to March 1889:—Revenue £T18,500,000; expenditure £T21,400,000; deficit £T2,900,000. The deficit for 1889–90, estimated at £T1,700,000, was met by reducing the expenses of the War Department to £T5,500,000, the Ordnance Department to £T800,000, those of the Navy to £T600,000, by a reduction of 5 per cent. on the Budgets of other Ministers, and by the conversion of the Priority and other debts into 4 per cents.

According to an international arrangement of 1881, the debt was reduced to 106,437,234*l.* The Government agreed to hand over to an international commission the excise revenues of Turkey, to be administered by them entirely separate from the other Government administrations. The decree provided for a reduction of the capital and capitalisation of arrears of the Ottoman loans therein enumerated, and authorised a conversion of the debt by the Council of Administration in accord with the Government. The Council now consists of seven members, representing respectively Great Britain, France, Germany, Austria, Italy, and the Ottoman bondholders, and also the Priority

Obligations of the Galata bankers, the English representative acting for the Dutch and Belgian bondholders, and the Imperial and Ottoman Government being represented by an Imperial Commissioner who attends the meetings of the Council, but is only entitled to a consultative voice in its discussions. The British and French delegates act as alternative Presidents of the Council. The decree provides for the application of the produce of the conceded revenues, on the 13th of March and 13th of September of each year, to payment of interest and amortisation of the debt, subject to the preferential deduction for 22 years of £T590,000 for interest and redemption of the 5 per cent. Privileged Obligations (Priority Bonds) (see YEAR-BOOK for 1888).

The following table gives the year of issue, nominal capital, the interest per cent., and the issue price, of the foreign loans of Turkey :—

Year of Issue	Nominal capital	Inter-est	Issue price	Year of Issue	Nominal capital	Inter-est	Issue price
	£	Pr. cent.	Pr. cent.		£	Pr. cent.	Pr. cent.
1854	3,000,000	6	85	1870-72	31,680,000	3	45
1855	5,000,000	4	102½	1871	5,700,000	6	73
1858	5,000,000	6	85	1872	11,126,200	9	98½
1860	2,037,220	6	62½	1873	27,777,780	6	58½
1862	8,000,000	6	68	1865-74	87,924,640	5	50
1863	6,000,000	6	72	1877	5,000,000	5	52
1864	2,000,000	6	72				
1865	5,773,680	6	66				
1869	22,177,220	6	60½	Total .	228,196,740		

Of the above, those of 1854, 1871, and 1877 (Defence Loan) were secured on the Egyptian Tribute, payable to Turkey; that of 1855 was guaranteed by France and England.

Since September 1882 interest has been paid at the rate of 1 per cent. per annum on the reduced capital value. Both interest and amortisation will increase when the Powers determine the amount payable by Montenegro, Servia, and Greece, in accordance with the Treaty of Berlin.

The net amount of the revenues collected is as follows :—

1884-85 . . . . .	£1,731,638	1889-90 . . . . .	£1,860,033
1885-86 . . . . .	1,702,938	1890-91 . . . . .	1,808,294
1886-87 . . . . .	1,604,277	1891-92 . . . . .	1,878,945
1887-88 . . . . .	1,659,889	1892-93 . . . . .	1,989,838
1888-89 . . . . .	1,732,510	1893-94 . . . . .	1,994,500

The gross amount of the revenues assigned for the service of the debt, which were collected during the years 1892-93 and 1893-94, was as follows :—

—	1892-93	1893-94	—	1892-93	1893-94
	£T.	£T.		£T.	£T.
Salt . . . . .	755,693	774,076	Tobacco Régie . . .	778,909	792,065
Excise . . . . .	254,814	255,796	Contribution :		
Stamps . . . . .	201,161	211,960	Eastern Rou-		
Fisheries . . . . .	44,405	40,058	melia . . . . .	152,026	152,026
Silk . . . . .	56,409	66,740	Cyprus . . . . .	102,596	102,596
Tobacco tenth . . . . .	111,252	99,981	Tumbeki duty . . . . .	50,000	50,000
			Total . . . . .	£2,507,265	£2,545,298

A consolidation of the various loans (excepting the Railway Bonds, 14,211,407*l.*) has been effected and the various loans grouped into four series, viz. :—Series A, 7,183,872*l.*, representing loans of 1858 and 1862 ; Series B, 10,241,048*l.*, representing loans of 1860, 1863, and 1872 ; Series C, 30,832,511*l.*, representing loans of 1865, 1869, and 1873 ; Series D, 43,968,396*l.*, representing the General Debt. The Conversion commenced on November 20, 1884, and was closed on May 13, 1888. The amounts converted stand as follows (Sept. 1893) :—

—	Bonds converted	Redeemed	Circulating
Series A. . . . .	7,117,782	5,011,120	2,106,662
„ B. . . . .	10,044,116	1,070,500	8,973,616
„ C. . . . .	30,547,471	739,060	29,808,411
„ D. . . . .	43,644,325	692,300	42,952,025
Registered—to convert . . . . .	12,229	—	12,229
	£91,365,923		
Bonds not presented for conversion and cancelled, May, 1888. )	859,904	—	—
	£92,225,827	7,512,980	83,852,943

For the details of the arrangement, see YEAR-BOOK for 1888.

In virtue of an Iradé dated May 29, 1886, the Government compounded its debt towards the Imperial Ottoman Bank for stock of £T4,500,000, which along with stock for £T2,000,000 required for State purposes, is now issued. The stock was identical in type with the Priority Bonds, bearing interest at 5 per cent. per annum, and had a progressive sinking fund of 1 per cent. per annum, to be applied by purchase in the open market.

This stock, known as “Douanes,” representing in 1892 £4,238,500 at 5 per cent., was then converted into 4 per cent. stock. The sum of £T1,000,000 was also obtained in 1888 from Baron Hirsch in exchange for certain railway privileges, and a further sum of £T1,188,000 in 1889 as an award for claims on the railway.

In 1890 a conversion of the 5 per cent. Priority Loan was effected by the issue of 7,827,260*l.* privileged 4 per cents.

A further conversion was also made of the Dahliés and the Schim Annuities by the issue of 4,545,000*l.* Consolidation 4 per cent. Bonds, now known as Osmanies, and in 1891 the 1877 Defence Loan was converted into 6,316,920*l.* Bonds bearing interest of 4 per cent. and guaranteed by the Egyptian Tribute.

The following is the position of the Ottoman Debt (Sept. 1893) :—

Year	Denomination	Interest	Capital
		Per cent.	£
1854	Egyptian Tribute . . . .	6	1,605,740
1855	Guaranteed . . . .	4	3,185,200 <sup>1</sup>
1871	Egyptian Tribute . . . .	6	5,378,700
1872	Railway Lottery Bonds . .	—	13,488,935
1881	Converted . . . .	—	83,852,943
1889	Deutsche Bank Loan . . .	5	1,350,700
1890	Privileged . . . .	4	7,581,240
1890	Osmanié . . . .	4	4,377,000
1891	Egyptian Tribute . . . .	4	6,316,920
1891	Converted Douanes . . . .	4	5,418,580
	Total . . . .	—	132,555,958

<sup>1</sup> Inclusive of £2,125,500 drawn but not paid off.

There is in addition the war indemnity to Russia of 32,000,000*l.*, which by negotiation it has been agreed to pay at the rate of 320,000*l.* per annum without interest. The revenues of the Province of Konia have been assigned as guarantee for this annual payment.

The internal debt now consists of £11,140,000 owing to savings banks, £1500,000 advanced by the Pension Fund Department, £1130,000 by the agricultural banks, £1838,000 in bonds, £1500,000 through old forced loans. Interest on these advances is very irregularly paid.

## Defence.

### I. FRONTIERS.

Turkey occupies the South-Eastern corner of Europe and the Western portion of Asia.

The boundaries of Turkey have been considerably modified of late years. European Turkey has for frontier States in the north, Montenegro, Bosnia, Servia, Bulgaria, and Eastern Roumelia. The frontiers are mountainous towards the east, but at many points passage is easy.

The western frontier of European Turkey is formed by the Adriatic and the Ionian Seas. Its southern limits are formed by Thessaly, the *Ægean* Sea, the Dardanelles, the Sea of Marmora, and the Bosphorus, the shores of which are strongly fortified.

Asiatic Turkey has for its northern boundary the Black Sea, the Bosphorus, the Sea of Marmora, and the Dardanelles.

The boundaries to the west are the Archipelago, the Mediterranean, Arabia Petrea, and the Red Sea. Its limits to the south are Central Arabia and the Persian Gulf, those to the east Persia and Trans-Caucasia (Russia), the chief stronghold near the Russian frontier being Erzeroum.

## II. ARMY.

In Turkey all Mussulmans over 20 years of age are liable to military service, and this liability continues for 20 years. Non-Mahometans are not liable, but pay an exemption tax of about six shillings per head, levied on males of all ages. Nomad Arabs, though liable, furnish no recruits, and many nomad Kurds evade service. The army consists of (1) the *Nizam*, or Regular Army, and its reserves; (2) the *Redif* or Landwehr; and (3) the *Mustahfiz* or Landsturm. Conscripts are divided into the first and second levies. The former serve 6 years in the *Nizam*—4 with the colours and 2 in the reserve; 8 years in the *Redif*—4 in the first ban and 4 in the second; and 6 years in the *Mustahfiz*; 20 years in all. The latter consist of those not drawn for the contingent. They form what is called the *Tertib Sani* and the *Muinsiz*; they constitute part of the reserve, undergoing from 6 to 9 months' drill in the first year of service, and 30 days' drill at their homes in subsequent years.

The whole empire is divided into 7 army districts, with which are associated 7 corps d'armée called *Ordus*, with their headquarters respectively at:—1, Constantinople; 2, Adrianople; 3, Monastir; 4, Erzinjan; 5, Damascus; 6, Baghdad; 7, Sanaa (the Yemen). The troops of the 7th district are recruited chiefly from the 4th and 5th districts, while the garrisons of Crete and Tripoli are recruited from the 1st, 2nd, and 5th districts.

The *Nizam* infantry is organised in companies, battalions, regiments, brigades, and divisions. It contains 66 regiments of the line, each with 4 battalions, except three which have 3 battalions; 2 regiments of Zouaves of 2 battalions each; 1 regiment of firemen of 4 battalions; and 15 battalions of rifles. There are also 12 battalions of Tripolitan militia for local service. Each battalion of the line, Zouaves and rifles, consists of 4 companies. Two line regiments form a brigade, 2 brigades and a rifle battalion form an infantry division, and 2 divisions form an ordu. Each line and rifle battalion, on a war footing, has 24 officers, 62 non-commissioned officers, and 836 men, the total being 922 men of all ranks, with 51 horses. The peace strength varies from 250 to 550, according to the locality. The total war establishment of a regiment of 4 battalions is 3,764 men of all ranks, with 207 horses. The infantry are armed with the Martini-Peabody rifle. There are 220,000 Mauser magazine rifles (·37) in store, but none have been issued. A small-bore Mauser (·3) is being supplied.

The *Redif* is organised in two bans. (An enactment for their fusion into one has as yet been only partially applied.) The first ban consists of 48 regiments; 8 of 4 battalions from each of the first 6 ordu districts. The second ban consists of 40 regiments, 8 of 4 battalions from each of the first 5 ordu districts. On a war footing the establishments of the *Redif* are intended to be the same as those of the *Nizam*, but battalions are often 1,200 strong.

The *Nizam* cavalry consists of 38 regiments of the line, 2 regiments of the guard, and 2 squadrons of mounted infantry (at Yemen). There is no *Redif* cavalry organised. The line and guard regiments each consist of 5 squadrons, the fifth being a *depôt*. The guard regiments are quartered at Constantinople, and belong to the first ordu. Of the line regiments, 36 are formed into 6 cavalry divisions, one to each ordu, and 2 other regiments belong to the garrison at Tripoli. There are thus 202 squadrons of cavalry, of which 40 are *depôt* squadrons. The war establishment of a regiment consists of 39 officers and 647 men, 686 in all, or, adding the *depôt* squadrons, 854 of all ranks. Each regiment has 880 horses, inclusive of train. It is proposed to form in the fourth, fifth, and sixth ordu districts 48 regiments of militia or *Hamadieh* cavalry, commanded by tribal leaders, and associated with the regular army. The tribes will find the men, horses, and equipment, and the Government the armament. Each regiment will have from 512 to 1,152 men in from 4 to 6 squadrons.

The field artillery is being reorganised in accordance with a scheme sanctioned in 1891, whereby the force will be considerably strengthened. It is intended that each of the first 5 ordus shall have one battalion with 3 batteries of horse artillery, and six regiments of field and mountain artillery, comprising 30 batteries of field and 6 batteries of mountain artillery, each battery having, on war footing, 6 guns. Each of these groups of 6 regiments will form 3 brigades of which one will be attached to the Nizam, another to the first ban, and the third to the second ban of their respective ordus. The sixth ordu will have two regiments of artillery with, altogether, 12 field and 2 mountain batteries. The seventh ordu will have 3 field and 4 mountain batteries. Crete will have 4 mountain batteries, and Tripoli 4 field and 2 mountain batteries. Turkey will thus have, in all, 15 batteries of horse artillery, 169 field and 42 mountain batteries with a total of 1,356 guns. To the first ordu there are two ammunition trains, to the other five only one. The transport consists generally of pack animals. On a war footing, the establishment of a field battery consists of about 137 officers and men with 100 horses. Of fortress artillery there are 38 battalions, of which 18 belong to the ordus, located chiefly at Constantinople and Erzeroum, and 20 to the Ordnance Department. Of these, 12 companies are in the Bosphorus batteries, 8 in the Bulair lines, and the remainder in Mediterranean fortresses.

There are 19 engineer companies (pioneers), and 4 telegraph companies distributed among the 7 ordus, the second ordu having, besides, a pontoon train. There are also 12 engineer companies and 4 torpedo companies belonging to the Ordnance Department. The train service, so far as it exists, consists of 13 companies. The supply service is almost entirely staff; extraneous transport would be required for commissariat supplies. The medical service consists only of medical officers and apothecaries; there are no bearers nor cadres for field hospitals. There are 117 battalions of gendarmerie, a military organisation under civil control in time of peace.

The following is a summary of the effective combatant services of the Turkish Army:—

Infantry	...	...	648 battalions	...	...	583,200 men
Cavalry	...	...	202 squadrons	...	...	55,300 ,,
Artillery	...	...	1,356 guns	...	...	54,720 ,,
Engineers	...	...	39 companies	...	...	7,400 ,,
Total	...	...	...	...	...	700,620 ,,

### III. NAVY.

A survey of the Turkish navy reveals it as mainly an obsolescent, and in great part already an obsolete fighting force, giving small evidence of renewed vitality. It was weakened at one time by the sale of some of its best ships to other powers, and, until recently, all activity was relaxed. With four exceptions all the armourclad vessels at present on the list were acquired abroad, mostly in England. Three ships only can now be counted as sea-going armourclads of fighting value, for the rest are all of such small displacement (the latest of these dating for 1875), or were built so long ago (1864-65) as to belong now to the classes of convoying cruisers and local defence vessels.

Information concerning the state of advancement of ships in hand, as generally of the condition of the Turkish navy, is not readily accessible, but the following table of its strength is based upon such information as is available. It excludes transports, training ships, and non-effective vessels. On the whole it errs by giving a picture too favourable. Many of the smaller vessels are probably useless. The table is framed upon the plan uniformly adopted in this book, which is explained in the Introductory Table.



Battleship, 1st class	.	.	1	}	2
"    3rd "	.	.	1		
Port Defence Ships	.	.	.		7
Cruisers, 1st class (a)	.	.	1	}	10
"    "    (b)	.	.	9		
"    2nd class	.	.	.		2
"    3rd class (a)	.	.	32	}	55
"    "    (b)	.	.	23		
Torpedo craft, 1st class	.	.	9	}	31
"    "    2nd "	.	.	15		
"    "    3rd "	.	.	7		
Total					107

The table which follows of the Turkish armourclad fleet is arranged in chronological order (the cruisers following the battleships and port defence vessels), like other similar tables in this book. In the first list the ships named in italics are port defence vessels; the numbers following the names of two other ships indicate the battleship classes to which they have been assigned in the above estimate of strength. In the list of first-class cruisers all are named in italics because armoured, and those in the *b* category are admitted mainly for convoying purposes. Turkey possesses but one vessel having the qualities here taken to be necessary in a first-class cruiser, *a* (*i.e.* displacement of 5,000 tons or more, and presumed sea speed of at least 15 knots) *viz.*, the unfinished armourclad *Abdul Kader*. Abbreviations:—*a.g.b.* armoured gunboat; *bar.*, barbette; *c.b.*, central battery; *t.*, turret; *Q.F.*, quick-firing. In the column of armaments, light and machine guns are not given.

Description	Name	Launched	Displacement	Extreme Armouring, Inches.	Armament.	Torpedo Ejectors	Indicated horse-power	Nominal Speed, knots
<i>a. g. b.</i>	<i>Feth-el-Islam</i>	1864	330	3	2 7in. (Armstrong)	...	290	8·0
<i>a. g. b.</i>	<i>Memdouiyeh</i>	1864	330	3	Ditto	...	290	8·0
<i>bar.</i>	<i>Aziziyeh</i>	1864	6,400	5½	2 11in.; 8 5·9in.; 6 3·9in. (Krupp)	2	3,740	12·0
<i>bar.</i>	<i>Mahmoudiyeh</i>	1864	6,400	5½	Ditto	2	3,740	12·0
<i>bar.</i>	<i>Osmaniyyeh</i>	1864	6,400	5½	Ditto	2	3,740	12·0
<i>bar.</i>	<i>Orkaniyyeh</i>	1865	6,400	5½	Ditto	2	3,740	12·0
<i>c. b.</i>	<i>Mesoudiyeh</i> (3)	1874	8,990	12	12 10in. (18-ton, Arm., muz.); 3 5·9in. (Krupp).	...	7,800	13·0
<i>a. g. b.</i>	<i>Hisber</i>	1875	400	3	2 5·9in. (Krupp)	...	400	7·0
<i>c. b.</i>	<i>Hamidiyyeh</i> (1)	1885	6,700	9	10 10·2in.; 2 6·6in. (Krupp)	2	6,800	13·0
	First-class cruiser <i>a</i> :							
<i>bar.</i>	<i>Abdul Kader</i>	...	8,000	14	4 11in.; 6 5·9in. (Krupp), 10 Q.F.	10	11,500	...
	First-class cruisers <i>b</i> :							
<i>c. b.</i>	<i>Assar-i-Shefket</i>	1868	2,050	6	1 9in.; 4 7in. (Armstrong)	...	1,750	11·3
<i>c. b.</i>	<i>Nedjim-i-Shefket</i>	1868	2,050	6	Ditto	...	1,900	11·3
<i>c. b.</i>	<i>Assar-i-Tevfik</i>	1868	4,600	8	8 9·4in.; 2 8·2in. (Krupp)	...	3,560	13·3
<i>t.</i>	<i>Hufzi-i-Rahman</i>	1868	2,500	5½	2 9in.; 2 7in. (Arm.); 1 5in. (Krupp)	...	200	12·0
							nominal	
<i>c. b.</i>	<i>Avri-Allah</i>	1869	2,310	6	4 9in. (Armstrong)	1	2,200	12·2
<i>c. b.</i>	<i>Idjlaliyyeh</i>	1870	2,240	6	2 9in.; 2 7in. (Arm.); 1 5·9in. (K.)	...	1,800	11·0
<i>c. b.</i>	<i>Feth-i-Boulend</i>	1870	2,720	9	4 9in. (Armstrong)	1	4,200	14·0
<i>c. b.</i>	<i>Mouin-i-Zaffer</i>	1869	2,330	6	4 9in. (Arm.); 1 4·7in. (Krupp)	...	2,200	12·5
<i>c. b.</i>	<i>Moukadem-i-Häir</i>	1872	2,680	9	Ditto	...	3,000	12·5

The old sister battleships, named above as port-defence vessels, *Aziziyeh*, *Mahmoudiyeh*, *Orkaniyeh*, and *Osmaniyyeh* (6,400 tons), are being, or have been, transformed by having barbette turrets placed at each end of their batteries for the heavy Krupp guns (the hope being to fit them for something more than local defence). An armoured vessel of 6,700 tons, the *Hamidiyyeh*, was launched at Constantinople in 1885, and is said, after long delays, to have made her trials, but it is believed that not all her guns are even now mounted. This vessel, the *Mesoudiyeh*, and the unfinished armoured barbette cruiser *Abdul Kader*, are the largest ships in the Turkish navy. The *Mesoudiyeh* is 332 feet long, with extreme beam of 59 feet. She is constructed on the central battery principle, resembling our own *Hercules*, and has on the main deck a 12-gun battery of 18-ton muzzle-loading Armstrongs, and side plating 12 inches thick at the water-line. The *Abdul Kader* displaces 8,000 tons, is 340 feet in length, and is to be provided with engines of 11,500 horse-power, which should give a high speed. The chief armament will be 4 11 inch guns. The *Hundevendighiar*, and a sister ship in course of construction, are deck-protected cruisers of 4,050 tons, intended to steam 12 knots, and it is said that two others of the same type are 'contemplated.' Three smaller vessels of like character (1,600 tons) are also in hand, and a composite third class cruiser, the *Loufi-Humayoun* (1,300 tons), and a 22 knot torpedo-catcher, the *Shahin-i-Deryah*, were launched in 1892. Torpedo craft are being built at Elbing, but the whole torpedo flotilla is of very doubtful value, and the station on the Golden Horn is still uncompleted. The flagship *Assar-i-Tevfik* has been for two years without boilers.

For the navy of Turkey the crews are raised in the same manner as the land forces, partly by conscription, and partly by voluntary enlistment. The time of service in the navy is twelve years, five in active service, three in the reserve, and four in the Redif. The nominal strength of the navy is 6 vice-admirals, 11 rear-admirals, 208 captains, 289 commanders, 228 lieutenants, 187 ensigns, and 30,000 sailors, besides about 9,000 marines.

### Production and Industry.

Land in Turkey is held under four different forms of tenure—namely, 1st, as 'Miri,' or Crown lands; 2nd, as 'Vacouf,' or pious foundations; 3rd, as 'Mulikaneh,' or Crown grants; and 4th, as 'Mülk,' or freehold property. The first description, the 'miri,' or Crown lands, which form the largest portion of the territory of the Sultan, are held direct from the Crown. The Government grants the right to cultivate an unoccupied tract on the payment of certain fees, but continues to exercise the rights of seigniorship over the land in question, as is implied in the condition that if the owner neglects to cultivate it for a period of three years it is forfeited to the Crown. The second form of tenure, the 'vacouf,' was instituted originally to provide for the religion of the State and the education of the people, by the erection of mosques and schools; but this object has been set aside, or neglected, for several generations, and the 'vacouf' lands have mostly been seized by Government officials. The third class of landed property, the 'mulikaneh,' was granted to the spahis, the old feudal troops, in recompense for the military service required of them, and is hereditary, and exempt from tithes. The fourth form of tenure, the 'mülk,' or freehold property, does not exist to a great extent.

Some house property in the towns, and of the land in the neighbourhood of villages, is 'mülk,' which the peasants purchase from time to time from the Government.

Only a small proportion of arable land is under cultivation, owing principally to the want of roads and means of conveyance, which preclude the possibility of remunerative exportation.

The system of levying a tithe on all produce leaves no inducement to the farmer to grow more than is required for his own use, or in his immediate proximity. The agricultural development of the country is further crippled by custom dues for the exportation of produce from one province to another.

The system of agriculture is most primitive. The soil for the most part is very fertile; the principal products are tobacco, cereals of all kinds, cotton, figs, nuts, almonds, grapes, olives, all varieties of fruits. Coffee, madder, opium, gums are largely exported. It is estimated that 44 million acres of the Empire in Europe and Asia are under cultivation. Since the ravages produced by the phylloxera in France, Turkish wines have been largely exported to that country; 20,308,521 litres in 1887-88, at an average cost of 31 francs the hectolitre. The forest laws of the empire are based on those of France, but restrictive regulations are not enforced, and the country is being rapidly deprived of its timber. About 21 million acres are under forest, of which 3½ million acres are in European Turkey. The culture of silkworms, which had fallen off considerably, owing to disease among the worms, is again becoming an important feature. The value of cocoons produced in 1892 was over 800,000*l.*, and of raw silk 1,200,000*l.* The produce of 1893 was 20 per cent. superior. Most of the silk produced is exported, but some is used in the manufacturing of native dress material.

The mining laws of the empire are restrictive, though the country is rich in minerals, coal, copper, lead, silver, iron, manganese, chrome, bitumen, sulphur, salt, alum; coal especially is abundant, but hardly worked. A royalty of 20 per cent. is paid on all minerals exported. There is a good deal of brass-turning and beating of copper into utensils for household purposes. Concessions have also been granted for glass manufactories, paper mills, and textile looms. Carpets, which constitute a considerable article of export (about 150,000*l.*), are made on hand-looms, and so also are a number of light materials for dress. The fisheries of Turkey are important; the fisheries of the Bosphorus alone represent a value of upwards of 250,000*l.* The coast of the Mediterranean produces excellent sponges, the Red Sea mother-of-pearl, and the Persian Gulf pearls.

### Commerce.

All articles of import into Turkey are taxed 8 per cent. *ad valorem*, except tobacco and salt, which are monopolies; there is also an export duty of 1 per cent. on native produce if sent abroad, but of 8 per cent. if sent from one part of the empire to another. This internal duty it is proposed to remove altogether, and already in 1893 it was removed from wheat and other cereals.

Turkey is (September 1891) negotiating a new treaty of commerce with Great Britain and some of the other Powers, and it proposes removing the export custom duty of 1 per cent., and building Bonded Warehouses in some of the principal seaport towns of the empire. Articles destined for schools, churches, embassies, consulates, as well as agricultural machines and the plant for railways are free of duty. The following table gives (100 piastres = £T1), according to the Turkish Custom House, the value of the trade of Turkey in 1890-91 and 1891-92 (March 13 to March 12) according to countries:—

Country	Imports		Exports	
	1890-91	1891-92	1890-91	1891-92
	Piastres	Piastres	Piastres	Piastres
Great Britain	992,278,000	1,020,112,896	481,301,671	686,302,331
Austria . . .	460,669,540	459,718,130	103,944,885	123,226,997
France . . .	283,360,373	302,137,375	373,208,774	450,700,216
Russia . . .	170,303,914	186,898,925	29,328,328	25,331,331
Italy . . .	49,978,045	57,698,720	55,420,776	54,365,441
Bulgaria . . .	95,548,832	94,010,418	40,772,443	40,265,670
Persia . . .	58,500,608	65,321,159	1,662,096	1,525,648
Greece . . .	35,651,677	42,285,441	51,205,778	54,779,438
Belgium . . .	50,107,152	64,676,423	1,248,554	3,110,666
Roumania . . .	46,663,198	45,978,431	23,720,997	29,117,886
America . . .	7,469,153	3,245,392	18,262,555	23,281,333
Tunis . . .	3,977,882	6,129,193	80,112	219,973
Servia . . .	9,009,334	7,251,843	4,472,880	5,151,104
Holland . . .	10,952,934	12,172,313	16,740,220	23,592,221
Germany . . .	6,325,564	18,433,927	11,660,112	13,996,218
Egypt . . .	6,277,208	61,714,168	68,565,349	559,444
Sweden . . .	3,766,111	6,661,402	—	555
Montenegro . . .	532,379	832,165	564,429	467,497
Samos . . .	57,168	101,737	925,432	286,501
Denmark . . .	5,306	13,347	120,222	318,221
Spain . . .	—	583	441,001	406,333
	2,291,434,378	2,455,393,988	1,283,646,614	1,537,005,024

The revenue of the Custom Houses of the Empire for 1891-92 was 200,547,868 piastres, of which for Imports 186,448,870 piastres, and for Exports 14,098,998 piastres.

Of the Turkish import trade, 43 per cent. is with Great Britain, and of the export trade, 40 per cent.

Tobacco exported abroad is not included in this table; the quantity exported in 1884-85 amounted to 8,913,088 kilos.; in 1885-86 to 11,521,126 kilos.; in 1886-87, 11,688,052 kilos.; in 1887-88, 10,373,217 kilos.; in 1889-90, 10,454,427 kilos.; in 1891-92, 10,237,490,250 kilos.

The principal imports and exports for 1891-92 were as follows, the £ at 100 piastres:—

Imports, 1891-92		Exports, 1891-92	
	Piastres		Piastres
T-cloths and Sheet- ing, &c. . . .	227,352,135	Wheat . . . .	176,214,230
Quilting . . . .	135,265,824	Barley . . . .	71,664,787
Sugar . . . .	129,950,523	Rye . . . .	21,534,776
Cotton yarn . . . .	127,997,781	Sesame . . . .	16,989,125
Coffee . . . .	97,726,778	Millet . . . .	13,864,625
Rice . . . .	87,764,488	Maize . . . .	12,295,680
Madapolams . . . .	68,322,694	Oats . . . .	13,450,791
Petroleum . . . .	65,799,292	Grains, various . . . .	19,978,554
Flour . . . .	64,804,675	Raisins . . . .	166,490,941
Woollen dress stuffs.	64,232,411	Silk . . . .	109,120,001
Cloth . . . .	44,174,820	Cocoons . . . .	44,429,888
		Olives . . . .	84,059,111

Imports, 1891-92		Exports 1891-92	
	Piastres		Piastres
Iron. . . . .	43,906,543	Olive oil . . . . .	23,548,084
Leather . . . . .	39,079,753	Figs . . . . .	43,384,134
Carpets and druggets	39,063,240	Dates . . . . .	23,732,245
Cashmere . . . . .	38,372,584	Oranges and citrons.	10,965,049
Wheat . . . . .	38,365,422	Fruits, various.	5,066,684
Maize, barley, oats .	21,883,451	Nuts . . . . .	25,716,686
Cottons and woollens	36,326,013	Mohair . . . . .	54,772,719
Timber . . . . .	31,966,564	Valonia . . . . .	52,793,612
Sheep and goats . . .	28,635,142	Coffee . . . . .	52,251,013
Ready-made clothes .	28,332,124	Wool . . . . .	46,938,737
Ironmongery . . . . .	27,819,989	Cotton . . . . .	41,127,458
Silk goods . . . . .	26,958,295	Sheep and goat skins . . . . .	37,185,415
Spirits . . . . .	25,522,529	Ores . . . . .	33,073,888
Drugs . . . . .	25,623,708	Pulse . . . . .	28,750,651
Sacks . . . . .	24,789,105	Carpets . . . . .	22,599,082
Hides . . . . .	25,036,216	Cured fish . . . . .	18,286,138
Hats and caps . . . .	23,854,146	Horses and mules . .	13,934,337
Paper, various . . . .	23,055,441	Wine . . . . .	13,076,361
Cigarette paper . . .	22,693,709	Hilfé . . . . .	12,268,653
Coal . . . . .	10,750,500	Cattle . . . . .	9,411,493
Butter . . . . .	22,255,654	Alpiste . . . . .	9,228,333
Linen goods . . . . .	22,102,635	Sheep and goats . . .	7,886,513
Thread . . . . .	18,624,732	Eggs . . . . .	7,765,722
Half cottons . . . . .	18,094,669	Fowls . . . . .	7,625,553
Iron implements . . .	18,335,208	Butter . . . . .	7,147,210
Copper plates and tubes . . . . .	17,629,966	Gall nuts . . . . .	7,049,895
Packing cloth . . . .	17,236,764	Sponges . . . . .	6,876,222
Olive oil . . . . .	15,448,050	Gum . . . . .	5,317,789
Tobacco (Tumbetti) .	15,137,723	Rice . . . . .	5,437,270
Cheeses . . . . .	15,148,409	Lulés for pipes. . . .	5,799,445
Cattle . . . . .	14,802,174	Carob beans . . . . .	6,220,555
Indigo . . . . .	14,517,420		
	14,227,479		

The value of the commercial intercourse between the whole of the Turkish Empire, in Europe and Asia, and Great Britain during the last five years according to the Board of Trade Returns, is shown in the following table:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into U. K. from Turkey . . . . .	5,265,373	4,816,883	5,442,881	5,551,798	4,978,721
Exports of British produce to Turkey . . .	6,160,534	6,772,061	6,553,878	6,190,114	5,768,747

Among the articles of import into the United Kingdom from Turkey are corn, in 1891, 1,956,426*l.* ; in 1892, 1,715,085*l.* ; 1893, 1,536,104*l.* ; wool and goats' hair, 871,649*l.* in 1891 ; 1,020,830*l.* in 1892 ; 836,096*l.* in 1893 ;

valonia (dye stuff), 287,658*l.* in 1891 ; 404,934*l.* in 1892 ; 394,879*l.* in 1893 ; opium, 342,552*l.* in 1888 ; 200,556*l.* in 1891 ; 198,222*l.* in 1892 ; 124,360*l.* in 1893 ; fruit, chiefly raisins and figs, 958,382*l.* in 1891 ; 739,086*l.* in 1892 ; 636,841*l.* in 1893.

The most important article exported from Great Britain to Turkey is manufactured cotton. The exports of cotton goods in 1893 amounted to 3,334,561*l.* ; cotton yarn, 764,493*l.* ; woollens, 418,257*l.* ; iron, wrought and unwrought, 156,007*l.* ; copper, wrought and unwrought, 176,537*l.* ; coal, 211,737*l.* ; machinery, 107,772*l.*

In 1893 the imports into Aleppo amounted to 1,883,000*l.* (913,302*l.* British) ; exports, 932,991*l.* (73,075*l.* to Great Britain) ; Jaffa, imports, 349,540*l.* ; exports, 332,628*l.* ; Bussorah, imports, 684,427*l.* ; exports, 765,282*l.* ; Damascus, imports, 677,500*l.* ; exports, 456,780*l.* ; Tripoli, imports, 144,320*l.* ; exports, 124,406*l.*

### Shipping and Navigation.

The mercantile navy of the Turkish Empire, according to Lloyd's Register, in 1894 consisted of 89 steamers (each of 100 tons or upwards) of 71,358 gross tons, and 980 sailing vessels of 194,994 tons. In 1893-94 (March to February) there entered and cleared at the ports of Turkey 190,274 vessels of 34,137,321 tons. The total shipping entered and cleared at Constantinople in 1893 consisted of 17,876 vessels of 11,638,735 tons. Arranged according to order of flag, the tonnage of vessels which visited the Mediterranean ports and those of the Black Sea in 1891-92 were as follows:—English, 11,245,855 ; Ottoman, 5,444,778 ; Austro-Hungarian, 3,539,179 ; French, 2,464,066 ; Greek, 2,462,225 ; Russian, 2,002,485 ; Italian, 1,227,464 ; Egyptian, 672,587 ; Swedish, 581,644 ; German, 398,720 ; sundries, 470,858.

In 1893, 1,871 vessels of 1,316,096 tons (238 of 271,119 tons British) entered at the port of Smyrna, and 3,145 vessels of 734,966 tons (151 of 108,126 tons British) visited the port of Beyrout. At the latter port 2,538 vessels of 134,273 tons entered near Ottoman.

### Internal Communications.

Since the summer of 1888 Turkey has been in direct railway communication with the rest of Europe. The main lines start from Constantinople and from Salonica. From this latter port is now the shortest route to Egypt.

Below is a list of the various lines in Europe (including Bulgaria) and Asia which were open for traffic on January 1, 1893:—

Lines of Railway	Length, English Miles	Lines of Railway	Length, English Miles
<i>European Turkey:—</i>		<i>Asiatic Turkey:—</i>	
Constantinople to Adrianople	210	Scutari to Angora . . .	430
Adrianople to Saremby . .	152	Smyrna to Sevdikeni . . .	9
Salonica to Uskub . . .	150	„ „ Dinair . . .	234
Uskub to Mitrovitza . . .	75	„ „ Odemish . . .	68
Kulleli to Degeaghatch . .	70	„ „ Alasher . . .	105
Tirnova to Jamboli . . .	65	Mersina to Adana . . .	42
Banjalonke to Novi . . .	64	Moudania to Broussa . . .	32
Zenica to Brod . . .	118	Jaffa to Jerusalem . . .	54
Total, European Turkey .	904	Total, Asiatic Turkey .	974
		Total, Turkish Empire .	1,878

A concession has been granted for the construction of a railway of 286 miles from Salonica to Dedeagatch, to be finished by January 1896. This line will join the main Constantinople-Vienna line at Kouleli Bourgas.

There are 1,442 Turkish post-offices in the Empire. In the year 1889-90 the inland service transmitted 9,451,000 letters and post-cards, and 540,000 samples and printed papers; the international service transmitted 3,715,000 letters and post-cards, and 732,000 samples and printed papers.

The length of telegraph lines in Turkey is about 20,380 miles, and the length of wire about 31,890 miles. There are 670 telegraph offices in Europe and Asia. Annual receipts, 51,615,526 piastres; salaries, 17,669,044 piastres.

### Money, Weights, and Measures of Turkey.

On August 31, 1894, the situation of the Imperial Ottoman Bank was as follows:—

Assets	£T	Liabilities	£T
Capital not paid up . . . . .	5,500,000	Capital . . . . .	11,000,000
Cash and bills . . . . .	3,472,916	Note issue . . . . .	864,157
Securities . . . . .	5,455,081	Bills payable . . . . .	2,191,912
Current accounts of } Imperial treasury } . . . . .	1,151,219	Current accounts of } Imperial treasury } . . . . .	—
Various current ac- } counts } . . . . .	6,708,911	Various current ac- } counts } . . . . .	9,135,207
Advances . . . . .	3,328,925	Deposits for fixed term . . . . .	1,581,592
Property . . . . .	88,200	Statutory reserves . . . . .	528,282
Various . . . . .	94,358	Dividends due . . . . .	30,108
		Various . . . . .	468,352
Total . . . . .		Total . . . . .	
	25,799,610		25,699,610

#### MONEY.

The Turkish Lira, or gold Medjidié . . . . .	£	s.	d.
Piastre, 100 to the Lira . . . . .	0	18	0·064
„ „ beshlik-altilik and metallic currency	0	0	2·16
averaging 105 to the Lira . . . . .	0	0	2·06

Large accounts are frequently, as in the official budget estimates, set down in 'purses' of 500 Medjidié piastres, or 5 Turkish liras. The 'purse' is calculated as worth 4*l.* 10*s.* sterling. The gold *Lira* weighs 7·216 grammes ·916 fine, and thus contains 6·6147 grammes of fine gold. The silver 20-piastre piece weighs 24·055 grammes ·830 fine, and therefore contains 19·965 grammes of fine silver. There exists a large amount of debased silver currency—which, however, it is stated, is being gradually withdrawn—to which were added, during the years 1876 to 1881, 600,000,000 piastres of paper money, known as *caimé*; but being refused by the Government, owing to its depreciation, it became in the end of merely nominal value, and altogether refused in commercial intercourse. The copper currency was likewise repudiated, owing to its depreciation. The beshlik-altilik and metallic currency was reduced by decree to half its coined value. The former is now being called in (1889). Silver is in excess of the requirements of trade, and is generally at 8 per cent. discount. This depreciation is further accounted for by the fact that the balance of trade is against Turkey, and by the large amounts of gold which have to be yearly exported for the payment of the funded debt and the purchase of warlike ammunition.

## OLD WEIGHTS AND MEASURES.

The <i>Oke</i> , of 400 drams. . . . .	= 2·8326 lbs. avoirdupois.
„ <i>Almud</i> . . . . .	= 1·151 imperial gallon.
„ <i>Kileh</i> . . . . .	= 0·9120 imperial bushel.
44 <i>Okes</i> = 1 <i>Cantar</i> or <i>Kintal</i> . . . . .	= 125 lbs. avoirdupois.
39·44 <i>Okes</i> . . . . .	= 1 cwt.
180 <i>Okes</i> = 1 <i>Tcheké</i> . . . . .	= 511·380 pounds.
1 <i>Kileh</i> = 20 <i>Okes</i> . . . . .	= 0·36 imperial quarter.
816 <i>Kilehs</i> . . . . .	= 100 imperial quarters.
The <i>Andazé</i> (cloth measure). . . . .	= 27 inches.
„ <i>Arshin</i> (land measure) . . . . .	= 30 inches.
„ <i>Dönüm</i> (land measure) . . . . .	= 40 square paces.

The *kileh* is the chief measure for grain, the lower measures being definite weights rather than measures. 100 *kilehs* are equal to 12·128 British imperial quarters, or 35·266 hectolitres.

In March 1882 Turkish weights and measures were assimilated to the metric system, but under the old names, leading to much confusion; they have not been generally adopted in practice. *Oke*=kilogramme, *batman*=10 kilogrammes, *cantar*=100 kilogrammes, *tchéki*=1,000 kilogrammes, *shinik*=decalitre, *kileh*=hectolitre (2·75 bushels), *evlek*=are, *djeril*=hectare (2·47 acres), *arshin*=metre, *nul*=kilometre, *farsang*=10 kilometres.

In 1889 the metric system of weights was made obligatory for cereals; metric weights were decreed obligatory in January 1892, but the decree is not yet enforced.

---

**TRIBUTARY STATES.**


---

**I. BULGARIA.**

Ferdinand, Duke of Saxony, youngest son of the late Prince Augustus, Duke of Saxony, and Princess Clementine of Bourbon-Orleans (daughter of King Louis Philippe), born Feb. 26, 1861, was elected Prince of Bulgaria by unanimous vote of the National Assembly, July 7, 1887; assumed the government August 14, 1887, in succession to Prince Alexander, who abdicated Sept. 7, 1886. The election of Prince Ferdinand has not been confirmed by the Porte and the Great Powers. On January 13, 1886, Prince Alexander was appointed Governor of Eastern Roumelia, which was thus united to Bulgaria, though the union has not yet been recognised by the Powers. On April 20, 1893, he was married to Marie Louise (born January 17, 1870), eldest daughter of Duke Robert of Parma; issue, Boris, born January 30, 1894.

It is enacted by the Constitution of 1879 that 'the Prince must reside permanently in the principality. In case of absence he must appoint a Regent, whose rights and duties must be determined by a special law. The princely title is hereditary. By amendments to the Constitution adopted in 1883, a Regency, if necessary, is provided for, and by a further amendment, May, 1893, the Grand Sobranji confirmed the title of "Royal Highness" to the Prince of Bulgaria and his heir, who is permitted to retain the Roman Catholic faith, although his successors to the throne must be of the orthodox religion.

**Constitution and Government.**

The Principality of Bulgaria was created by the Treaty of Berlin, signed July 13, 1878. It was ordered by Art. 1 of the Treaty that Bulgaria should be 'constituted an autonomous and tributary Principality under the suzerainty of His Imperial Majesty the Sultan. It will have a Christian Government and a national militia.' Art. 3 ordered, 'The Prince of Bulgaria shall be freely elected by the population and confirmed by the Sublime Porte, with the con-



sent of the Powers. No member of any of the reigning Houses of the Great European Powers can be elected Prince of Bulgaria. In case of a vacancy in the princely dignity, the election of the new Prince shall take place under the same conditions and with the same forms.' On January 31, 1886, Bulgaria and Eastern Roumelia were united under one government.

Eastern Roumelia (since its union with Bulgaria also known as Southern Bulgaria) was created by the Treaty of Berlin, signed July 13, 1878. It was to remain under the direct political and military authority of the Sultan, under conditions of administrative autonomy. It was ordered by Art. 17 that 'the Governor-General of Eastern Roumelia shall be named by the Sublime Porte, with the assent of the Powers, for a term of five years.' On September 17, 1885, the Government was overthrown by a revolution, the Governor deposed and sent out of the Province, and the union of the latter with Bulgaria proclaimed. As the result of the Conference held at Constantinople by the representatives of the signatory Powers of the Berlin Treaty during the latter months of 1885, the Sultan, by imperial firman, April 6, 1886, recognised the following changes in the state of the province:—The government of Eastern Roumelia to be confided to the Prince of Bulgaria. The Mussulman districts of Kirjali and the Rupchus (Rhodope) to be re-ceded to the Porte. A commission to be named to examine the Organic Statute in order to modify it in accordance with the requirements of the situation and local needs. The interests of the Ottoman Treasury to be considered at the same time. The other stipulations of the Berlin Treaty to remain intact.

In accordance with the above provisions the rectification of the Organic Statute—chiefly as concerned the questions of the tribute and the customs—was undertaken by a Turco-Bulgarian commission sitting at Sofia. Its labours were, however, abruptly brought to a close by the events which overthrew the Prince on the night of August 20, 1886.

The province has since for all purposes formed part of Bulgaria, and is under the administration at Sofia, which is now the only recognised capital, Philippopolis being merely the centre of a prefecture.

By the Constitution of 1879, amended May, 1893, the legislative authority was vested in a single Chamber, called the National Assembly of Bulgaria. The members of it are elected by universal manhood suffrage at the rate of one member to every 20,000 of the population. Those residing in the city where the National assembly sits receive 15 francs (12s.) a day during session; others, 20 francs (16s.) a day with travelling expenses. The duration of the Assembly is five years, but it may be dissolved at any time by the Prince, when new elections must take place within four months. The Assembly in 1883 assented to a proposal for the creation of a second Chamber.

The executive power is vested, under the Prince, in a Council of eight ministers—namely, 1. Minister for Foreign Affairs and Public Worship; 2. Minister of the Interior; 3. Minister of Public Instruction; 4. Minister of Finance; 5. Minister of Justice; 6. Minister of War; 7. Minister for Commerce and Agriculture; 8. Minister of Public Works.

### Area and Population.

The estimated area of the Principality of Bulgaria proper is 24,360 English square miles, and of South Bulgaria (or Eastern Roumelia) 13,500 square miles. By a census taken on January 1, 1893, the population of the whole Principality was ascertained to be 3,309,816; the population of Eastern Roumelia being 992,386. Bulgaria has been redivided into 22 districts (including the six districts of Eastern Roumelia). Of the total population in 1893, 2,504,336 were Bulgars, 569,728 Turks, 60,018 Greeks, 51,754 gipsies, 27,531 Jews,

3,620 Germans, 1,379 Russians. Of the population 2,605,905 belonged to the Orthodox Greek Church, which is the State religion, 643,242 were Mahometans, 22,617 were Catholics. The present capital of the Principality is the city of Sofia, with a population of 47,000. The other principal towns are Philippopolis (capital of Roumelia), 36,033; Varna, with a population of 28,174; Shumla, with 23,517; Rustchuk, with 28,121; Slivno, 23,210; Stara-Zagora, 16,039; Tatar-Bazarjik, 15,659; Sistova, 12,482; Plevna, 14,307; Silistria, 11,414; Tirnova, the ancient capital of Bulgaria, with 11,314; and Vidin, with 14,772 inhabitants. The great majority of the population live by the cultivation of the soil and the produce of their flocks and herds. Marriages (1893), 31,640; births, 141,320; deaths, 92,100; surplus of births, 49,220.

### Instruction.

In 1890 Bulgaria had 3,844 elementary schools, with 129,777 boys and 42,206 girls as pupils. The total number of boys of school age, is 275,756; of girls, 261,968. For education the State grants a yearly subvention of 2,000,000 lev. Education is free and nominally obligatory for a period of four years. About 81 per cent. of the population cannot read or write. There is a university at Sofia, with gymnasia in the principal towns, including four for girls, besides several lower middle-class schools. There is a free public library at Sofia.

### Finance.

The budget estimates for 1894 were:—Revenue 101,077,550 levs (francs); expenditure, 102,207,982 levs. The chief items of revenue were:—Direct taxes, 41,942,250 levs; indirect taxes, 22,362,000 levs. The chief items of expenditure were:—Public Debt, 17,336,651 levs; Finance, 17,295,353 levs; Interior, 9,351,268 levs; Public Instruction, 8,823,743 levs; War, 22,412,787 levs. The public debt consists of 10,000,000 levs; besides a loan of 46,000,000 levs in 1886 for the purchase of the Varna Rustchuk railway; a loan of 30,000,000 levs in 1889, and a loan of 142,000,000 levs in 1892 (of which 72,000,000 only have yet been paid over).

By the Treaty of Berlin the amount of the annual tribute and the share of the Turkish debt which Bulgaria should pay to Turkey should be fixed by an agreement between the signatory Powers. So far (Dec. 1894) no amount has been fixed upon.

### Defence.

The northern frontier of Bulgaria is formed by the Danube, which, except on the east (bordering on the Dobruja), separates it from Roumania; here are the three important fortresses of Vidin, Rustchuk, and Silistria. Varna is a fortress on the Black Sea, and Shumla westward in the interior. On the west Bulgaria is bordered by Servia, and in the south-west and south by Turkey Proper.

Military service is obligatory. The army, which since the revolution of Philippopolis, in 1885, includes the Eastern Roumelian forces, is composed of 24 regiments of infantry, of 2 battalions and 1 depôt battalion each; 4 regiments of cavalry, besides the Prince's escort, 6 regiments of artillery, having 4 field-batteries of 4 guns and 120 men (8 guns in time of war), 2 depôts of artillery and 1 battery of siege artillery, 1 regiment of engineers of 3 battalions, 1 company of discipline. In peace time 6 regiments of 6 batteries of 4 guns and 1 division of mountain artillery. Six reserve regiments cadres, *i.e.* in peace, 36 batteries of 144 field guns, 6 mountain divisions of 12 mountain guns, and in war time six reverse cadres of 40 field guns, 6 regiments of 6 batteries of 8 guns = 288 field guns and 6 mountain batteries of 6 guns = 36 mountain guns. The army is divided into

3 divisions, consisting of 2 brigades each. The peace strength is about 38,320 officers and men, and the war strength about 175,000. The infantry is armed with the Mannlicher repeating rifle. The floating strength of Bulgaria consists of the Prince's yacht *Alexander I.* (800 tons), the steamships *Asjen* (400 tons), *Krum* (650 tons), and *Simeon Veliky* (600 tons), besides seven very small steamboats. There are two armoured gunboats for the defence of the Danube.

### Production and Industry.

The principal agricultural product is wheat, which is largely exported. Wine, tobacco, and silk are also produced, and attar of roses largely manufactured. There are (1892) 5,359,900 acres arable, 770,600 meadow, 237,120 vineyard, 111,120 market garden, &c., woods and forests, 3,291,100. The total cultivated area is 9,770,700 acres; uncultivated but fit for cultivation. 13,651,300; unfit for cultivation, 1,099,150. In 1892 there were in Bulgaria 7,060,300 sheep, 1,453,500 goats, and 441,000 pigs.

The principal mineral productions of the Principality are iron and coal. The salines near Bourgas yielded 25,000 tons of salt in 1891. About twenty woollen factories are at work.

### Commerce.

The principal article of trade is wheat. The other exports consist of wool, tallow, butter, cheese, hides, flax, and timber. The principal imports are textile manufactures, iron, and coals. The value of the imports of the whole Principality, in 1892, was 77,303,007 levs; exports, 74,640,354 levs.

The following table shows the trade by countries for 1893:—

Country	Imports from	Exports to	Country	Imports from	Exports to
	Levs	Levs		Levs	Levs
United Kingdom . . .	20,121,376	17,045,094	Belgium . . .	1,518,578	873,180
Austria . . .	32,515,869	2,300,431	Switzerland . . .	1,045,033	189
Turkey . . .	10,014,471	24,510,036	Servia . . .	1,194,969	191,989
France . . .	4,028,818	14,232,212	United States . . .	117,494	35,378
Russia . . .	3,388,911	32,676	Greece . . .	98,635	516,291
Germany . . .	12,060,058	15,818,460			
Roumania . . .	2,155,150	602,077			
Italy . . .	2,307,723	2,163,191	Total . . .	90,867,900	91,463,653

The chief imports in 1893 were textiles, 27,984,300 levs; colonial goods, 9,111,200 levs; metals, 8,476,925 levs; machinery, 7,879,850 levs; leather, 5,151,325 levs; timber and furniture, 4,387,650 levs. The chief articles of export were grain 74,609,525 levs to England, Germany, France, and Turkey. Live stock, 6,525,000 levs.

According to the Board of Trade Returns the imports from Bulgaria into Great Britain in 1893 were valued at 100,188*l.*, and exports from Great Britain of British produce, at 169,711*l.*; the imports into Great Britain were maize 87,504*l.*, and barley 9,695*l.*; and the principal exports from Great Britain to Bulgaria were cottons, valued at 77,609*l.*, iron, copper, and tin, 18,954*l.*

### Shipping and Communications.

The number of vessels entered at the port of Varna in 1893 was 379 of 234,913 tons (81 of 98,119 tons British), and the same number and tonnage cleared; at Bourgas (1893), 52 British steamers entered.

Bulgaria (including Eastern Roumelia) has 520 miles of railway (1893); in Bulgaria proper 312 miles. Railways have been constructed so as to connect Sofia with Constantinople on the one hand, and Belgrade and the general European system on the other. There were (including Eastern Roumelia) 2,953 miles of State telegraph lines in 1892, and 147 offices; the number of messages (1892) was 1,056,610. There were 123 post offices, and the number of letters, newspapers, &c., carried was 11,304,000.

### Money and Credit.

There is a National Bank of Bulgaria, with headquarters at Sofia and branches at Philippopolis, Rustchuk, and Varna; its capital is 400,000*l.*, provided by the State, a reserve fund of 30,000*l.*, and 16,000*l.* notes in circulation. The Ottoman Bank has a branch at Philippopolis, and in each district there is an agricultural bank under control of the Government. There are nickel and bronze Stotinki (centimes), silver coins of  $\frac{1}{2}$ , 1, 2, and 5 levs (francs); the notes of the National Bank circulate at par.

*British Agent and Consul-General at Sofia.*—Sir A. Nicolson, K. C. I. E.

At Sofia there is also a Vice-Consul, and Vice-Consuls at Philippopolis, Rustchuk, and Varna.

There are also British Consular Representatives at the following places:—

*Consuls-General.*—Bagdad, Beyrout, Bosna Serai, Salonica, Smyrna, Tripoli.

*Consuls or Vice-Consuls.*—Benghazi (Tripoli), Adrianople, Bassora, Damascus, Crete (Island), Jeddah, Jerusalem, Kurdistan, Samos, Trebizond, Brussa, Dardanelles, Gallipoli, Scutari, Adana, Antioch, Candia, Van, Rhodes, Scala Nuova.

### Books of Reference concerning Bulgaria.

- Foreign Office Reports. Annual Series. 8. London.  
 Handbook of the Armies of the Minor Balkan States. By Captain C. E. Callwell. 8. London, 1891.  
*Bath* (Marquis of), Observations on Bulgarian Affairs. 8. London, 1880.  
*Dacey* (E.), The Peasant State: An Account of Bulgaria in 1894. 8. London, 1894.  
*Huhn* (Major A. von), The Struggle of the Balkans for National Independence under Prince Alexander. London, 1886.  
*Kanitz* (F.), Donan-Bulgarien und der Balkan, 1860-75. 3 vols. 4. Leipzig, 1875-79.  
*Minchin* (J. G. C.), The Growth of Freedom in the Balkan Peninsula. 8. London, 1886.  
*Samuelson* (J.), Bulgaria Past and Present. 8. London, 1888.  
*St. Clair* (S. G. B.) and *Brophy* (C. A.), Twelve Years' Study of the Eastern Question in Bulgaria. 8. London. 1877.

## II. SAMOS.

An island off the coast of Asia Minor, forming a principality under the sovereignty of Turkey, under the guarantee of France, Great Britain, and Russia, December 11, 1832.

Area 180 square miles; population (1894) 48,666. There are besides, 13,500 natives living on the coast of Asia Minor. There are 614 foreigners, of whom 565 are Greeks. In 1893 there were 226 marriages, 1,577 births, 842 deaths.

The religion is the Greek Orthodox, all, except 36, of the inhabitants professing it.

The estimated revenue for 1893-94 was 3,029,902 piastres, and expenditure the same. There is no public debt.

The exports for 1893 were valued at 18,356,863 piastres, and imports 16,644,770 piastres. The chief exports were wines 11,296,000 piastres, grapes 3,675,000 piastres, hides 1,365,000 piastres, oil 480,000 piastres. The chief imports were wheat, flour, textiles.

In 1893, 4,559 vessels of 424,225 tons entered and cleared the port, 371 out of 1,362 steamers being British. The vessels belonging to the island were 342 of 7,813 tons.

In 1892, 64,347 letters passed through the Post Office, and 29,770 packets of printed matter. The number of telegraphic despatches was 9,369.

## Diplomatic and Consular Representatives.

### 1. OF TURKEY IN GREAT BRITAIN.

*Ambassador*.—Rustem Pasha, accredited December 7, 1885.

*Councillor of Embassy*.—Morel Bey.

*Secretary*.—Ali Ferrouh Bey.

*Naval Attaché*.—Commander Ghalib Bey.

*Consul-General*.—Fered' Oulla Effendi.

There are Consular representatives of Turkey at the following places:—

*Consuls-General*.—Liverpool, Bombay, Cape of Good Hope, Malta.

*Consuls or Vice-Consuls*.—Birmingham, Dublin, Jersey, Newcastle-on-Tyne, Colombo (Ceylon), Gibraltar, St. Louis (Mauritius), Point de Galle, Cardiff, Glasgow, Hartlepool, Hull, Leith, Manchester, Southampton, Sunderland, Swansea.

### 2. OF GREAT BRITAIN IN TURKEY.

*Ambassador*.—Right Hon. Sir Philip H. W. Currie, G.C.B.; Permanent Under-Secretary for Foreign Affairs, 1889; appointed Ambassador to Turkey, January, 1894.

*Secretary*.—Hon. M. H. Herbert.

*Military Attaché*.—Colonel H. C. Chermiside, C.B., C.M.G.

*Commercial Secretary* (Asiatic Turkey).—Edward FitzGerald Law.

*Consul-General (Acting)*.—W. H. Wrench, C.M.G.

## Statistical and other Books of Reference.

### 1. OFFICIAL PUBLICATIONS.

#### *Turkey in Europe.*

Salnamé 1307. Official Almanac for the Turkish Empire for 1893-94. 8. Constantinople. 1894.

Report of the Health Office, published annually.

Report by Mr. Godfrey Blunt on the Finances of Turkey, in 'Reports of H.M.'s Secretaries of Embassy.' Part I. 1884.

*Callwell* (Captain C. E.), Handbook of the Turkish Army. Prepared in the Intelligence Division of the War Office. London, 1892.

Constitution Ottomane promulguée le 7 Zilhidjé (11/23 décembre, 1876). 8. Constantinople, 1891.

Treaty between Great Britain, Germany, Austria, France, Italy, Russia, and Turkey, for the settlement of affairs in the East. Signed at Berlin, July 13, 1878. Fol. London, 1878.

Diplomatic and Consular Reports from Turkey and Possessions for 1893. London, 1894.

*Hertslet* (Sir E.), Foreign Office List. Published annually. London, 1891.

Ottoman Land Code. Tr. by F. Ongley, revised by H. E. Miller. 8. London, 1892.

Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions, for the year 1893. Imp. 4. London, 1894.

#### *Turkey in Asia and Africa.*

Correspondence respecting the condition of the population of Asiatic Turkey, 1888-89. C-5,723 fol. London, 1889.

Reports on the Trade, &c., of Tripoli, Palestine, Aleppo, Smyrna, Damascus, Jeddah, Beyrout, Baghdad, and Bussorah, in Foreign Office Reports, Annual Series. London, 1894.

### 2. NON-OFFICIAL PUBLICATIONS.

#### *Turkey in Europe.*

Annual Report of the British Chamber of Commerce, Constantinople.

*Barkley* (H. C.), Between the Danube and the Black Sea. 8. London.

*Bourke* (R.), Turkish Debt. Report by Rt. Hon. Robert Bourke, M.P., to the English and Dutch Bondholders. London, January 1882.

*Campbell* (Hon. Dudley), Turks and Greeks. 8. London, 1877.

*Clark* (Edson L.), The Races of European Turkey: their History, Condition, and Prospects. 8. New York, 1879.

*Cressy* (Sir Edward Shepherd), History of the Ottoman Turks, from the beginning of their Empire to the present time. New ed. 8. London, 1882.

- Elliot* (Frances), *Diary of an Idle Woman in Constantinople*. 8. London, 1893.
- Freeman* (Edward A.), *The Ottoman Power in Europe: its Nature, its Growth, and its Decline*. 8. London, 1877.
- Georgiadès* (D.), *La Turquie actuelle*. 8. Paris, 1892.
- Goehleri* (J. V.), *Die Bevölkerung der europäischen Türkei*. 8. Wien, 1866.
- Hafiz Husseyn* (Effendi), *Hadikat-ul-dschevami*. Description of the Mosques, High Schools, and Convents. 2 vols. 8. Constantinople, 1864-66.
- Hertslet* (Sir E.), *Treaties and Tariffs between Great Britain and Turkey*.
- Holland* (Thomas Erskine), *The European Concert in the Eastern Question*. Oxford, 1885
- Journal de la Chambre de Commerce de Constantinople*. Constantinople. Weekly.
- Kinglake* (Alexander William), *The Invasion of the Crimea*. 8. Edinburgh and London, 1863-75.
- Laveleye* (E. A.), *The Balkan Peninsula*. 2 vols. London, 1887.
- Le Jean* (Guillaume), *Ethnographie de la Turquie d'Europe*. [In French and German.] In *Mittheilungen aus J. Perthes' Geogr. Austalt. Ergänzungsheft No. 4*. 4. Gotha, 1861.
- Millingen* (Fred.), *La Turquie sous le règne d'Abdul Aziz*. 8. Paris, 1868.
- Poole* (Stanley Lane-), *The People of Turkey: Twenty Years' Residence among Bulgarians, Greeks, Albanians, Turks, and Armenians. By a Consul's Daughter*. 2 vols. 8. London, 1878.
- Poole* (Stanley Lane-), *Turkey*. In *Story of the Nations Series*. 8. London, 1886.
- Reclus* (Elisée), *Géographie Universelle*. Vol. I. Paris, 1876.
- Rosen* (G.), *Geschichte der Türkei neuester Zeit*. 2 vols. 8. Leipzig, 1866-67.
- Tarring* (C. J.), *British Consular Jurisdiction in the East*. London, 1888.
- Tozer* (H. F.), *The Highlands of Turkey*. London, 1869.
- Zinkeisen* (J. W.), *Geschichte des Osmanischen Reichs in Europa*. 7 vols. 8. Gotha, 1840-63.
- Elf Jahre Balkan-Erinnerungen eines Preussischen Officiers aus den Jahren 1876 bis 1887*. J. U. Kern's Verlag. Breslau, 1889.

### *Turkey in Asia and Africa.*

- Baedeker's Palestine and Syria*. 2nd. edition. 12. London, 1894.
- Barkley* (H. C.), *A Ride through Asia-Minor and Armenia*. 8. London, 1891.
- Bishop* (J. L.), *Journeys in Kurdistan*. 2 vols. 8. London, 1891.
- Brinton* (J.), *Tour in Palestine and Syria*. London, 1893.
- Bryce* (James), *Trans-Caucasia and Ararat*. 8. London, 1877.
- Burton* (Sir R. F.) and *Drake* (C. F. T.), *Unexplored Syria*. 2 vols. 8. London, 1872.
- Chauvin* (V.), *Bibliographie des Ouvrages arabes ou relatifs and Arabes (1810-85)*. 8. Liège, 1892.
- Cuinet* (Vital), *La Turquie d'Asie. Géographie administrative, &c.* Paris, 1891.
- Davis* (E.), *Asiatic Turkey*. London, 1879.
- Geary* (Grattan), *Asiatic Turkey*. 2 vols. 8. London, 1878.
- Harris* (W. B.), *A Journey through Yemen*. 8. London, 1893.
- Keane* (A. H.) and *Temple* (Sir R.), *Asia*. London, 1882.
- Macdonald* (A.), *The Land of Ararat*. 8. London, 1893.
- Murray's Handbook for Syria and Palestine*. 8. London, 1892.
- Palgrave* (W. G.), *Ulysses or Scenes and Studies in Many Lands*. 8. London, 1887.
- Reclus* (Elisée), *Nouvelle Géographie Universelle*. Vols. IX and XI. 8. Paris, 1884 and 1886.
- Rohlf's* (Gerhard), *Von Tripolis nach Alexandrien, 1868-69*. 2 vols. 8. Bremen, 1871.
- Reise vom Tripolis nach der Oase Kufra*. 8. Leipzig, 1881.
- Schwarz* (Dr. B.), *Quer durch Bithynien*. 8. Berlin, 1889.
- Thompson* (G. E.), *Life in Tripoli, with a peep at Ancient Carthage*. 8. Liverpool, 1894
- Tozer* (H. F.), *Turkish Armenia and Eastern Asia Minor*. 8. London, 1881.
- Warner* (C. D.), *In the Levant*. 2 vols. 8. London, 1892.

## III EGYPT.

(KEMI—MISR.)

### Reigning Khedive.

**Abbas Hilmi**, born July 14, 1874; son of Mohamed Tewfik, succeeded to the throne on the death of his father, January 7; 1892. He has one brother, Mohamed Aly, born Oct. 28, 1875, and two sisters, Khadija Hanem, born May 2, 1879, and Nimet Hanem, born Nov. 6, 1881.

The present sovereign of Egypt is the seventh ruler of the dynasty of Mehemet Ali, appointed Governor of Egypt in 1806, who made himself, in 1811, absolute master of the country by force of arms. The position of his grandfather, Ismail I.—forced to abdicate, under pressure of the British and French Governments, in 1879—was recognised by the Imperial Hatti-Shériff of February 13, 1841, issued under the guarantee of the five great European Powers, which established the hereditary succession to the throne of Egypt under the same rules and regulations as those to the throne of Turkey. The title given to Mehemet Ali and his immediate successors was the Turkish one of 'Vali,' or Viceroy; but this was changed by an Imperial firman of May 21, 1866 into the Persian-Arabic of 'Khidéwi-Misr,' or, as more commonly called, Khedive. By the same firman of May 27, 1866, obtained on the condition of the sovereign of Egypt raising his annual tribute to the Sultan's civil list from 376,000*l.* to 720,000*l.*, the succession to the throne of Egypt was made direct from father to son, instead of descending, after the Turkish law, to the eldest heir. By a firman issued June 8, 1873, the Sultan granted to Ismail I. the hitherto withheld rights of concluding commercial treaties with foreign Powers, and of maintaining armies.

The predecessors of the present ruler of Egypt were—

	Born	Died	Reigned
Mehemet Ali, founder of the dynasty	1769	1849	1811-48
Ibrahim, son of Mehemet. . . . .	1789	1848	June—Nov. 1848
Abbas, grandson of Mehemet. . . . .	1813	1854	1848-54
Said, son of Mehemet . . . . .	1822	1863	1854-63
Ismail, son of Ibrahim. . . . .	1830	—	1863-79
Mohamed Tewfik, son of Ismail . . . . .	1852	1892	1879-92

The present Khedive of Egypt has an annual allowance of 100,000*l.*

### Government and Constitution.

The administration of Egypt is carried on by native Ministers, subject to the ruling of the Khedive. From 1879 to 1883 two Controllors-General, appointed by France and England, had considerable powers in the direction of the affairs of the country (Khedivial Decree, November 10, 1879). In the summer of 1882, in consequence of a military rebellion, England intervened, subdued the rising, and restored the authority of the Khedive. In this intervention England was not joined by France, and as a result, on January 18, 1883, the Khedive signed a decree abolishing the joint control of England and France. In the place of the Control, the Khedive, on the recommendation of England, appointed an English financial adviser, without whose concurrence no financial decision can be taken. The financial adviser has a right to a seat in the Council of Ministers, but he is not an executive officer.

The Egyptian Ministry is at present composed of six members, among whom the departmental work is distributed as follows:—1. President—Interior; 2. Finance; 3. Justice; 4. War; 5. Public Works and Public Instruction; 6. Foreign Affairs.

On May 1, 1883, an organic law was promulgated by the Khedive creating a number of representative institutions, based on universal suffrage, with a view

to carrying on the government of the country in a more constitutional manner. These institutions included a Legislative Council, a General Assembly, and provincial boards.

The Legislative Council is a consultative body in matters of legislation, to which all general laws are submitted for examination; but the Government is not obliged to act on its advice. It consists of 30 members, 15 of whom, residing in Cairo, receive an allowance of 90*l.* a year for carriage expenses, and 15, being delegates from the provinces and provincial towns, receive 250*l.* a year for residential expenses in Cairo, besides travelling expenses to and from Cairo once a month.

The functions of the two other institutions are also of a limited character; but no new direct personal or land tax can be imposed without the consent of the General Assembly, which has to be summoned every two years. Members of the General Assembly, when convoked, receive an eight days' allowance at 1*l.* a day, with railway expenses.

Egypt Proper is administratively divided into 5 governorships of principal towns, and 14 *mudiriehs*, or provinces, subdivided into *kisms*.

#### *Governorships.*

1. Suez Canal, with the towns of Port Said, Suez, and Ismailieh.
2. Cairo.
3. Alexandria.
4. Rosetta.
5. Damietta.

#### *Mudiriehs.*

- |                |                |
|----------------|----------------|
| Lower Egypt:—  | Upper Egypt:—  |
| 1. Kalioubieh. | 1. Guizeh.     |
| 2. Menoufieh.  | 2. Minieh.     |
| 3. Gharbieh.   | 3. Beni Souef. |
| 4. Charkieh.   | 4. Fayoum.     |
| 5. Dakahlieh.  | 5. Assiout.    |
| 6. Behera.     | 6. Guerga.     |
|                | 7. Kena.       |
|                | 8. El Hedood.  |

There are also the governorships of the Red Sea littoral with Suakin, of Kosseir in the Red Sea, El Arish on the frontier of Syria, and the Sinai peninsula under the Governor-General of the Suez Canal.

The governors and *moudirs* possess very extensive powers.

### Area and Population.

Prior to 1884 the sovereign of Egypt claimed rule over territories extending almost to the Equator. As a result of the rebellion of the Sudanese, the Sudan provinces were practically abandoned (though still nominally Egyptian), and Wady Halfa, about 800 miles up the Nile from Cairo, has been (provisionally) agreed upon as the boundary of Egypt to the south (see under BRITISH EAST AFRICA and AFRICA, CENTRAL).

At the present time Egypt Proper extends from Wady Halfa, 21° 40' lat. N., to the Mediterranean. The total area, including the Oases in the Libyan Desert, the region between the Nile and the Red Sea, and El-Arish in Syria, is 400,000 square miles; but the cultivated and settled area, that is, the Nile Valley and Delta, covers only 12,976 square miles. Canals, roads, date plantations &c., cover 1,900 square miles; 2,850 square miles are comprised in the surface of the Nile, marshes, lakes, and desert. Egypt is



divided into two great districts—'Masr-el-Bahri,' or Lower Egypt, and 'El-Said,' or Upper Egypt.

The following table gives the area of the settled land surface, and the results of the census of May 1882 :—

	Area in sq. m.	Egyptians		Foreigners	Total	Density per sq. m.	
		Sedentary	Nomad				
<i>Governorats :</i>							
Lower Egypt	Cairo . . . . .	6	352,416	772	21,650	374,838	62,473
	Alexandria . . . . .	70	181,200	503	49,693	231,396	3,305
	Damietta . . . . .	4½	43,501	1	114	43,616	9,692
	Rosetta . . . . .	24½	19,267	—	111	19,378	790
	<i>Mudiriehs :</i>						
	Behera . . . . .	932	364,050	33,102	1,704	398,856	426
	Charkieh . . . . .	905	435,380	27,471	1,804	464,655	513
	Dakahlieh . . . . .	931	578,144	6,213	1,676	586,033	629
	Gharbieh . . . . .	2,340	908,041	18,900	2,547	929,488	397
	Kalioubieh . . . . .	352	254,198	16,596	597	271,391	771
Menoufieh . . . . .	639	642,609	2,512	892	646,013	1,010	
	6,204	3,778,806	106,070	80,788	3,965,664	639	
<i>Isthmus :</i>							
Isthmus	<i>Governorats :</i>						
	Port Said . . . . .	10½	14,060	226	7,010	21,296	3,092
Suez . . . . .		9,977	8	1,190	11,175		
	10½	24,037	234	8,200	32,471	3,092	
Asia	El-Arish . . . . .	½	2,629	1,291	3	3,923	19,615
Upper Egypt	Kosseir . . . . .	¼	2,190	240	—	2,430	17,010
	<i>Mudiriehs :</i>						
	Assiout . . . . .	840	549,776	11,906	455	562,137	712
	Beni Souef . . . . .	501	193,305	26,119	149	219,573	438
	Fayoum . . . . .	493	200,967	27,328	414	228,709	464
	Guizeh . . . . .	370	274,406	8,483	194	283,083	765
	Minieh . . . . .	772	294,655	19,824	339	314,818	407
	Guerga . . . . .	631	515,972	5,311	130	521,413	826
	Kena . . . . .	544	383,819	22,877	162	406,858	958
Esna <sup>1</sup> . . . . .	332	221,813	16,096	52	237,961	717	
	4,483¼	2,636,903	138,184	1,895	2,776,982	619	
Oases . . . . .	—	38,225	—	—	—	—	
Total . . . . .	10,698	6,480,600	245,779	90,886	6,817,265	638	

A new province, El Hedood, has been formed on the frontier. Esna as a province no longer exists, having been merged into the new province (1888).

Of the total population, 3,401,498 were males and 3,415,767 females.

If we arrange the above figures by administrative divisions we have the following result :—

	Egyptians		Foreigners	Total
	Sedentary	Nomad		
Governorats . . . . .	625,240	3,041	79,771	708,052
Mudiriehs . . . . .	5,817,135	242,738	11,115	6,070,988
Oases . . . . .	38,225	—	—	38,225
Total . . . . .	6,480,600	245,779	90,886	6,817,265

The families number 1,178,564, and the houses 1,084,384. Taken by nationalities, the number of foreigners in Egypt is:—Greeks, 37,301; Italians, 18,665; French, 15,716; Austrians, 8,022; English, 6,118; Germans, 948; other foreign nations, 4,116; total, 90,886. Of this total nearly 90 per cent. reside in Lower Egypt.<sup>1</sup>

The growth of the general population of the country is exhibited by the following figures:—

1800 (French estimate) . . . . .	2,000,000	1872 (De Regny) . . . . .	5,203,405
1846 (Census) . . . . .	4,463,244	1875 (Dr. Rossi Bey) . . . . .	5,251,757
1855 (Colucci Pasha) . . . . .	4,402,013	1882 (Census) . . . . .	6,806,381
1865 (Colucci Pasha) . . . . .	4,841,677		

A comparison of the two official returns, 1846 and 1882, shows an average annual increase in the population of about 1·25 per cent.

The principal towns, with their populations in 1882, are:—Cairo, 368,108; Alexandria, 208,755; Damietta, 34,046; Tantah, 33,725; Mansourah, 26,784; Zagazig, 19,046; Rosetta, 16,671; Port Said, 16,560; Suez, 10,913.

### Religion and Instruction.

The prevailing religion in Egypt is Mohammedanism. There are, however, about 600,000 Copts, Christian descendants of the ancient Egyptians. Their highest dignitary is the Patriarch of Egypt and Abyssinia, who resides at Cairo. There are twelve bishops, besides archpriests, priests, deacons, and monks. The religion is Greek-Orthodox, with peculiar doctrines and practices: priests must be married before ordained; monks and high dignitaries only cannot be married before or after ordination.

In 1875 there were 4,232 elementary schools and 4,343 teachers; in 1887 there were 6,639 schools and 7,244 teachers. Education is not compulsory, and the teachers are paid by fees. There are besides 17 schools supported by the administration of the Wakfs, with 2,000 pupils. In the chief villages the well-to-do cultivator educates his own children and those of his dependents by engaging poor students as lecturers. Education is mainly confined to the reading of the Koran. The higher standard is taught in 15 Government Colleges (schools of law, medicine, arts and crafts, polytechnic, &c.), 2,347 pupils; and in 21 national schools in the chief towns, 2,431 pupils. Over 100 pupils are educated in France, England, Austria, and Germany at the expense of the Government.

### Justice and Crime.

Subsequent to 1882 a body of gendarmerie was formed for the provinces, and a corps of police for the towns of Alexandria and Cairo. On January 1, 1884, a new organisation of police came into force, placing both them and the gaols

<sup>1</sup> These are old statistics, but no new ones have been compiled. The number of resident foreigners has largely increased.

—hitherto in the hands of the moudirs—under the control of two English officials attached to the Ministry of the Interior. Recently the head quarter staff of the police has been abolished, and an English official has been appointed Adviser to the Ministry of the Interior. Also at the end of February 1884 new criminal codes came into operation, taking away all magisterial power from the hands of the moudirs, and placing it in the hands of delegates appointed by a *Procureur-Général*, working under the Minister of Justice. Within the last five years a series of reforms has been inaugurated under English supervision, and they have resulted in the establishment of new native tribunals, the reform of the prison system, the partial abolition of the *corvée* (forced labour), the reform of the currency, and an improvement in the administration of the Finances and of the Public Works. Litigation between natives and foreigners is conducted before mixed tribunals, established under the auspices of the European Powers, and possessing very extensive jurisdiction. The total strength of the police and the gendarmerie is about 7,000.

The following are the criminal statistics of Lower and Upper Egypt for five years :—

Year	Crimes	Offences	Contraventions	Total
1889	1,387	15,752	19,172	36,311
1890	1,979	16,349	29,424	47,752
1891	1,762	22,141	51,076 <sup>1</sup>	74,979
1892	1,379	24,441	87,120	112,940
1893	1,010	24,567	117,780	143,357

<sup>1</sup> This increase is owing to the extension of summary tribunals in various parts of the country.

### Finance.

On April 5, 1880, the Khedive issued a decree appointing an international commission of liquidation to examine the financial situation of Egypt, and to draft a law regulating the relations between Egypt and her creditors, and also between the Daira Sanieh and the Daira Khassa and their creditors. That commission, in concert with the Egyptian Government, estimated the annual income of the country as follows :—

—	1880-81	1882 and after
Revenues assigned to the Debt <sup>2</sup> . . . . .	£E3,463,734	£E3,513,734
„ „ to the Government . . . . .	4,897,888	4,897,888
Total . . . . .	8,361,622	8,411,622

<sup>2</sup> £E equals £1 0s. 6d.

The commissioners assigned (1) to the service of the Privileged Debt the railway and telegraph income and the port dues of Alexandria; and (2) to the service of the Unified Stock the customs revenue and the taxes of four provinces. The charge for the Privileged Debt was a fixed annuity, providing interest at 5 per cent., and sinking fund calculated to extinguish the debt by 1941. Should the revenues assigned to the Privileged Debt prove insufficient to meet the annuity, the deficit was to become a first charge on the revenues assigned to the Unified Debt. The interest of the latter debt was fixed at 4 per cent., guaranteed by the Government in case the assigned revenues were insufficient. The surplus of the revenues assigned to the debt was to go to the

redemption of the Unified by purchase of stock in the market. In September 1884 a portion of this surplus was appropriated by the Government.

Their estimate of the liabilities of Egypt was:—

Government :	£E	£E
Tribute . . . . .	681,486	
Moukabalah annuity . . . . .	150,000	
Interest to England on Suez Canal shares . . . . .	193,858	
Daira Khassa . . . . .	34,000	
Administrative expenses . . . . .	3,641,544	
Unforeseen expenditure . . . . .	197,000	
	<hr/>	4,897,888
 Debt :		
Privileged Stock . . . . .	1,157,718	
Unified . . . . .	2,263,686	
	<hr/>	3,421,404
		<hr/>
		8,319,292

The total floating debt at the end of 1884 was about £E8,000,000. In March 1885 the representatives of Great Britain, Germany, Austria, France, Italy, Russia, and Turkey signed a Convention according to which they agreed to guarantee a new loan of 9,000,000*l.* This sum was to provide for the settlement of the floating debt and the Alexandria Indemnities, with a surplus of 1,000,000*l.* to be applied to irrigation works. The principal stipulations of the Convention were:—Rate of interest on the guaranteed loan not to exceed 3½ per cent. ; its service to be a fixed annuity of 315,000*l.*, which is a first charge on the assigned revenues, and the surplus of the annuity after payment of interest to be used for redemption. The coupons of the other Egyptian loans to be taxed in 1885–86 to the extent of 5 per cent. ; the surplus of revenue over expenditure to be divided between the Government and the sinking fund.

The tax on the coupons was repaid in 1887, the tax discontinued, and a reserve fund established, which at the present time amounts to nearly £E1,736,000. In the early part of 1888—an arrangement having been come to with the ex-Khedive Ismaïl Pasha and certain members of his family for the commutation of their allocations on the civil list for Domains, and it being considered desirable to redeem pensions in a similar manner—a loan of £E2,300,000 was issued in May 1888 to provide for these commutations by paying off the mortgages on the Domains lands required. A fixed annuity of £E130,000 was assigned for the service of the new 4½ per cent. loan, but, as an equivalent sum was economized through the reduction of the civil list and of the pension budget, and the considerable diminution in the interest on the Domains Loan, the annual burden on Egypt was not increased by the new issue ; while, as a large sinking fund provides for the rapid extinction of the 4½ per cent. loan, a temporary charge has been substituted for a permanent one.

A Khedivial decree was issued on June 6, 1890, with the consent of the Powers, authorizing the conversion of the 5 per cent. Privileged Loan, of the Daira Sanieh Loan, and of the Domains Loan, and the reimbursement of the 4½ per cent. Loan of 1888. A new privileged loan was issued in which was included the 5 per cent. Privileged Loan, the 4½ per cent. Loan, and a sum of 1,333,333*l.* to be employed on irrigation works, and in the exchange of pensions for land. This new privileged loan bears interest at 3½ per cent., and was issued at 91*l.* per 100*l.* of capital. A new 4 per cent. Daira Sanieh Loan was issued at par. The capital of the old loan was calculated at 85*l.* for 100*l.* of nominal capital in accordance with the decree of June 6, 1890. The new

Domains Loan converted at par, 25th March, 1893, bears interest at  $4\frac{1}{2}$  per cent. The new loans issued enjoy the same privileges and guarantees as the loans for which they were substituted.

Table showing the amount of the Egyptian debt at the end of December, 1894 :—

	£
Guaranteed Loan, 3 per cent. . . . .	8,766,200
Privileged Debt, $3\frac{1}{2}$ per cent. . . . .	29,393,580
Unified Debt, 4 per cent. . . . .	55,974,820
Daira Sanieh Loan, 4 per cent . . . . .	6,814,720
Domains Loan, $4\frac{1}{2}$ per cent. . . . .	3,457,570

Total . . . . . 104,406,890

The budgets fixed upon for 1894 and 1895 are set forth in the table below :—

Revenue	1895	1894	Expenditure	1895	1894
	£E	£E		£E	£E
Land tax, date taxes, &c. . . . .	4,870,000	4,870,000	Public debt . . . . .	3,770,837	3,883,019
Urban taxes, &c. . . . .	130,000	129,000	Tribute to Turkey . . . . .	665,041	665,041
Customs and Tobacco . . . . .	1,650,000	1,410,000	Civil List of H. H. the Khedive. . . . .	100,000	100,000
Octrois . . . . .	200,000	200,000	Civil Lists, Khedivial family . . . . .	97,927	106,927
Salt and natron . . . . .	170,000	170,000	Private Cabinet of H. H. the Khedive . . . . .	55,934	55,934
Fisheries . . . . .	98,000	97,000	Public Works Ministry . . . . .	775,659	470,659
Navigation dues . . . . .	78,000	78,000	Ministry of Justice . . . . .	380,162	372,317
Railways . . . . .	1,700,000	1,650,000	Administration of Provinces . . . . .	320,619	323,035
Telegraphs . . . . .	42,000	42,000	Finance Ministry . . . . .	119,715	119,221
Port of Alexandria . . . . .	130,000	125,000	Ministry of Public Instruction . . . . .	105,000	104,289
Post Office . . . . .	100,000	112,000	Ministry of Interior . . . . .	111,707	122,723
Postal Boats Administration . . . . .	94,000	130,000	Council of Ministers, Ministry of Foreign Affairs and Legislative Council . . . . .	23,930	117,514
Lighthouses . . . . .	103,000	100,000	Customs administration . . . . .	149,222	134,962
Ministry of Justice . . . . .	380,000	370,000	Octrois . . . . .	33,327	32,946
Exemption from military service . . . . .	90,000	90,000	Salt and natron . . . . .	46,278	45,966
Rents on Government property . . . . .	86,000	86,000	Fisheries dues collection . . . . .	9,376	9,115
Souakim District . . . . .	15,000	16,000	Navigation dues collection . . . . .	3,058	3,207
Pension fund . . . . .	55,000	54,000	Railways . . . . .	831,465	806,258
Sundries receipts specified . . . . .	269,000	246,000	Telegraphs . . . . .	40,200	40,200
			Port of Alexandria . . . . .	23,000	24,500
			Post Office . . . . .	95,743	93,220
			Postal boats administration . . . . .	84,657	106,500
			Lighthouses . . . . .	26,850	25,142
			Public security—		
			War, Police, Prisons, Army of Occupation . . . . .	750,843	727,271
			Souakim . . . . .	119,792	119,284
			Pensions . . . . .	430,000	445,000
			Suppression of Corvée . . . . .	250,000	400,000
			Sundries specified . . . . .		84,500
			Various services of Ministers . . . . .	109,658	
			Sanitation of Cairo . . . . .	40,000	
			Unforseen expenses . . . . .	30,000	
	10,260,000	10,075,000		9,600,000	9,545,000

The charges on account of debts of all descriptions in 1895 are estimated at :

	£
Guaranteed Loan : 3% fixed annuity . . . . .	315,000
Privileged Debt : 3½% . . . . .	1,029,000
Unified Debt : 4% . . . . .	2,239,463
Daira Sanieh Loan : 4% . . . . .	272,590
Domains Loan : 4½% . . . . .	146,950
Daira Khassa : annual payment to Daira Sanieh Loan Commissioners . . . . .	34,871
Moukabalah : annuity till 1930 . . . . .	153,846
Total . . . . .	4,191,720

The services of the Domains and Daira are guaranteed by the Domains and Daira estates, which are administered for the bondholders by commissioners; should the revenue of these lands prove insufficient to cover the interest of the loans, the Government has to make good the deficits.

The final accounts for the year 1894 showed the financial result of the year to be as follows:—

	£E
Receipts . . . . .	10,321,523
Expenditure . . . . .	9,601,258
Surplus . . . . .	720,265

Of this surplus £E256,947 went to the Reserve Fund of the Caisse de la Dette, £E118 843 to the Egyptian Government Special Reserve Fund, and £E344,475, the amount of the economy from the conversions in deposit, to the Caisse de la Dette.

At the beginning of the year 1893 the Reserve Funds stood as follows:—

	£E
Reserve Fund of the Caisse de la Dette . . . . .	1,996,111
Egyptian Government Reserve Fund . . . . .	533,021
Amount of the Economy from the Conversion . . . . .	1,025,292
Total Reserves . . . . .	3,554,424

## Defence.

### ARMY.

On September 19, 1882, the whole of the Egyptian army was disbanded by Khedivial decree. In December of the same year the organisation of a new army was entrusted to a British general officer, who was given the title of Sirdar. The present Sirdar is Brigadier General Kitchener, C.B., C.M.G., A.D.C. There are about 60 English officers serving at present in the Egyptian army. The army has a total strength of 13,000.

Since the rebellion in 1882 an English army of occupation has remained in Egypt. Its strength is over 3,000.

Egypt has now no efficient warships.

## Production and Industry.

The total area, land and water, of Egypt is about 8,000,000 feddans (1 feddan = 1·03 acre), and of this 5,022,000 have been cultivated in 1891. The agricultural population form 61 per cent. of the total.

The Egyptian agricultural year includes three seasons or crops. The leading winter crops, sown in November and harvested in May and June, are cereal produce of all kinds; the principal summer crops, sown in March and harvested in October and November, are cotton, sugar, and rice; the autumn crops, sown in July and gathered in September and October, are rice, sorgho (a sort of maize), and vegetables generally. In Lower Egypt the irrigation of the land is effected by means of a network of canals tapping the Nile and traversing the Delta in every direction; while in Upper Egypt the basin system of irrigation, *i.e.* the submersion at high Nile of the land to be cultivated, is adhered to.

The following table refers to the cultivation of cotton:—

Year	Area cultivated	Yield	Produce per feddan
	Feddans	Kantars	Kantars
1888	1,021,250	2,900,000	2·84
1889	852,829	3,158,000	3·7
1890	864,400	4,160,000	4·8
1891	851,000	4,765,000	5·5
1892	864,000	4,987,500	5·8

Feddan is equal to 1·03808 acre. Kantar is equal to 99·0492 lbs.

In 1886, 2,444 villages were occupied in the culture of cotton out of a total of 3,781; in 1889 the number was 2,685.

In the following table the agricultural condition of each of the provinces in Lower and Upper Egypt is indicated:—

—	No. of Villages	No. of Feddans cultivated	No. of Farm Animals	No. of Sheep and Goats	No. of Fruit Trees	No. of Date Trees
			Per 100 feddans	Per 100 feddans	Per 100 feddans	Per 100 feddans
Lower Egypt:						
Behera . . . . .	403	467,662	12	13	23	22
Charkieh . . . . .	451	434,982	12	9	24	116
Dakahlieh . . . . .	449	462,367	11	13	13	27
Gharbieh . . . . .	552	840,089	17	16	16	25
Kalioubieh . . . . .	166	187,180	17	19	325	70
Menoufieh . . . . .	338	351,710	33	18	43	8
	2,359	2,743,990	17	14	42	40
Upper Egypt:						
Assiout . . . . .	292	419,100	10	30	21	84
Beni Souef . . . . .	174	231,610	15	16	8	46
Fayoum . . . . .	87	231,045	8	13	54	105
Guizeh . . . . .	168	181,176	19	36	9	195
Minia . . . . .	268	397,240	6	9	17	54
Esna . . . . .	195	150,459	18	11	7	348
Guerga . . . . .	110	325,915	16	51	9	96
Kena . . . . .	126	280,927	10	34	10	92
	1,420	2,217,472	13	25	17	106
Total, Egypt . . . . .	3,779	4,961,462	14	20	13	69

The total number of date trees which yield fruit or seed is about 3,452,674. Cattle and farm animals, including horses and camels, number 1,668,860.

The following table shows (in feddans) the area of the several crops in 1890 and 1891:—

—	1890	1891	—	1890	1891
	Feddans	Feddans		Feddans	Feddans
Wheat . . . . .	1,165,676	1,215,841	Water - melons,		
Maize and durrah . . . . .	1,559,906	1,530,983	melons, . . . . .	44,012	43,180
Clover . . . . .	875,761	820,263	Lupins, smut . . . . .	13,141	17,355
Cotton . . . . .	864,302	871,241	Tobacco . . . . .	860	—
Beans . . . . .	628,211	643,751	Peas, &c. . . . .	8,819	7,169
Barley . . . . .	456,075	460,330	Flax, henna, indigo	6,050	5,829
Lentils . . . . .	77,216	75,756	Castor plant, sesame	14,133	9,664
Rice . . . . .	148,095	167,164			
'Helbe' (Fenugreek)	133,484	139,560			
Vegetables, potatoes	37,244	34,542	Total crops . . . . .	6,130,701	6,145,849
Sugar cane . . . . .	65,505	64,539	Area cultivated . . . . .	5,022,701	—
'Guilbane' (Chick- ling vetch) . . . . .	32,211	38,702			
			Double cultivation . . . . .	1,108,000	—

In Lower Egypt the soil yields four crops in three years; in Upper Egypt seven crops in six years.

### Commerce.

The exterior commerce of Egypt, comprising imports and exports of all kinds of merchandise, is given at the following figures for five years:—

Year	Imports	Exports	Totals
	£E	£E	£E
1889	7,020,961	11,953,196	18,974,157
1890	8,081,297	11,876,086	19,957,383
1891	9,201,390	13,878,628	23,080,018
1892	9,091,481	13,341,318	22,432,799
1893	8,718,735	12,789,687	21,508,422

The movement of specie during the same period has been—

Year	Imports	Exports
	£E	£E
1889	1,900,418	2,642,900
1890	2,971,461	1,963,700
1891	2,824,861	2,085,455
1892	3,826,400	2,048,900
1893	2,946,674	3,517,152



The following table shows the value of the commercial intercourse of Egypt with different foreign countries for three years :—

	Exports to			Imports from		
	1891	1892	1893	1891	1892	1893
	£E	£E	E	£E	£E	£E
Great Britain <sup>1</sup> . . .	8,940,277	7,867,495	7,255,691	3,427,613	3,200,638	2,812,222
Turkey . . . . .	389,053	439,809	425,530	1,668,815	1,893,300	1,911,039
France and Algeria . .	1,104,456	1,096,695	901,064	915,366	878,178	927,459
Austria-Hungary . . .	626,187	562,515	467,033	858,419	784,588	723,051
Italy . . . . .	723,594	611,746	584,289	280,271	277,031	331,460
Russia . . . . .	1,625,040	1,735,486	1,786,602	354,142	347,346	387,038
India, China, &c. . . .	36,917	24,938	52,693	779,773	693,595	597,535
Greece . . . . .	22,719	10,581	10,370	115,840	34,604	51,137
America . . . . .	81,295	168,255	247,034	21,439	35,092	37,598
Other countries . . . .	5,329,100	823,798	1,059,581	779,712	853,109	940,196
Total . . . . .	18,878,638	13,341,318	12,789,687	9,201,390	9,091,481	8,718,735

<sup>1</sup> Includes British possessions in the Mediterranean.

The percentage of Egyptian intercourse with various countries for the last three years was as follows :—

	Imports from			Exports to		
	1891	1892	1893	1891	1892	1893
Great Britain . . . . .	37	34	31	47	58	57
Mediterranean possessions . .	—	1·6	0·1	—	0·2	1·5
Eastern possessions . . . . .	8	6·7	0·4	0·2	0·2	7
Austria . . . . .	9	8·6	4	4	4·2	8
France and Algeria . . . . .	10	9·7	7	6	8·2	11
Greece . . . . .	1	0·4	0·1	0·1	0·7	0·6
Italy . . . . .	3	3	5	4	4·6	4
Russia . . . . .	4	3·8	14	8	13	4·4
Turkey . . . . .	18	21	3·4	2	3	22

The value of the leading exports and imports of Egypt during the last three years is shown in the following table :—

Exports				Imports			
—	1891	1892	1893	—	1891	1892	1893
	£E	£E	£E		£E	£E	£E
Cotton . . .	8,988,826	8,838,034	8,525,974	Cotton goods .	1,943,892	1,541,600	1,320,838
Cotton seed .	1,544,963	1,923,700	1,840,357	Silks, wool-			
Sugar . . .	572,694	686,500	760,793	lens, linen,			
Beans . . .	908,441	693,000	687,958	hemp, &c. .	1,187,331	1,303,700	1,150,125
Wheat . . .	513,264	238,900	83,952	Coal . . .	473,845	617,500	404,847
Rice . . .	125,654	137,100	124,525	Hosiery, cloth-			
Indian corn .	434,146	119,000	5,827	ing, &c. .	349,985	376,500	356,903
Hides & skins	85,879	89,100	93,743	Timber . . .	426,552	688,300	439,482
Onions . . .	87,525	114,150	146,068	Coffee . . .	294,998	286,150	293,418
Wool . . .	35,740	34,150	48,150	Wine, beer, &			
Flour and				spirits . . .	291,570	293,850	309,697
bran . . .	27,673	13,700	2,290	Tobacco and			
Lentils . . .	80,100	43,400	23,726	cigars . . .	464,426	349,500	424,177
Gum arabic .	522	566	117	Petroleum &			
				oils . . .	302,387	324,250	264,364
				Machinery .	167,491	272,500	152,065
				Iron and steel			
				goods . . .	465,649	637,500	342,907
				Indigo . . .	173,680	249,900	208,427
				Fruits, fresh &			
				preserved .	267,577	273,000	242,010
				Animals . . .	181,552	241,600	187,696
				Wheat & flour	107,933	204,600	337,815
				Rice . . .	131,057	152,116	124,525
				Refined sugar	56,393	30,600	25,623

Statement showing the value of the imports from, and exports to, each country in the last two years:—

—	Imports		Exports	
	1892	1893	1892	1893
	£E	£E	£E	£E
England . . .	3,061,426	2,683,121	7,843,938	7,242,455
British Colonies in the Mediterranean . . .	139,212	119,222	23,557	13,236
British Colonies in the Extreme East . . .	609,974	597,071	24,938	52,693
Germany . . .	179,858	118,244	312,970	399,791
America . . .	35,092	37,598	168,255	247,034
Austria-Hungary . . .	784,588	720,361	562,515	467,033
Belgium . . .	358,972	230,480	132,095	85,064
China and Extreme East . . .	83,621	84,797	—	1,210
Egyptian Coasts, Red Sea . . .	7,322	4,576	28,251	26,308
Spain . . .	—	—	157,300	238,805
France . . .	878,178	896,560	1,096,695	876,504
French Colonies, Mediterranean . . .		33,506		24,560
Greece . . .	34,604	49,971	10,581	10,370
Italy . . .	277,031	331,176	611,746	584,289
Marocco . . .	40,478	37,383	—	1,219
Persia . . .	54,900	29,862	—	—
Russia . . .	347,345	387,038	1,735,486	1,786,602
Turkey . . .	1,893,300	1,510,161	439,809	425,530
Other countries . . .	305,580	346,431	193,092	26,292
Total . . .	9,091,481	8,294,558	13,341,918	12,789,687

The receipts from tobacco were:—In 1885, £E212,267; 1888, £E332,500; 1890, £E475,500; 1891, £E464,426; 1892, £E655,300; 1893, £E808,882.

The subjoined statement shows the total value of the imports from Egypt into the United Kingdom, and of the exports of British produce and manufactures to Egypt, in five years, according to the Board of Trade returns:—

	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports from Egypt into U. K.	8,620,602	8,368,851	10,658,288	10,525,230	8,845,426
Exports of British produce to Egypt . . . . .	2,940,445	3,381,830	3,789,238	3,192,592	3,363,745

The following table shows the values of the principal imports into the United Kingdom from Egypt, and of the principal exports from the United Kingdom to Egypt:—

Year	British Imports from Egypt				Exports of British Produce to Egypt			
	Raw Cotton	Cotton Seeds	Wheat	Beans	Cotton Goods	Coal	Iron	Machinery
	£	£	£	£	£	£	£	£
1889	5,704,017	1,683,767	104,002	315,358	1,270,304	828,928	134,494	141,390
1890	5,316,936	1,605,801	142,852	599,876	1,530,576	1,038,523	152,712	118,282
1891	6,468,985	1,883,268	352,005	800,874	1,745,669	1,074,238	216,920	134,296
1892	6,700,240	2,109,786	139,617	664,763	1,349,993	952,577	177,034	118,642
1893	5,364,817	2,043,725	3,045	571,007	1,569,176	755,237	174,303	141,880

### Shipping and Navigation.

The following tables show the nationality and tonnage of vessels arriving and clearing at Alexandria. Great facilities have been afforded to steamers since the completion of the docks, wharfs, and quays; and in order to still further facilitate navigation the Government have constructed a new pass, 300 feet wide, to enable vessels, which have often been delayed off the port during stormy weather, to make a direct run into harbour. The new pass, 26 feet deep, was opened to navigation in July 1894.

Arrivals and clearances of commercial vessels at Alexandria, 1889-1893.

Year	Arrivals		Clearances	
	Vessels	Tons	Vessels	Tons
1889	2,224	1,549,961	2,216	1,528,977
1890	2,019	1,632,220	2,020	1,613,800
1891	2,163	1,807,717	2,158	1,765,716
1892	2,312	2,116,123	2,291	2,072,212
1893	2,271	2,033,060	2,233	2,025,433

The following table shows the nationality of commercial vessels arrived and cleared in 1893 :—

Nationality	Arrivals		Clearances	
	Vessels	Tons	Vessels	Tons
British . . . . .	596	864,288	605	876,071
French . . . . .	122	273,831	122	272,644
Austrian . . . . .	141	194,398	128	184,403
Ottoman . . . . .	934	240,878	934	236,704
Russian . . . . .	78	138,348	83	146,011
Italian . . . . .	132	200,533	123	190,277
Greek . . . . .	157	25,869	142	26,185
Swedish and Norwegian . . . . .	39	45,507	37	44,701
German . . . . .	26	36,749	26	37,575
Spanish . . . . .	1	1,508	1	1,508
Belgian . . . . .	—	—	—	—
Danish . . . . .	3	3,361	3	3,361
Dutch . . . . .	3	3,663	3	3,663
Portuguese . . . . .	—	—	—	—
Jerusalem (flag) . . . . .	6	246	5	210
Samioite . . . . .	24	2,097	12	1,119
Montenegrin . . . . .	9	1,784	9	1,632
<b>Total for 1893 . . . . .</b>	<b>2,271</b>	<b>2,033,060</b>	<b>2,233</b>	<b>2,025,433</b>

The total arrivals at Port Said, Suez, Damietta, and Rosetta, in 1892, were 6,988 vessels of 7,922,652 tons, and clearances, 7,053 vessels of 7,919,634 tons.

### Suez Canal.

The following table shows the number and gross tonnage of vessels of the leading nationalities that passed through the canal in 1893 :—

Country	No.	Gross Tonnage	Country	No.	Gross Tonnage
Great Britain . . . . .	2,405	7,977,728	Russia . . . . .	24	82,767
Germany . . . . .	272	798,929	Turkey . . . . .	34	55,407
France . . . . .	190	702,634	Greece . . . . .	—	—
Holland . . . . .	178	443,147	Belgium . . . . .	1	2,546
Italy . . . . .	67	183,492	Japan . . . . .	1	2,847
Austria . . . . .	71	251,468	China . . . . .	—	—
Norway . . . . .	50	119,616	Egypt . . . . .	5	7,466
Spain . . . . .	29	100,706	Siam . . . . .	—	—
Portugal . . . . .	10	17,398	America . . . . .	3	6,526

The number and gross tonnage of vessels that have passed through the Suez Canal, and the gross receipts of the company, have been as follows in six years :—

Year	No. of Vessels	Gross Tonnage	Receipts	Year	No. of Vessels	Gross Tonnage	Receipts
1888	3,440	9,437,957	£ 2,653,174	1891	4,207	12,217,986	£ 3,336,884
1889	3,425	9,605,745	2,735,678	1892	3,559	10,866,401	2,978,097
1890	3,389	9,749,129	2,679,360	1893	3,341	10,753,798	2,826,694

The number of passengers who went through the canal in 1893 was 180,432.

The Suez Canal is 87 miles long, 66 actual canal and 21 miles lakes, connecting the Mediterranean with the Red Sea, opened for navigation November 17, 1869.

The state of the capital account as regards bonds in circulation and redeemed was as follows, on December 31, 1893, —

	Francs	Francs
Capital, 400,000 shares at 500 francs . . .	{ 392,836 in circulation 196,418,000	} 200,000,000
	{ 7,144 redeemed . . . 3,582,000	
Consolidation of unpaid coupons, 400,000 bonds at 85 francs . . .	{ 396,256 in circulation 33,681,760	} 34,000,000
	{ 3,744 redeemed . . . 318,240	
Loan (1867-68), 333,333 obligations at 300 francs . . .	{ 255,562 in circulation 76,668,600	} 99,999,900
	{ 72,538 redeemed . . . 21,761,400	
Loan (1871), 120,000 30-year bonds at 100 francs . . .	{ 56,254 in circulation 5,625,400	} 12,000,000
	{ 63,746 redeemed . . . 637,460	
Loan (1880), 73,026 3 per cent. obligations, various prices . . .	2,407 redeemed . . . —	} 26,999,962
Loan (1887), 195,000 3 per cent. obligations . . .	883 redeemed . . . —	
		79,147,540
		452,147,402

There were besides, 100,000 founders' shares, with right to participate in surplus profit under certain conditions. In 1892 the founders' share of surplus profits was 4,061,553 francs.

Of the above 400,000 shares, 176,602 belonged formerly to the Khedive of Egypt, and were purchased from him by the British Government in November 1875 for the sum of 3,976,582*l*. But the Khedive, by a convention passed in 1869 between himself and the Suez Canal Company, for the settlement of disputed claims and accounts, had alienated all dividends on his 176,602 shares up to 1894, and placed them at the disposal of the company. Against these dividends the company issued 120,000 'Délégations,' which are entitled to all sums accruing on the above 176,602 shares up to 1894; the dividends which the 'Délégations' receive are, however, lessened by an annual sum laid aside to provide a sinking fund, sufficient to extinguish them all by the end of the year 1894.

The statutes of the Suez Canal Company provide that all net earnings in excess of the 5 per cent. interest on the shares shall be divided as follows:—

1. 15 per cent. to the Egyptian Government.
2. 10 „ to the founders' shares.
3. 2 „ for the employés of the company.
4. 71 „ as dividend on the 394,677 shares
5. 2 „ to the managing directors.

The net profits in 1893 were 40,615,536 francs.

### Internal Communications.

Egypt has a railway system of a total length of 1,255 miles, and 30 miles now under construction. Gross receipts in 1893, £E1,660,000. Gross expenditure in 1893, £E717,880. The following are the statistics of passengers and goods carried for six years :—

Year	Passengers, Number	Goods : Metrical tons of 1,000 Kilogrammes	Total receipts : Pasengers and goods
			£E
1888	4,004,882	1,507,886	802,204
1889	4,378,453	1,418,752	817,864
1890	4,696,286	1,721,492	958,495
1891	5,649,202	2,147,298	1,146,952
1892	7,047,295	2,296,996	1,161,896
1893	9,301,081	2,113,002	1,051,951

The telegraphs belonging to the Egyptian Government were, at the end of 1892, of a total length of 1,922 miles, the length of the wire being 6,763 miles. The Government have also established telephone communication between Cairo and Alexandria, and have given concessions to a telephone company for urban telephone lines. The Eastern Telegraph Company, also by concessions, have telegraph lines across Egypt from Alexandria *via* Cairo to Suez, and from Port Said to Suez, connecting their cables to England and India. Number of telegrams, 1,722,000, as against 1,470,000 in 1892, not including telegrams sent by the Eastern Telegraph.

The following table gives the number of letters, post-cards, newspapers, &c. which passed through the Egyptian Post Office in the year 1893 :—

	Inland	Foreign	Total
Letters and Post-Cards	9,570,000	3,950,600	13,520,600
Newspapers, &c. . .	3,580,000	2,169,400	5,749,400
Total . . .	13,150,000	6,120,000	19,270,000

Post office orders and remittances through the post office numbered 337,150 and amounted to the value of £E14,660,000.

Thirty-one per cent. of the total foreign correspondence was with Great Britain.

### Money, Weights, and Measures.

#### MONEY.

10 <i>Milliemes</i> . . . . .	=	Piastre Tarif (written P.T.).
1.000 <i>Milliemes</i> or 100 P.T. . . . .	=	£1 Egyptian.
£1 sterling . . . . .	=	97½ P.T.
<i>Napoleon</i> , gold piece of 20 francs . . . . .	=	77¼ P.T.

The Egyptian pound weighs 8·5 grammes ·875 fine, and therefore contains 7·4375 grammes of fine gold.

The 10-piastre silver piece weighs 12·5 grammes ·900 fine, and therefore contains 11·25 grammes of fine silver.

A thorough reform was effected of the Egyptian silver coinage during 1885 and 1886. Previously the coins of nearly all the countries of Europe were freely used, but now foreign silver cannot be passed except at a heavy discount.

By a decree of the Khedive, dated August 1, 1875, the metrical system of weights and measures was ordered to be introduced into Egypt on the 1st of January, 1876, compulsorily only at first in all public and administrative transactions.

#### DRY MEASURE.

The *Ardeb* is used as the unit in all transactions in grain, &c., and is equal to 5·44739 bushels.

The approximate weight of the ardeb is as follows:—Wheat, 315 rottles; beans, 320 rottles; barley, 250 rottles; maize, 315 rottles; cotton seed, 270.

#### WEIGHTS.

<i>Okieh</i>	.	.	.	.	=	1·3206 ounce.
<i>Rottle</i>	.	.	.	.	=	·99049 lb.
<i>Oke</i>	.	.	.	.	=	2·7513 lbs.
<i>Cantar</i>	{	or 100 Rottles or	}	.	=	99·0492 lbs.
		36 Okes				

#### LENGTH MEASURES.

					Inches
<i>Diraa Baladi</i> (town)	.	.	.	.	= 22·8350
<i>Diraa Mimari</i> for building, &c.	.	.	.	.	= 29·5281
<i>Kassabah</i>	.	.	.	.	= 139·7663

#### MEASURES OF SURFACE.

*Feddan*, the unit of measure for land, is equal to 1·03808 acre.

*Square Pic.*—This measure is generally used for the measuring of building sites, gardens, and other small plots of ground, and is equal to about 6 square feet and 7 inches.

### Diplomatic and Consular Representatives.

Cairo.—*Her Majesty's Agent and Consul-General in Egypt, Minister Plenipotentiary.*—Lord Cromer, G.C.B., G.C.M.G., K.C.S.I., C.I.E.

*Secretaries.*—Rennell Rodd, C.M.G.; Count de Salis; A. Mitchell Innes; and H. M. Rumbold.

*Consul-General and Judge at Alexandria.*—Sir Charles Cookson, K.C.M.G., C.B.

There are also Consular representatives at Cairo, Massowah, Zagazig, Damietta, Port Said, Suez, Suakin.

### Statistical and other Books of Reference concerning Egypt.

#### I. OFFICIAL PUBLICATIONS.

Le Commerce extérieur de l'Égypte. Annual. Alexandria.

Convention between the Governments of Great Britain, Germany, Austria-Hungary, France, Italy, Russia, and Turkey, relative to the Finance of Egypt, signed at London March 18, 1885. London, 1885.

- Correspondence respecting the State Domains of Egypt. London, 1833.  
 Correspondence respecting the Reorganisation of Egypt. London, 1833.  
 Correspondence respecting the Mixed Courts and Judicial Reforms in Egypt. London 1834.  
 Correspondence respecting the Finances of Egypt. London, 1834.  
 Further Correspondence on the Affairs of Egypt. (Egypt, Nos. 1 and 17.) London 1835.  
 Report on the Financial Situation of Egypt, dated June 28, 1834. London, 1834.  
 Correspondence respecting the proposed International Convention for securing the free Navigation of the Suez Canal. London, 1838.  
 Correspondence respecting the Settlement of the Claims of the ex-Khedive Ismaïl Pasha and his Family. London, 1838.  
 Despatch from Lord Dufferin forwarding the Decree constituting the new Political Institutions of Egypt. London, 1833.  
 La réforme monétaire en Egypte. Cairo, 1836.  
 Le Canal de Suez. Paris, published every ten days.  
 Recensement général de l'Égypte. Tomes 1 et 2. Le Caire, 1835.  
 Reports by Sir H. Drummond Wolff on the Administration of Egypt. London, 1837.  
 Reports by Mr. Villiers Stuart, M.P., respecting Reorganisation of Egypt. London, 1833.  
 Report on the Egyptian Provinces of the Soudan, Red Sea, and Equator. Compiled in the Intelligence Branch of the Quartermaster-General's Department, Horse Guards, War Office. London, 1834.  
 Report on the Soudan, by Lieut.-Colonel Stewart. London, 1833.  
 Reports on the State of Egypt and the Progress of Administrative Reforms. London, 1835.  
 Reports on the Trade of Alexandria, Suakin, Port Said, and Suez, in 'Diplomatic and Consular Reports. London, 1839.  
 Report on the Finances of Egypt. London, 1838-92.  
 Despatch from Sir Evelyn Baring inclosing a Report on the Condition of the Agricultural Population in Egypt. July, 1838.  
 Statement of the Revenue and Expenditure of Egypt, together with a List of the Egyptian Bonds and the Charges for their Services. London, 1835.  
 Suez Canal, Returns of Shipping and Tonnage. Annual. London  
 Suez Canal, Report by the British Directors on the provisional Agreement with M. de Lesseps. London, 1833.  
 Vincent (Sir Edgar), Memorandum on the Land Tax of Egypt. Cairo, 1834.—Report on the Financial Position of Egypt. Cairo, 1834.—Memorandum on the Budget of 1835. Cairo, 1835.—Note on the Currency of Egypt. Cairo, 1835.—Note on the Revenue Statement for 1834. Cairo, 1835.—Note on the Proposed Monetary Law. Cairo, 1835.—Financial Proposals. Cairo, 1835.—Egyptian Balance-sheet, December 31, 1834. Cairo, 1835.—Report on the Year 1834. Cairo, 1835.—Report on the Finances of Egypt, 1835, 1836, and 1837. Cairo.  
 L'administration financière 1834-37 et la modification du régime fiscal des tabacs en Egypte. 1837.  
 Trade of Egypt with Great Britain, in 'Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions for the year 1833.' Imp. 4. London, 1834.  
 Essai de statistique agricole, 1837 and 1838. (Boinet Bey) Le Caire, 1838 and 1839.

## 2. NON-OFFICIAL PUBLICATIONS.

- Baedeker's Lower Egypt. 2nd edit., 1835. Upper Egypt. 8. London, 1832.  
 Eairois (J.), L'irrigation en Egypte. Paris, 1838.  
 Brown (R. H.), Fayûm and Lake Moeris. 4. London, 1832.  
 Brugsch-Bey (Henri), Histoire d'Égypte. 2nd edit. Leipzig, 1835.  
 Chélu (A.), Le Nil, le Soudan, l'Égypte. Paris, 1831.  
 Darmesteter (James), Le Mahdi depuis les origines de l'Islam jusqu'à nos jours [In the 'Revue Politique et Littéraire' (Revue Bleue) for March 7, 1835.] 4. Paris, 1835.  
 De Leon (Edwin), The Khedive's Egypt. 8. London, 1837.  
 Duff-Gordon (Lady), Last Letters from Egypt. 8. London, 1835.  
 Ebers (Georg), Aegypten in Bild und Wort. Fol. Stuttgart, 1839. Egypt, Descriptive, Historical, and Picturesque. [Translation by Clara Bell.] 2 vols. London.  
 Edwards (A. B.), A Thousand Miles up the Nile. 8. London, 1837.  
 Ibrahim-Hilmy (Prince), The Literature of Egypt and the Soudan. 2 vols. London, 1836-38.  
 Lesseps (Ferdinand de), Le Canal de Suez. 8. Paris, 1835.  
 Loftie (W. J.), A Ride in Egypt. 8. London, 1839.  
 Milner (A.), England in Egypt. London, 1831.  
 Moberly-Bell (C. F.), Khedives and Pashas. London, 1839.  
 " " Egyptian Finance. London, 1836.  
 " " From Pharaoh to Fellah. London, 1837.



- McCoan* (J. C.), Egypt as it is. London, 1877.  
*Malortie* (Baron de), Egypt: Native Rulers and Foreign Interference. London, 1883.  
*Mühlbach* (L.), Reisebriefe aus Aegypten. 2 vols. S. Jena, 1871.  
*Poole* (S. Lane), Egypt. In 'Foreign Countries and British Colonies' Series. 8. London, 1881.  
*Poole* (S. Lane), Social Life in Egypt. 4. London, 1884.  
*Rabino* (Joseph), Some Statistics of Egypt. Statistical Society. London, 1884.  
 " De la progression de la dette égyptienne. Boulae, 1889.  
*Rae* (W. F.), Egypt To-day. London, 1892.  
 The Statistical Story of the Suez Canal. 'Journal of the Royal Statistical Society,' June, 1887.  
*Ronchetti* (N.), L'Egypte et ses progrès sous Ismaïl Pascha. S. Marseilles, 1868.  
*Stephan* (H.), Das heutige Aegypten. S. Leipzig, 1872.  
*Stuart* (Villiers), Egypt after the War. London, 1883.  
*Wallace* (D. Mackenzie), Egypt and the Egyptian Question. London, 1883.  
*Wilcocks* (W.), Egyptian Irrigation. E. & F. N. Spon, London, 1889.  
*Wilson* (C. T.), and *Felkin* (R. W.), Uganda and the Egyptian Soudan. London, 1882.  
*Wingate* (Major D. S. O., R.A.), Mahdiism and the Sudan, 1881-90. London, 1891.  
*Wingate* (Major D. S. O.), Ten Years in the Mahdi's Camp (from the original MS. of Father Ohrwalder). London, 1892.  
*Wylde* (A. B.), '83 to '87 in the Soudan. 2 vols. London, 1888.  
*Zincke* (F. B.), Egypt of the Pharaohs and the Khedive. S. London, 1872.

## UNITED STATES.

(UNITED STATES OF AMERICA.)

### Constitution and Government.

THE Declaration of Independence of the thirteen States of which the American Union then consisted was adopted by Congress July 4, 1776. On November 30, 1782, Great Britain acknowledged independence of the United States, and on September 3, 1783, the treaty of peace was concluded.

The form of government of the United States is based on the Constitution of Sept. 17, 1787, to which ten amendments were added Dec. 15, 1791; an eleventh amendment, Jan. 8, 1798; a twelfth amendment, Sept. 25, 1804; a thirteenth amendment, Dec. 18, 1865; a fourteenth amendment, July 28, 1868; and a fifteenth amendment, March 30, 1870.

By the Constitution, the government of the nation is entrusted to three separate authorities, the Executive, the Legislative, and the Judicial. The executive power is vested in a President, who holds his office during the term of four years, and is elected, together with a Vice-President chosen for the same term, in the mode prescribed as follows:—‘Each State shall appoint, in such manner as the Legislature thereof may direct, a number of electors, equal to the whole number of senators and representatives to which the State may be entitled in the Congress: but no senator or representative, or person holding an office of trust or profit under the United States, shall be appointed an elector.’ The practice is that in every State the electors are chosen by direct vote of the citizens. In every State except Michigan all the electors allotted to the State are chosen on a general ticket, on the system known in France as *scrutin de liste*. The Constitution enacts that ‘the Congress may determine the time of choosing the electors, and the day on which they shall give their votes, which day shall be the same throughout the United States;’ and further, that ‘no person except a natural-born citizen, or a citizen of the United States at the time of the adoption of this Constitution, shall be eligible to the office of President; neither shall any person be eligible to that office who shall not have attained to the age of thirty-five years, and been four years a resident within the United States.’

The President is commander-in-chief of the army and navy, and of the militia in the service of the Union. The Vice-President is *ex-officio* President of the Senate; and in case of

the death or resignation of the President, he becomes the President for the remainder of the term. The elections for President and Vice-President are at present held in all the States on Tuesday next after the first Monday in November, every leap-year ; and on the 4th of March following the new President-elect assumes office.

*President of the United States.*—Grover Cleveland, of New York, born March 18, 1837, at Caldwell, New Jersey ; studied at Buffalo, New York, for the bar ; Sheriff of Erie County, 1870 ; Mayor of Buffalo, 1881 ; Governor of New York State, 1883–85 ; President of the Republic, 1885–89 ; re-entered on Presidency March 4, 1893.

*Vice-President.*—Adlai Ewing Stevenson, of Illinois, born October 23, 1835, in Kentucky ; was admitted to the bar, 1857 ; Member of Congress, 1875–77, 1879–81, and 1883–85 ; Assistant Postmaster-General, 1885.

The President of the United States has an annual salary of 50,000 dollars, and the Vice-President 8,000 dollars.

Since the adoption of the Constitution the offices of President and Vice-President have been occupied as follows :—

PRESIDENTS OF THE UNITED STATES.

Name	From State	Term of Service	Born	Died
George Washington . . .	Virginia . . .	1789–1797	1732	1799
John Adams . . .	Massachusetts . . .	1797–1801	1735	1826
Thomas Jefferson . . .	Virginia . . .	1801–1809	1743	1826
James Madison . . .	Virginia . . .	1809–1817	1751	1836
James Monroe . . .	Virginia . . .	1817–1825	1759	1831
John Quincy Adams . . .	Massachusetts . . .	1825–1829	1767	1848
Andrew Jackson . . .	Tennessee . . .	1829–1837	1767	1845
Martin Van Buren . . .	New York . . .	1837–1841	1782	1862
William H. Harrison . . .	Ohio . . .	March–Apr. 1841	1773	1841
John Tyler . . .	Virginia . . .	1841–1845	1790	1862
James K. Polk . . .	Tennessee . . .	1845–1849	1795	1849
Zachary Taylor . . .	Louisiana . . .	1849–1850	1784	1850
Millard Fillmore . . .	New York . . .	1850–1853	1800	1874
Franklin Pierce . . .	New Hampshire . . .	1853–1857	1804	1869
James Buchanan . . .	Pennsylvania . . .	1857–1861	1791	1868
Abraham Lincoln . . .	Illinois . . .	1861–1865	1809	1865
Andrew Johnson . . .	Tennessee . . .	1865–1869	1808	1875
Ulysses S. Grant . . .	Illinois . . .	1869–1877	1822	1885
Rutherford B. Hayes . . .	Ohio . . .	1877–1881	1822	1893
James A. Garfield . . .	Ohio . . .	March–Sept. 1881	1831	1881
Chester A. Arthur . . .	New York . . .	1881–1885	1830	1886
Grover Cleveland . . .	New York . . .	1885–1889	1837	—
Benjamin Harrison . . .	Indiana . . .	1889–1893	1833	—
Grover Cleveland . . .	New York . . .	1893	1837	—

## VICE-PRESIDENTS OF THE UNITED STATES.

Name	From State	Term of Service	Born	Died
John Adams . . .	Massachusetts . .	1789-1797	1735	1826
Thomas Jefferson . . .	Virginia . . .	1797-1801	1743	1826
Aaron Burr . . .	New York . . .	1801-1805	1756	1836
George Clinton . . .	New York . . .	1805-1812	1739	1812
Elbridge Gerry . . .	Massachusetts . .	1813-1814	1744	1814
Daniel D. Tompkins . . .	New York . . .	1817-1825	1774	1825
John C. Calhoun . . .	South Carolina . .	1825-1832	1782	1850
Martin Van Buren . . .	New York . . .	1833-1837	1782	1862
Richard M. Johnson . . .	Kentucky . . .	1837-1841	1780	1850
John Tyler . . .	Virginia . . .	March-Apr. 1841	1790	1862
George M. Dallas . . .	Pennsylvania . . .	1845-1849	1792	1864
Millard Fillmore . . .	New York . . .	1849-1850	1800	1874
William R. King . . .	Alabama . . .	1853	1786	1853
John C. Breckinridge . . .	Kentucky . . .	1857-1861	1821	1875
Hannibal Hamlin . . .	Maine . . .	1861-1865	1809	1891
Andrew Johnson . . .	Tennessee . . .	March-Apr. 1865	1808	1875
Schuyler Colfax . . .	Indiana . . .	1869-1873	1823	1885
Henry Wilson . . .	Massachusetts . . .	1873-1875	1812	1875
William A. Wheeler . . .	New York . . .	1877-1881	1819	1887
Chester A. Arthur . . .	New York . . .	March-Sept. 1881	1830	1886
Thomas A. Hendricks . . .	Indiana . . .	Mar.-Nov. 25, 1885	1819	1885
Levi P. Morton . . .	New York . . .	1889-1893	—	—
Adlai E. Stevenson . . .	.....	1893	1835	—

By a law which came into force Jan. 19, 1886, in case of removal, death, resignation, or inability of both the President and Vice-President, the Secretary of State, and after him, in their order, other members of the Cabinet, shall act as President until the disability of the President is removed or a President shall be elected. On the death of a Vice-President the duties of the office fall to the President *pro tempore* of the Senate, who receives the salary of the Vice-President.

The administrative business of the nation is conducted by eight chief officers, or heads of departments, who form what is called the 'Cabinet.' They are chosen by the President, but must be approved of by the Senate. Each of them presides over a separate department, and has to act under the immediate authority of the President. The heads of departments are (Jan. 1893) :—

1. *Secretary of State*.—Walter Q. Gresham, of Indiana, born 1832 in Indiana; admitted to the bar, 1853; Member of Indiana Legislature, 1860; served in Federal army; U.S. Judge for Indiana, 1869; Postmaster-General, 1882; Secretary of the Treasury, 1884; U.S. Circuit Judge, 1884-93; present appointment, March 5, 1893.

2. *Secretary of the Treasury*.—John G. *Carlisle*, of Kentucky, born 1835 in Kentucky; admitted to the bar, 1858; Member of Kentucky House of Representatives, 1859, and of State Senate, 1866; Lieut.-Governor of Kentucky, 1871; Member of U.S. House of Representatives, 1878–90; Speaker, 1883–89; Senator, 1890. Present appointment, March 5, 1893.

3. *Secretary of War*.—Daniel S. *Lamont*, of New York, March 5, 1893.

4. *Secretary of the Navy*.—Hilary A. *Herbert*, of Alabama, born in S. Carolina; served in Confederate army; Member of Congress, 1877–93. Present appointment, March 5, 1893.

5. *Secretary of the Interior*.—Hoke *Smith*, of Georgia, March 5, 1893.

6. *Postmaster-General*.—Wilson S. *Bissell*, of New York, March 5, 1893.

7. *Attorney-General*.—Richard *Olney*, of Massachusetts, born in Massachusetts, 1835. Present appointment, March 5, 1893.

8. *Secretary of Agriculture*.—Julius S. *Morton*, of Nebraska, March 5, 1893.

Each of the above ministers has an annual salary of 8,000 dollars, and holds office during the pleasure of the President.

The whole legislative power is vested by the Constitution in a Congress, consisting of a Senate and House of Representatives. The Senate consists of two members from each State, chosen by the State Legislatures for six years. Senators must be not less than thirty years of age; must have been citizens of the United States for nine years; and be residents in the States for which they are chosen. Besides its legislative capacity, the Senate is entrusted with the power of ratifying or rejecting all treaties made by the President with foreign powers, a two-thirds majority of senators present being required for ratification. The Senate is also invested with the power of confirming or rejecting all appointments to office made by the President, and its members constitute a High Court of Impeachment. The judgment in the latter case extends only to removal from office and disqualification. The House of Representatives has the sole power of impeachment.

The House of Representatives is composed of members elected every second year by the vote of citizens who, according to the laws of their respective States, are qualified to vote. In general such voters are all male citizens over 21 years of age. Neither race nor colour affects the right of citizens. The franchise is not absolutely universal; residence for at least one year in most States (in Rhode Island and Kentucky two years, in Michigan and Maine three months) is necessary, in some States the payment of taxes,

in others registration. Untaxed Indians are excluded from the franchise, in most States convicts, in some States duellists and fraudulent voters; in Massachusetts voters are required to be able to read English. Wyoming admits women to the franchise on equal terms with men. The number of members to which each State is entitled is determined by the census taken every ten years. By the Apportionment Act consequent on the census of 1890, the number of representatives was 356, distributed as follows:—

Alabama . . . . .	9	Maine . . . . .	4	Ohio . . . . .	21
Arkansas . . . . .	6	Maryland . . . . .	6	Oregon . . . . .	2
California . . . . .	7	Massachusetts . . . . .	13	Pennsylvania . . . . .	30
Colorado . . . . .	2	Michigan . . . . .	12	Rhode Island . . . . .	2
Connecticut . . . . .	4	Minnesota . . . . .	7	South Carolina . . . . .	7
Delaware . . . . .	1	Mississippi . . . . .	7	South Dakota . . . . .	2
Florida . . . . .	2	Missouri . . . . .	15	Tennessee . . . . .	10
Georgia . . . . .	11	Montana . . . . .	1	Texas . . . . .	13
Idaho . . . . .	1	Nebraska . . . . .	6	Vermont . . . . .	2
Illinois . . . . .	22	Nevada . . . . .	1	Virginia . . . . .	10
Indiana . . . . .	13	New Hampshire . . . . .	2	Washington . . . . .	2
Iowa . . . . .	11	New Jersey . . . . .	8	West Virginia . . . . .	4
Kansas . . . . .	8	New York . . . . .	34	Wisconsin . . . . .	10
Kentucky . . . . .	11	North Carolina . . . . .	9	Wyoming . . . . .	1
Louisiana . . . . .	6	North Dakota . . . . .	1	Total . . . . .	356

On the basis of the last census there is one representative to every 173,900 inhabitants. The popular vote for President in 1892 was about 12,100,000, or somewhat under one in five of the entire population. In 1890 there were in the United States 16,940,311 males of voting age—21 years and over.

According to the terms of the Constitution, representatives must not be less than twenty-five years of age, must have been citizens of the United States for seven years, and be residents in the States from which they are chosen. In addition to the representatives from the States, the House admits a 'delegate' from each organised Territory, who has the right to speak on any subject and to make motions, but not to vote. The delegates are elected in the same manner as the representatives.

Each of the two Houses of Congress is made by the Constitution the 'judge of the elections, returns, and qualifications of its own members'; and each of the Houses may, with the concurrence of two-thirds, expel a member.

The Congress of the United States has the power to propose alterations in the Constitution, by the 5th article of the same. The article orders that the Congress, whenever two-thirds of both Houses shall deem it necessary, shall propose amendments to the Constitution, or, on the application of the Legislatures of two-thirds of all the States, shall call a convention for proposing the amendments, which in either case shall be valid to all intents and purposes as part of the Constitution when ratified by the Legislatures of three-fourths of the several States, or by conventions in three-fourths thereof, as the one or other mode of ratification may be proposed by Congress.

Under an Act of Congress approved Jan. 20, 1874, the salary of a senator, representative, or delegate in Congress is 5,000 dollars per annum, with travelling expenses calculated at the rate of 20 cents per mile, by the most direct route of usual travel, and similar return, once for each session of Congress. There is also an annual allowance of 125 dollars for stationery,

&c., for each member. The salary of the Speaker of the House of Representatives is, under the same Act of Congress, 8,000 dollars per annum.

No senator or representative can, during the time for which he is elected, be appointed to any *civil* office under authority of the United States which shall have been created or the emoluments of which shall have been increased during such time; and no person holding *any* office under the United States can be a member of either House during his continuance in office. No religious test is required as a qualification to any office or public trust under the United States.

The period usually termed 'a Congress' in legislative language, continues for two years; as, for example, from noon, March 4, 1893, until noon, March 4, 1895, at which latter time the term of the representatives to the 53rd Congress expires, and the term of the new House of Representatives commences.

The Federal Government has authority in matters of Federal taxation, treaties and other dealings with foreign powers, army, navy, and (to a certain extent) militia, commerce, foreign and inter State, postal service, coinage, weights and measures, and the trial and punishment of crime against the United States.

Slavery was abolished throughout the whole of the United States by the thirteenth Amendment of the Constitution, passed December 18, 1865. The vast change in the political and social organisation of the Republic made by this new fundamental law was completed by the fourteenth and fifteenth Amendments of the Constitution, passed in 1868 and 1870, which gave to the former slaves all the rights and privileges of citizenship.

#### STATE AND LOCAL GOVERNMENT.

The Union comprises 13 original States, 7 States which were admitted without having been organised as Territories dependent on the Union, and 24 States which had been Territories. Each State has its own constitution, which must be republican in form, and each constitution derives its authority, not from Congress, but from the population of the State. In the case of the original States the colonial charters were adopted, with more or less modification, as State constitutions; the other States, before entering the Union, had constitutions already made. Admission of States into the Union is granted by special Acts of Congress, either (1) in the form of 'enabling Acts,' providing for the drafting and ratification of a State constitution by the people, in which case the Territory becomes a State as soon as the conditions are fulfilled, or (2) accepting a constitution already framed, and at once granting admission.

Each State is provided with a Legislature of two Houses, a Governor, and other executive officials, and a judicial system. Both Houses of the Legislature are elective, but the Senate is usually only partially renewed at each election, while (the electoral districts being larger) its members are chosen for a longer term, and are less numerous than the members of the House of Representatives. Members of both Houses are paid at the same rate, which varies from 150 to 1,500 dollars per session, or from 1 to 8 dollars per day during session. The duties of the two Houses are similar, but in many States money bills must be introduced first in the House of Representatives. The Senate has to sit as a court for the trial of officials impeached by the other House, and besides, has often the power to confirm or reject appointments made by the Governor. In most of the States the sessions are biennial, the Governor having power to summon in extraordinary session, but not to dis-

solve or adjourn. State Legislatures are competent to deal with all matters not reserved for the Federal Government by the Federal constitution, or falling within restrictions imposed by the State constitutions. Among their powers are the determination of the qualifications for the right of suffrage, and the control of all elections to public office, including elections of members of Congress and elections of President and Vice-President; the criminal law, both in its enactment and in its execution, with unimportant exceptions, and the administration of prisons; the civil law, including all matters pertaining to the possession and transfer of, and succession to, property; marriage and divorce, and all other civil relations; the chartering and control of all manufacturing, trading, transportation, and other corporations, subject only to the right of Congress to regulate commerce passing from one State to another; the regulation of labour; education; charities; licensing, including regulation of the liquor traffic; fisheries, and game laws. The State Legislatures are much concerned with local and special measures, such as the incorporation and regulation of cities or of water, railway or other companies; and this work is done largely through committees usually chosen by the President of the Senate and the Speaker of the House of Representatives. In all but four of the States the Governor has a veto, which may however be overridden by a two-thirds majority. In most of the States there is a tendency to limit the powers of the Legislature by direct enactments of the people embodied in the constitution.

The Governor is chosen by direct vote of the people over the whole State. His term of office varies from one year (in 2 States), to 4 years (in 19 States), and his salary from 1,000 to 10,000 dollars. His duty is to see to the faithful administration of the law, and he has command of the military forces of the State. His power of appointment to State offices is usually unimportant. He may recommend measures, but does not present bills to the legislature. In some States he presents estimates. In many States an important function is the exercise of his veto.

The officials by whom the administration of State affairs is carried on (secretaries, treasurers, members of boards of commissioners, &c.), are usually chosen by the people at the General State elections for terms similar to those for which governors hold office, the party in power appointing its own adherents.

In 4 of the 6 Territories there are local legislatures, the form of which has been prescribed by the Federal Government. These bodies have powers similar to those of the States, but any of their acts may be modified or annulled by Federal statutes. The Governor of each of the Territories is appointed for 4 years by the Federal President to whom he makes an annual report. The President appoints also the Territorial secretaries and other officials, together with the Territorial judges.

Alaska and Indian Territory have no power of self-government. Alaska is governed like a British crown colony, by a Governor who is not assisted by a legislature.

In Indian Territory the native tribes are under the direct control of the Department of the Interior, but the civilised tribes, with the support of the national Government, maintain local governments of their own with elective legislatures and executive officers, whose functions are strictly limited to the persons and personal property of their own citizens (Indians).

The District of Columbia is the seat of the United States Government, provided by the State of Maryland for the purposes of government in 1791. It is co-extensive with the city of Washington, and embraces an area of 60 square miles. The district has no municipal legislative body, and its citizens have no right to vote either in national or municipal concerns. By an



Act of Congress of 1878, its municipal government is administered by three commissioners, appointed by the President.

The unit of local government in the North, especially in the New England States, is the rural township, governed directly by the voters who assemble annually or oftener if necessary, and legislate in local affairs, levy taxes, make appropriations, and appoint and instruct the local officials (select men, clerk, school-committee, &c.). Where cities exist the township government is superseded by the city government. Townships are grouped to form counties, each with its commissioners and other paid officials who have charge of public buildings, lay out highways, grant licences, and estimate and apportion the taxation necessary for county purposes. In the South the counties are themselves the units, though subdivided for educational or other special purposes. Their officials have in general additional functions, as the care of the poor and the superintendence of schools. In the Middle and North-Western States the two systems of local government are mixed. In the West all the public land is already divided into townships six miles square.

### Area and Population.

#### I. PROGRESS AND PRESENT CONDITION.

The following table gives the total white and coloured population of the United States, at each of the eleven censuses from 1790 to 1890 :—

Year	White	Free Coloured	Slave	Total	Increase per cent. per ann.
1790	3,172,006	59,527	697,681	3,929,214	—
1800	4,306,446	108,435	893,602	5,308,483	3·51
1810	5,862,073	186,446	1,191,362	7,239,881	3·64
1820	7,862,166	233,634	1,538,022	9,633,822	3·31
1830	10,537,378	319,599	2,009,043	12,866,020	3·36
1840	14,195,805	386,293	2,487,355	17,069,453	3·27
1850	19,553,068	434,495	3,204,313	23,191,876	3·59
1860	26,922,537	488,070	3,953,760	31,443,321	3·56
1870	33,589,377	4,880,009	—	38,558,371	2·26
1880	43,402,970	6,580,793	—	50,155,783	3·01
1890	54,983,890	7,470,040	—	62,622,250	2·49

There are also included in the total for 1860, 34,933 Chinese and 44,021 Indians ; for 1870, 63,199 Chinese, 55 Japanese and 25,731 Indians ; for 1880, 105,465 Chinese, 148 Japanese, and 66,407 Indians ; for 1890, 107,475 Chinese, 2,039 Japanese, and 58,806 Indians.

The following table shows the population at the censuses of 1880 and 1890, and the area and population per square mile in 1890 of the States and Territories arranged by geographical divisions. The dates indicate the year in which the constitution was ratified by each of the thirteen original States and the year of the admission of each of the other States into the Union :—

States and Territories	Land Area: English sq. miles, 1890	Population in 1880	Population in 1890	Pop. per sq. mile, 1890
<i>North Atlantic Division:</i>				
Maine (1820)	29,895	648,936	661,086	22.1
New Hampshire (1788)	9,005	346,991	376,530	41.8
Vermont (1791)	9,135	332,200	332,422	36.4
Massachusetts (1788)	8,040	1,783,085	2,238,943	278.5
Rhode Island (1790)	1,085	276,531	345,506	318.4
Connecticut (1788)	4,845	622,700	746,258	154.0
New York (1788)	47,620	5,082,871	5,997,853	126.0
New Jersey (1787)	7,455	1,131,116	1,444,933	193.8
Pennsylvania (1787)	44,985	4,282,891	5,258,014	116.9
Total	162,065	14,507,407	17,401,545	107.4
<i>South Atlantic Division:</i>				
Delaware (1787)	1,960	146,608	168,493	86.0
Maryland (1788)	9,860	934,943	1,042,390	105.7
D. of Columbia (1791)	60	177,624	230,392	3839.9
Virginia (1788)	40,125	1,512,565	1,655,980	41.3
West Virginia (1863)	24,645	618,457	762,794	31.0
North Carolina (1789)	48,580	1,399,750	1,617,947	33.3
South Carolina (1788)	30,170	995,577	1,151,149	38.2
Georgia (1788)	58,980	1,542,180	1,837,353	31.2
Florida (1845)	54,240	269,493	391,422	7.2
Total	268,620	7,597,197	8,857,920	33.0
<i>North Central Division:</i>				
Ohio (1802)	40,760	3,198,062	3,672,316	90.1
Indiana (1816)	35,910	1,978,301	2,192,404	61.1
Illinois (1818)	56,000	3,077,871	3,826,351	68.3
Michigan (1837)	57,430	1,636,937	2,093,889	36.5
Wisconsin (1848)	54,450	1,315,497	1,686,880	31.0
Minnesota (1858)	79,205	780,773	1,301,826	16.4
Iowa (1845)	55,475	1,624,615	1,911,896	34.5
Missouri (1821)	68,735	2,168,380	2,679,184	39.0
North Dakota (1889)	70,195	36,909	182,719	2.6
South Dakota (1889)	76,850	98,268	328,808	4.3
Nebraska (1867)	76,840	452,402	1,058,910	13.8
Kansas (1861)	81,700	996,096	1,427,096	17.5
Total	753,550	17,364,111	22,362,279	29.7
<i>South Central Division:</i>				
Kentucky (1792)	40,000	1,648,690	1,858,635	46.5
Tennessee (1796)	41,750	1,542,359	1,767,518	42.3
Alabama (1819)	51,540	1,262,505	1,513,017	29.4
Mississippi (1817)	46,340	1,131,597	1,289,600	27.8
Louisiana (1812)	45,420	939,946	1,118,587	24.6
Texas (1845)	262,290	1,591,749	2,235,523	8.5
Oklahoma (Ter.) (1890)	38,830	—	61,834	1.6
Arkansas (1836)	53,045	802,525	1,128,179	21.3
Total	579,215	8,919,371	10,972,893	18.9

States and Territories	Land Area : English sq. miles, 1890	Population in 1880	Population in 1890	Pop. per sq. mile, 1890
<i>Western Division :</i>				
Montana (1889) . . .	145,310	39,159	132,159	0·9
Wyoming (1890) . . .	97,575	20,789	60,705	0·6
Colorado (1875) . . .	103,645	194,327	412,198	4·0
New Mexico (Ter.) (1850)	122,460	119,565	153,593	1·3
Arizona (Ter.) (1863) . .	112,920	40,440	59,620	0·5
Utah (Ter.) (1850) . . .	82,190	143,963	207,905	2·5
Nevada (1864) . . . . .	109,740	62,266	45,761	0·4
Idaho (1890) . . . . .	84,290	32,610	84,385	1·0
Washington (1889) . . .	66,880	75,116	349,390	5·2
Oregon (1859) . . . . .	94,560	174,768	313,767	3·3
California 1850 . . . . .	155,980	864,694	1,208,130	7·8
Total . . . . .	1,175,550	1,767,697	3,027,613	2·6
Totals . . . . .	2,939,000	50,155,783	62,622,250	21·3
Indian Territory (1854) . .	31,000			
Alaska (Ter.) (1868) . . .	531,000			
Grand Totals . . . . .	3,501,000			

In addition to the general enumeration of population for the organised States and Territories in 1880 and 1890, there were returned for Alaska 33,426 persons in 1880, and 32,052 persons in 1890 : while for the Indian territory and Indian reservations there were returned in 1890 a total of 325,464 persons, subdivided as follows :—

Indian Territory :		Indian Reservations :	
Indians . . . . .	51,279	Indians . . . . .	138,168
Whites . . . . .	110,254	Whites, employés, and others . . .	7,114
Persons of negro descent, &c. . .	18,649		
Total for Indian Territory . . .	180,182	Total on Indian Reservations, &c.	145,282
		Grand Total . . . . .	325,464

In 1880 no return of population was made for Indian Territory and Indian Reservations.

As regards sex, the total population of the States and Territories at the census of 1890 comprised 32,067,880 males, and 30,554,370 females.

At the first census of the Union, in 1790, there existed only 13 States and 4 Territories, the largest of the States, as then constituted, being Virginia, with a population of 747,610. In 1800 there were 16 States and 4 Territories, Virginia having then a population of 880,200. In 1810 the same State, with a population of 974,600, took the lead of 17 States and 7 Territories. In 1820 there were 23 States and 3 Territories, New York standing first with a population of 1,372,111. In 1830 there were 24 States and 3 Territories ; in 1840, 26 States and 3 Territories ; in 1850, 30 States and 5 Territories ; in 1860, 33 States and 8 Territories ; in 1870, 37 States and 9 Territories ; in 1880, 38 States and 8 Territories ; in 1890, 44 States and 4 Territories (including Oklahoma), neither Alaska, the District of Columbia nor the Indian Territory being included in these numbers.

Of a total population in 1880 of 36,761,607 over ten years of age, 17,392,099 were engaged in the various professional and industrial occupa-

tions, and of these 2,647,157 were females. These were distributed as follows :—

	Male	Female	Total
Agriculture . . . . .	7,075,983	594,510	7,670,493
Professional and personal services . . . . .	2,712,943	1,361,295	4,074,238
Trade and transportation . . . . .	1,750,892	59,364	1,810,256
Manufactures, mechanical and mining industries . . . . .	3,205,124	631,988	3,837,112

Of those engaged in agriculture, 4,225,945 were returned as farmers and planters, and 3,323,876 as agricultural labourers. Of the 'professional and personal' class, 1,859,223 were labourers, and 1,075,655 domestic servants, 67,081 Government officials, 85,671 physicians and surgeons, 64,698 clergymen, and 64,137 lawyers. Of those engaged in trade and transportation, over 480,000 (481,450) were 'traders and dealers.' Of the last class 234,228 are returned as miners; 114,539 as engaged in iron and steel works; 169,771 cotton-mill operatives; saw-mill operatives, 77,050; silk-mill operatives, 18,071; woollen-mill operatives, 88,010.

AREA OF INDIAN RESERVATIONS, POPULATION, AND BIRTHS AND DEATHS OF INDIANS IN EACH STATE AND TERRITORY OF THE UNITED STATES DURING THE YEAR ENDING JUNE 30, 1893:—

States and Territories	Area of Indian Reservations		Population on Reservations (Indians)	Vital (statistics defective)	
	Acres	Square Miles		Births	Deaths
Arizona . . . . .	6,400,037	10,000	35,277	284	214
California . . . . .	438,868	686	12,514	61	108
Colorado . . . . .	1,094,400	1,710	1,002	27	12
Florida . . . . .	—	—	450	4	4
Idaho . . . . .	2,088,091	3,263	4,185	76	94
Indian Territory . . . . .	19,879,573	31,062	71,856	33	31
Iowa . . . . .	2,900	4	389	16	20
Kansas . . . . .	73,796	115	1,102	51	32
Michigan . . . . .	19,799	31	7,428	—	—
Minnesota . . . . .	2,254,781	3,523	6,194	196	178
Montana . . . . .	9,382,400	14,660	10,722	309	305
Nebraska . . . . .	114,550	179	3,863	194	177
Nevada . . . . .	954,135	1,491	8,500	24	23
New Mexico . . . . .	9,495,645	14,837	9,882	52	51
New York . . . . .	87,677	137	5,160	108	95
North Carolina . . . . .	65,211	102	2,885	120	125
North Dakota . . . . .	3,812,833	5,958	7,877	271	260
Oklahoma . . . . .	7,231,747	11,300	12,676	507	737
Oregon . . . . .	1,929,105	3,014	4,523	78	104
South Dakota . . . . .	10,271,501	16,049	18,561	525	553
Texas . . . . .	—	—	290	—	—
Utah . . . . .	3,972,480	6,207	2,267	25	20
Washington . . . . .	4,046,564	6,323	9,924	243	270
Wisconsin . . . . .	446,521	698	9,887	294	256
Wyoming . . . . .	1,810,000	2,828	1,724	61	72
Miscellaneous . . . . .	—	—	728	—	—
Total, 1893 . . . . .	85,872,614	134,176	249,366	3,559	3,741
Total, 1880 . . . . .	154,741,349	241,800	253,327	3,430	2,729

In 1892 the United States spent 11,150,578 dollars on the Indians. There are 66 agencies throughout the States.

Of the population of the States and Territories in 1890, 53,372,703 (or 85·23 per cent.) were natives, and 9,249,547 (or 14·77 per cent.) foreign-born. In 1880 there were 43,475,840 natives and 6,679,943 foreign-born (13·32 per cent.). In 1870 the population was 14·44 per cent. foreign-born; in 1860, 13·16 per cent.; in 1850, 9·68 per cent.

The following table shows the origin of the foreign-born population at the census of 1890 :—

England <sup>1</sup> . . . . .	909,092	Bohemia . . . . .	118,106
Wales . . . . .	100,079	France . . . . .	113,174
Scotland . . . . .	242,231	China . . . . .	106,688
Ireland . . . . .	1,871,509	Switzerland . . . . .	104,069
		Holland . . . . .	81,828
Total United Kingdom	3,122,911	Mexico . . . . .	77,853
Germany . . . . .	2,784,894	Cuba and West Indies . . . . .	23,256
Canada and Newfoundland	980,938	Hungary . . . . .	62,435
Sweden . . . . .	478,041	Belgium . . . . .	22,639
Norway . . . . .	322,665	Portugal . . . . .	15,996
Russia . . . . .	182,644	Spain . . . . .	6,185
Italy . . . . .	182,580	South America . . . . .	5,006
Poland . . . . .	147,440	Other foreign countries . . . . .	54,385
Denmark . . . . .	132,543		
Austria . . . . .	123,271	Total . . . . .	9,249,547

<sup>1</sup> Includes Great Britain, not specified.

Thus of the foreign-born population 33·76 per cent. were from the United Kingdom (20·23 per cent. from Ireland, 10·91 per cent. from England and Wales, and 2·62 per cent. from Scotland) ; 30·11 per cent. were from Germany; 10·61 per cent. from Canada; 10·09 per cent. from Norway, Sweden, and Denmark; 1·22 per cent. from France; and 14·21 per cent. from other countries.

## II. MOVEMENT OF POPULATION.

There is no systematic registration of births, deaths, and marriages in the United States as a whole, so that it is not possible to ascertain the growth of population by the excess of births alone. The death-rate is comparatively low; in 1880 the death-rate among the whites was 14·74 per 1,000, and among coloured 17·28 per 1,000. The highest death-rate among whites was in New Mexico, 22·04 per 1,000, and the lowest in Arizona, 7·91 per 1,000; the highest among coloured in the District of Columbia, 35·25, and the lowest in Arizona, 1·89.

From 1775 to 1815 immigration into the United States was very small, on account of the American Revolution and the European wars, not over 3,000 or 4,000 a year arriving during this period. When peace between England and America was re-established, in 1815, immigration took a fresh start. Prior to 1820 no official record of arrivals was kept, but it is estimated that, from the foundation of the Government up to that year, about 250,000 alien passengers arrived, 98 per cent. of whom were immigrants. The total number of immigrants from 1820 to 1894 (June 30) was 17,383,765. The following statement, in which, from July 1, 1885, immigrants from Canada and Mexico are not included, shows the number arrived in the United States from the leading

foreign countries during the decade ending June 30, 1894, with the total number of immigrants in each year during that period:—

Year ending June 30	British Isles	Germany	Sweden, Norway, and Denmark	Austria-Hungary	Italy	Russia	France	Total Immigrants
1885	109,508	124,443	40,704	27,309	13,599	20,243	3,493	395,346
1886	112,548	84,403	46,735	28,680	21,315	21,739	3,318	334,203
1887	161,748	106,865	67,629	40,265	47,622	36,894	5,034	490,109
1888	182,203	109,717	81,924	45,811	51,075	39,313	6,454	546,889
1889	153,549	99,538	57,504	34,174	24,848	31,889	5,918	444,427
1890	122,754	92,427	50,368	56,199	51,799	33,147	6,585	455,302
1891	122,311	113,554	60,107	71,042	76,065	47,426	6,766	560,319
1892	117,514	130,758	68,302	80,136	62,137	79,294	6,521	623,084
1893	109,101	96,361	62,935	56,633	72,916	37,177	5,359	502,917
1894	71,639	59,329	32,913	37,504	43,959	37,572	3,645	311,404

Thus the total for the last ten years, including other countries besides those mentioned, was 4,664,000. Of the total immigrants in 1893, 187,072 were females.

The total number of Chinese immigrants between 1855 and 1885 was 274,399. The total number of Chinese reported in the census of 1880 was 105,465, in 1890, 107,475. By the law passed in 1882, Chinese immigration was prohibited.

The following table shows the comparative increase of the population during the last five decades by reproduction and by immigration:—

Year	Population	Decade total Increase	Decade Increase by Immigrants	Percentage of Decade Increase		
				Total	By Immigration	By Reproduction
1840	17,069,453	4,203,433	599,125	32·67	4·66	28·01
1850	23,191,876	6,122,423	1,713,251	35·87	10·04	25·83
1860	31,443,321	8,251,445	2,579,580	35·58	11·12	24·46
1870	38,558,371	7,115,050	2,278,425	22·63	7·25	15·38
1880	50,155,783	11,597,412	2,812,191	30·08	7·29	22·79
1890	62,622,250	12,466,467	5,246,613	24·86	10·46	14·40

### III. PRINCIPAL CITIES.

In 1880 there were 45, and in 1890, 74 cities with upwards of 40,000 inhabitants. Of the entire population in 1890, 18,284,385, or 29·20 per cent. (in 1880, 22·57 per cent.) lived in 448 towns (in 1880, 286 towns) of over 8,000 inhabitants. Of these towns, 283 had each from 8,000 to 20,000 inhabitants; 91 from 20,000 to 40,000; 35 from 40,000 to 75,000; 14 from 75,000 to 125,000; 14 from 125,000 to 250,000; 7 from 250,000 to 500,000; 1 from 500,000 to 1,000,000; and 3 over 1,000,000.

The following table shows the fifty principal cities of the United States, giving the population in 1880 and 1890:—

Cities	Population		Cities	Population	
	1880	1890		1880	1890
New York . . .	1,206,299	1,515,301	Denver . . .	35,629	106,713
Chicago . . .	503,185	1,099,850	Indianapolis . . .	75,056	105,436
Philadelphia . . .	847,170	1,046,964	Allegheny . . .	78,682	105,287
Brooklyn . . .	566,663	806,343	Albany . . .	90,758	94,923
Saint Louis . . .	350,518	451,770	Columbus . . .	51,647	88,150
Boston . . .	362,839	448,477	Syracuse . . .	51,792	88,143
Baltimore . . .	332,313	434,439	Worcester . . .	58,291	84,655
San Francisco . . .	233,959	298,997	Toledo . . .	50,137	81,434
Cincinnati . . .	255,139	296,908	Richmond . . .	63,600	81,388
Cleveland . . .	160,146	261,353	New Haven . . .	62,882	81,298
Buffalo . . .	155,134	255,664	Paterson . . .	51,031	78,347
New Orleans . . .	216,090	242,039	Lowell . . .	59,475	77,696
Pittsburg . . .	156,389	238,617	Nashville . . .	43,350	76,168
Washington . . .	177,624	230,392	Scranton . . .	45,850	75,215
Detroit . . .	116,340	205,876	Fall River . . .	48,961	74,398
Milwaukee . . .	115,587	204,468	Cambridge . . .	52,669	70,028
Newark . . .	136,508	181,830	Atlanta . . .	37,409	65,533
Minneapolis . . .	46,887	164,738	Memphis . . .	33,592	64,495
Jersey City . . .	120,722	163,003	Wilmington . . .	42,478	61,431
Louisville . . .	123,758	161,129	Dayton . . .	38,678	61,220
Omaha . . .	30,518	140,452	Troy . . .	56,747	60,956
Rochester . . .	89,366	133,896	Grand Rapids . . .	32,016	60,278
Saint Paul . . .	41,473	133,156	Reading . . .	43,278	58,661
Kansas City . . .	55,785	132,716	Camden . . .	41,659	58,313
Providence . . .	104,857	132,146	Trenton . . .	29,910	57,458

### Religion.

The Constitution of the United States guarantees the free exercise of religious profession and worship, and this guaranty is repeated in the Constitutions of the forty-four States. Nearly all the sects and religious denominations existing in Europe are represented in the United States. At the census of 1880 there were 86,132 Protestant and 5,975 Roman Catholic churches: 70,864 Protestant ministers, and 6,366 Roman Catholic clergy. The Protestants returned 8,975,260 'members,' or communicants; adding to this an estimate of the families of members, and of adherents, the total attached to Protestantism would probably be about 30,000,000. In 1870 there were in all 63,082 churches, of which 3,806 were Roman Catholic; and in the same year the number of 'sittings' returned was 21,665,062, of which 1,990,514 were in Roman Catholic churches. There were in all 45 separate religious bodies returned in 1880.

In 1890 the membership of the most important bodies, as

compiled from the census reports was as follows:—Roman Catholics, 6,257,871; Methodists of various sects, 4,589,284; Baptists of various sects, 3,712,468; Presbyterians, 1,278,332; Lutherans, 1,231,072; Congregational, 512,771; Episcopal, 540,509; Reformed Church (German and Dutch), 309,458; Friends, 107,208; Mormons, 166,125; Jews, 130,496; Disciples of Christ, 641,051; Christians, 103,722; Evangelical Association, 133,313; German Evangelical Synod, 187,432; United Brethren, 225,281; all others, 486,413; total number, communicants or members, 20,612,806.

### Instruction.

Each State of the Union has a system of free public schools established by law. The work of these is largely supplemented by private and parochial schools. Nevertheless, owing partly to the former existence of slavery, and partly to the constant influx of numbers of uneducated immigrants, there exists a large mass still totally ignorant of the first elements of education. According to the census of 1880, in the whole country, out of a total population above ten years of age of 36,761,607, 4,923,451 (13·4 per cent.) were returned as unable to read, and 6,239,958 (17 per cent.) as unable to write.

The figures of the eleventh census taken in 1890, show that the rate of illiteracy was reduced during the decade to 13·3 per cent. of the entire population ten years of age and over. The following table gives the total population of the United States, the number and per cent. of each element going to make up this population, the population of each ten years of age and over, the number and per cent. of illiterates to each:—

—	Total Population	Per cent. of total population	Population 10 years of age and over		
			Total	Illiterates	
				Number	Per cent.
Native Whites	45,862,023	73·2	33,144,187	2,065,003	6·2
Foreign Whites	9,121,867	14·6	8,786,887	1,147,571	13·1
Coloured	7,638,360	12·2	5,482,485	3,112,128	56·8
Total	62,622,250	—	47,413,559	6,324,702	13·3

In 1892-93 there were enrolled in the public schools 13,510,719 pupils of ages varying from 4 to 21. Of this number 232,951 were receiving secondary instruction in graded high schools, in addition to whom there were probably nearly as many more studying secondary branches in ungraded or partially graded rural schools. The average number of school days was 136·7, and average daily attendance 8,855,717. The pupils enrolled in private and parochial elementary schools, not included in these numbers, were estimated at 1,300,000. The private secondary, pursuing higher studies, in 1892-93, numbered 1,434, with 6,261 teachers and 96,147 pupils. In 1892-93 the



number of colleges and universities, in many of which, however, the course of study is not advanced, was 451, with 10,247 teachers and 140,053 students.

The United States Government makes no direct appropriation of moneys for the support of the elementary public schools, but has set aside for that purpose in each of the newer States a certain portion of the public domain, two 'sections' (or square miles) in each township six miles square, the proceeds from the sale of which form the chief part of the permanent school funds of those States, the income alone being used for the support of the schools. This income is supplemented by State and local taxation, so that it constitutes about five per cent. of the total school revenue of all the States. In 1892-93 the amount expended on elementary public schools was 162,794,148 dollars. In 1892-93 the universities and colleges had an income of 5,099,859 dollars from productive funds, exclusive of State appropriations. These appropriations, which are the chief or sole means of support for State universities, amounted to 2,361,343 dollars, and the tuition fees to 5,466,810 dollars.

The following table refers to the public schools and colleges in 1892-93:—

State	PUBLIC SCHOOLS					UNIVERSITIES AND COLLEGES		
	PUPILS		Teachers	Average number of School days	Total expenditure (excluding debt paid)	Number of Institutions	Instructors	Students
	Enrolled	Average daily attendance						
<i>North Atlantic Division.</i>					Dollars.			
Maine . . . . .	136,868	90,393	7,686	123	1,393,833	3	50	668
New Hampshire . . . . .	61,703	42,889	3,125	130·2	866,777	1	50	458
Vermont . . . . .	65,314	45,057	4,351	138	738,058	2	55	499
Massachusetts . . . . .	391,745	290,801	11,233	173	9,663,907	9	553	5,789
Rhode Island . . . . .	53,695	35,969	1,520	188	1,150,929	1	58	549
Connecticut . . . . .	133,237	86,255	3,766	182·74	2,376,635	3	232	2,379
New York . . . . .	1,083,228	688,097	32,476	183·5	19,161,684	23	966	11,014
New Jersey . . . . .	249,588	151,273	4,868	190	3,834,103	5	140	1,802
Pennsylvania . . . . .	1,053,438	722,196	25,963	162	16,410,977	31	743	9,076
<i>South Atlantic Division.</i>								
Delaware . . . . .	33,174	22,693	840	160	275,000	1	13	90
Maryland . . . . .	199,402	108,611	4,209	184	2,247,111	10	201	2,184
District of Columbia . . . . .	39,764	30,067	895	175	853,808	4	294	2,164
Virginia . . . . .	348,471	194,143	7,932	120	1,798,158	8	137	1,759
West Virginia . . . . .	208,217	134,425	5,936	114·8	1,408,065	4	38	613
North Carolina . . . . .	356,958	214,779	7,031	62·6	790,320	11	164	2,300
South Carolina . . . . .	223,150	162,300	4,535	74·2	483,180	9	107	1,713
Georgia . . . . .	415,647	245,378	8,819	100	1,631,221	8	106	2,042
Florida . . . . .	95,197	62,238	2,678	105	549,130	4	43	572
<i>South Central Division.</i>								
Kentucky . . . . .	455,000	261,700	8,562	107	2,385,000	13	157	3,602
Tennessee . . . . .	463,461	330,978	8,812	86	1,647,799	23	424	6,159
Alabama . . . . .	361,615	182,467	6,608	73·5	890,000	7	69	1,283
Mississippi . . . . .	334,923	194,993	7,497	87	1,192,844	5	58	986
Louisiana . . . . .	155,470	107,370	3,244	105	992,000	9	213	3,100
Texas . . . . .	553,271	364,835	11,906	107·4	3,925,000	11	165	3,513
Arkansas . . . . .	264,576	147,766	6,314	73	1,169,692	5	46	1,111
Oklahoma . . . . .	26,339	15,811	472	90	71,755	1	6	121

State	PUBLIC SCHOOLS.					UNIVERSITIES AND COLLEGES.		
	PUPILS.		Teachers	Average number of School days.	Total expenditure (excluding debt paid.	Number of Institutions.	Instructors.	Students.
	Enrolled	Average daily attendance						
<i>North Central Division.</i>					Dollars.			
Ohio . . .	806,496	570,056	25,512	165·3	12,180,794	38	856	12,854
Indiana . . .	517,459	371,298	13,557	133	5,609,655	15	334	4,439
Illinois . . .	826,085	605,818	24,240	155·41	14,296,375	28	809	11,546
Michigan . . .	455,598	306,162	16,305	156	6,062,647	12	312	6,434
Wisconsin . . .	372,192	231,942	12,450	158·6	4,678,689	10	192	3,148
Minnesota . . .	300,333	173,786	8,940	155·2	4,692,891	12	278	3,531
Iowa . . .	513,614	324,217	28,301	156	7,551,433	24	446	7,594
Missouri . . .	612,455	437,693	13,936	119·3	5,705,110	29	534	7,576
North Dakota . . .	47,677	25,823	2,718	117	1,008,901	4	44	517
South Dakota . . .	81,611	50,600	4,707	100·7	1,380,727	6	85	1,130
Nebraska . . .	260,336	159,704	9,354	130	4,243,638	9	219	2,560
Kansas . . .	389,597	246,571	12,070	129·5	4,250,000	17	271	5,086
<i>Western Division.</i>								
Montana . . .	23,550	15,144	763	148	657,800	1	8	84
Wyoming . . .	9,933	6,360	424	139·4	194,662	1	14	108
Colorado . . .	77,089	48,211	2,895	170	1,981,635	4	152	1,095
New Mexico . . .	21,690	14,158	547	113·3	182,559	1	7	108
Arizona . . .	11,320	6,921	283	195	216,779	1	10	38
Utah . . .	55,471	37,239	1,014	153	1,313,319	1	17	368
Nevada . . .	7,514	5,192	277	154·4	210,689	1	17	186
Idaho . . .	22,510	17,137	650	86·4	232,278	1	6	135
Washington . . .	83,979	54,680	3,086	101·5	1,914,959	5	40	630
Oregon . . .	78,253	55,848	3,577	107	1,221,615	6	123	1,112
California . . .	232,501	157,673	6,136	160·2	5,709,687	14	385	4,228
North Atlantic Division . . .	3,228,816	2,152,930	94,988	169·7	55,596,903	78	2,847	32,234
South Atlantic Division . . .	1,919,980	1,174,634	42,875	105·71	10,035,993	59	1,103	13,437
South Central Division . . .	2,554,655	1,605,920	53,415	93·1	12,213,490	74	1,138	19,875
North Central Division . . .	5,183,453	3,503,670	172,090	146·36	71,660,910	204	4,380	66,415
Western Division . . .	623,815	418,563	19,652	141·1	13,835,982	36	779	8,092
UNITED STATES	13,510,719	8,855,717	383,020	136·72	163,343,278	451	10,247	140,053

Of the public school teachers in 1892-93, 122,056 were male, and 260,954 female. In 1892-93 the total number of universities and colleges was 451, of professors and instructors 10,247, and of students 140,053. Besides these 451 colleges for liberal arts, there were in the States (1893) the following:—

	Number of Schools	Teachers	Students
Theological Schools . . . .	142	862	7,836
Law Schools . . . . .	62	587	6,776
Medical {	Regular . . . . .	94	2,494
	Eclectic . . . . .	10	171
	Homœopathic . . . . .	16	390
Dental Schools . . . . .	29	513	2,852
Schools of Pharmacy . . . .	31	264	3,394
<sup>1</sup> Schools of Science, Agriculture, &c. . . . .	52	1,180	20,741
Normal Schools . . . . .	160	1,569	36,669
Business Colleges . . . . .	335	2,010	99,654
Female Colleges . . . . .	143	2,114	22,949

<sup>1</sup> These are separate and distinct Schools of Agriculture and the Mechanic Arts and Institutes of Technology not included in the 451 Colleges and Universities before mentioned.

In 1893 there were in special schools (for deaf mutes, blind, and feeble-minded) 19,138 pupils, and in reformatories, 23,011.

There were in 1893 275 Indian schools, with an average attendance of 16,303, costing the United States \$2,315,612.

The Bureau of Education, in a circular issued in 1893, gives statistics of 3,804 public libraries, each containing over 1,000 volumes, the total being 31,167,354 volumes. Of those libraries 2,630 contain between 1,000 and 5,000 volumes each ; 565 between 5,000 and 10,000 each ; 383 between 10,000 and 25,000 each ; 128 between 25,000 and 50,000 each ; 68 between 50,000 and 100,000 each ; 26 between 100,000 and 300,000 each ; 1 between 300,000 and 500,000 ; and 3 over 500,000 each. The increase in the number of libraries in six years, from 1885 to 1891, was 27·35 per cent., and the increase in the number of volumes, over 66 per cent. for the same time. The number of volumes in the libraries is 50 for every 100 of the population of the United States, an increase of 16 per cent. greater than the increase of population in six years.

In 1894 there were in the United States 1,853 daily newspapers, with a total circulation of 7,690,000 ; 14,077 weeklies, with a total circulation of 26,640,000 ; 2,501 monthlies, with a circulation of 11,740,000 ; and 871 other periodicals. The total number of periodicals was then 19,302 ; in 1880 the total number was 11,403.

### Justice and Crime.

Each State has its own judicial system, and the Federal Government also maintains a system of courts for the trial of persons accused of crime against the United States.

In the separate States the lowest courts are those held by Justices of the Peace, or, in towns and cities, by Police Judges. In the counties, courts of record are held, some by local county officers, others by District or Circuit Judges, who go from county to county. In these courts there are usually the grand and petty jury. The highest court in each State is the Supreme Court, or Court of Final Appeal, with a Chief Justice and Associate Judges. These judges are usually elected by the people, but sometimes appointed by the Governor, with or without the Senate or Council ; they usually hold office for terms of years, but sometimes practically for life or during good behaviour. Their salaries vary from 2,500 dollars to 7,500 dollars.

Of the Federal Courts the lowest are those of the districts, of which there

are about 60, each State forming one or more districts. These courts may try any case of crime against the United States not punishable with death. Above these are nine Circuit Courts, each with a Circuit Judge, with or without the local District Judge; but one or two District Judges may by themselves hold a Circuit Court. The Circuit Court Judges appoint commissioners, whose duty it is to arrest, examine, and commit persons accused of crime against the United States, and to assist the Circuit and District Judges in taking evidence for the trial of such persons. These duties may, however, be performed by a judge or magistrate of either a State or the Federal Government. Each of the nine Justices of the Supreme Court must hold a Court in one of the nine circuits at least once every two years, and with each may be associated the Circuit or District Judge. The Supreme Court consists of a Chief Justice and eight Associate Judges, appointed by the President with the consent of the Senate. It deals with appeals from inferior courts, and has original jurisdiction in cases affecting foreign ministers and consuls, and those in which a State is a party. The Chief Justice has a salary of 10,500 dollars, and each of the Associate Judges 10,000 dollars.

Other courts with criminal jurisdiction are the Court of the District of Columbia and those of the Territories.

In 1890 there were 82,329 prisoners in the United States, of whom 75,924 were men and 6,405 women. Of the total, 57,310 were white and 25,019 coloured. Of the white, 40,471 were native, and 15,932 were foreign-born. Of the coloured, 24,277 were negroes, 407 Chinese, 322 Indians, and 13 Japanese. In 1890 there were 14,846 inmates of juvenile reformatories.

In 1880 there were 35,538 convicts in penitentiaries; in 1890, 45,233. Of the total in 1890, 30,546 were white and 14,687 coloured; of the total white, 12,842 were born of native parents, 8,331 of (one or both) foreign parents, and 7,267 were foreign born. Of the total, 1,791 were women. In 1880, there were 11,468 inmates of juvenile reformatories; in 1890, 14,846.

### Pauperism.

Although there are poor-laws in the States the statistics of pauperism, except for indoor paupers, are not recorded. The total number of indoor paupers in 1880 was 66,203; in 1890 the number was 73,045, of whom 40,741 were males and 32,304 females. Of the total in 1890, 66,578 were white, and 6,467 coloured; of the white, 36,656 were native, and 27,648 were foreign-born. Of the coloured 6,418 were negroes, 36 Indians, and 13 Chinese. The number of out-door paupers reported in 1890 was 24,220—probably far below the truth. The expense of the alms-houses is given at 2,409,445 dollars.

### Finance.

#### I. FEDERAL.

The following table exhibits the total net revenue and the total ordinary expenditure of the United States in each of the ten fiscal years, ended June 30, from 1885 to 1894:—

Revenue		Expenditure		Revenue		Expenditure	
Year ending June 30	Dollars	Dollars	Dollars	Year ending June 30	Dollars	Dollars	Dollars
1885	323,690,706	260,226,935	1890	403,080,982	297,736,486		
1886	336,439,727	242,483,138	1891	392,612,447	355,372,685		
1887	371,403,277	267,932,180	1892	354,937,784	345,023,331		
1888	379,266,074	259,653,958	1893	385,819,629	383,477,955		
1889	387,050,058	281,996,615	1894	297,722,019	367,525,280		



<i>Revenue</i>	1895	<i>Expenditure</i>	1895
	Dollars		Dollars
Customs . . .	160,000,000	Civil expenses . . .	91,250,000
Internal revenue . . .	165,000,000	Indians . . .	11,500,000
Miscellaneous . . .	15,000,000	Pensions . . .	140,500,000
Postal service . . .	84,427,748	Military Estab. . .	53,250,000
		Naval Estab. . .	32,500,000
		Interest on debt . . .	31,000,000
		Postal Service . . .	84,427,748
Total ordinary receipts . . .	424,427,748	Total ordinary expenditure . . .	444,427,748

The receipts for 1894-95 are partly actual and partly estimated, and show an expected deficit of 20,000,000 dollars. For 1895-96 the estimated revenue is 476,907,407, and the expenditure 448,092,486 dollars, giving an estimated surplus of 28,814,920 dollars.

The surpluses are all available for reducing the public debt. In addition to the ordinary resources in 1894, the cash in the Treasury was increased by 58,633,296 dollars from the sale of 5 per cent. ten-year bonds, 5,708,247 dollars from national bank fund deposited in excess of notes redeemed, and 4,790 dollars from issue of 4 per cent. bonds: total, 64,346,333 dollars. The securities redeemed during the year amounted to 221,587 dollars.

The following table shows the total amount of the national debt on the 1st of July at various periods from 1860 :—

Year	Capital of Debt	Year	Capital of Debt
	Dollars		Dollars
1860	64,842,287	1890	1,552,140,205
1866	2,773,236,173	1891	1,545,996,592
1877	2,205,301,392	1892	1,588,464,145
1880	2,120,415,370	1893	1,545,985,686
1884	1,830,528,923	1894	1,632,253,637

The net debt—that is, what remains after deducting the cash in the Treasury—was 899,313,381 dollars on June 30, 1894. The bulk of the debt of the United States was originally contracted at 6 and 5 per cent., but less than five hundred and sixty millions of the interest-bearing debt is now at 4 per cent., and the rest at 2 and 5 per cent.

At the close of the census period 1890 the total assessed value of real and personal property taxed was 25,473,173,418 dollars, of which amount 18,956,556,675 dollars represented real estate and improvements thereon, and 6,516,616,743 dollars personal property. The corresponding total for 1880 was 17,139,903,495 dollars.

The true valuation of property for 1890 is given as follows:—

	Dollars
Live stock on farms and ranges, farm implements and machinery . . . . .	39,544,544,333
Real estate, with improvements thereon . . . . .	2,703,015,040
Mines and quarries, including product on hand . . . . .	1,291,291,579
Gold and silver coin and bullion . . . . .	1,158,774,948
Machinery of mills and product on hand, raw and manufactured . . . . .	3,058,593,441
Railroads and equipments, including 283,898,519 dol- lars street railroads . . . . .	8,685,407,323
Telegraphs, telephones, shipping, and canals . . . . .	701,755,712
Miscellaneous . . . . .	7,893,708,821
<b>Total . . . . .</b>	<b>65,037,091,197</b>

The estimated true value in 1880 was 43,642,000,000 dollars.

## II. STATE FINANCE.

The revenues required for the administration of the separate States are derived from direct taxation, chiefly in the form of a tax on property real and personal; and the greater part of such revenue is collected and expended by the local authorities, county, township, or school district.

According to census returns of 1890 the total assessed value of property taxed was 25,473,173,418 dollars, and the *ad valorem* taxation in 1890 amounted to 470,651,927 dollars, as follows:—

	Dollars
For General Purposes :	
State . . . . .	48,556,597
County . . . . .	94,629,410
Minor divisions . . . . .	202,297,786
For Schools :	
State . . . . .	22,079,350
Counties and minor divisions . . . . .	103,088,784
<b>Total . . . . .</b>	<b>470,651,927</b>

The total State, county, municipal and school district indebtedness, less the sinking fund in each case, in 1880 and 1890, were:—

State or Territory	State Debt	County Debt	Municipal Debt	School District Debt	Total Debt	Debt per head of pop.
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1880 . . . . .	297,244,094	124,105,027	684,348,843	17,580,682	1,123,278,646	22.40
1890 . . . . .	228,997,385	145,198,955	724,453,583	36,701,948	1,135,351,871	18.13

The annual interest charge on the State and local bonded debt combined was, in 1890, 65,541,776 dollars; in 1880 it was 68,935,807 dollars.

## Defence.

## I. A R M Y.

By the eighth section of the first article of the Constitution of the United States, Congress is empowered in general 'to raise and support armies;' and by the second section of the second article, the President is appointed commander-in-chief of the army and navy, and of the militia when called into the service of the United States. On August 7, 1789, Congress established a Department of War as the instrument of the President in carrying out the provisions of the Constitution for military affairs.

By Acts of Congress approved July 28, 1866, March 3, 1869, and July 15, 1870, the number of land forces constituting the standing army of the United States was strictly limited. It was subsequently enacted that from the year 1875 there shall be no more than 25,000 enlisted men at any one time, exclusive of the signal corps, the authorised strength of which is 50 enlisted men, the hospital corps, the strength of which is 786 enlisted men, and of 125 general service clerks and 45 general service messengers. The actual commissioned and enlisted strength of the army varies very little from that authorised, and is organised as follows:—

	Officers	Men
General and General Staff . . . . .	392	—
Ordnance Department . . . . .	58	485
Engineer Department . . . . .	121	500
10 Regiments of Cavalry . . . . .	432	6,050
5 Regiments of Artillery . . . . .	280	3,675
25 Regiments of Infantry . . . . .	877	12,125
Non-commissioned staff, enlisted men not attached to } regiments, Indian scouts, &c.	—	2,165
Total . . . . .	2,160	25,000

Of the officers of the regular army there are 19 general officers, 71 colonels, 91 lieutenant colonels, 221 majors, 612 captains.

The 9th and 10th regiments of cavalry, and 24th and 25th regiments of infantry, are composed of negro soldiers, but with white officers.

Besides the regular army each State is supposed to have a militia in which all men from 18 to 44 (inclusive) capable of bearing arms ought to be enrolled, but in several States the organisation is imperfect. The organised militia numbers 9,278 officers and 102,912 men. The number of citizens who in case of war might be enrolled in the militia is upwards of 8½ millions. In 1890 the males of all classes of the militia age numbered 13,230,168. Of these, 10,424,086 were native born, and 2,806,082 foreign born; 11,803,964 were white, and 1,426,204 coloured; 9,086,066 were native white.

The territory of the United States is divided for military purposes into eight departments, named respectively the Department of the East, of the Missouri, of Texas, of California, of Dakota, of the Platte, of the Colorado, of the Columbia. The United States has a military academy at West Point.



## II. NAVY.

The control of naval affairs is vested in the Secretary of the Navy, a Cabinet officer, appointed by the President, with the approval of the Senate. The Assistant-Secretary, a civilian, also appointed by the President with the approval of the Senate, the chiefs of eight administrative bureaux, the Commandant of the Marine Corps, and the Judge-Advocate-General, are directly responsible to the Secretary. The administrative bureaux are: yards and docks, equipment, navigation, ordnance, construction and repair, steam engineering, supplies and accounts, and medicine and surgery.

The Government constructive and repairing establishments are at Portsmouth, N.H.; Boston, Mass.; Brooklyn, N.Y.; League Island, Pennsylvania; Washington, D.C.; Norfolk, Virginia; Pensacola, Florida; and Mare Island, California; and the naval stations are at New London, Connecticut; Port Royal, S.C.; Key West, Florida; and Puget Sound, Washington.

All warships, under the requirements of law, are built within the country and of home material.

It is proposed to lay down two battleships and some torpedo boats in 1895.

The personnel provided for is as follows:—

Officers—Military branch, including 6 rear admirals and 10 commodores . . . . .	722
Civil branch . . . . .	516
Warrant officers and cadets . . . . .	243
Petty officers and enlisted men . . . . .	8,250
Apprentices . . . . .	750
Marines—Officers . . . . .	75
Non-commissioned officers, privates and musicians	2,100
Total . . . . .	<u>12,656</u>

The following statement of the strength of the United States navy has been formed according to the system of classification adopted for purposes of comparison throughout this book, which is fully explained in the Introductory Table. Training ships and non-effective vessels are not included:—

Battleships, 1st class . . . . .	6	}	6
" 2nd and 3rd classes . . . . .	<i>nil</i>		
Port defence ships . . . . .			18
Cruisers, 1st class <i>a</i> . . . . .	5	}	7
" " <i>b</i> . . . . .	2		
" 2nd class . . . . .			13
" 3rd class <i>a</i> . . . . .	7	}	21
" " <i>b</i> . . . . .	14		
Torpedo-craft, 1st class . . . . .	2	}	3
" 3rd class . . . . .	1		
			<u>68</u>

A table follows of the United States armour-clad fleet and of first and second-class cruisers. All the battle-ships are of the first class according to the system of classification here adopted. Only the recent port defence vessels are given (names in italics), there being in addition 13 monitors (1,880 and 2,100 tons), built 1863–65, and carrying severally 2 15-inch 19-ton guns. In the cruiser list those named in italics are armoured, the others being either wholly or partially deck-protected. The first-class cruisers are divided into

the *a* and *b* categories, these letters being given in the first column. The *a* ships are of more than 5,000 tons and exceed 15 knots in sea speed; the two first-class cruisers *b*, though known as port defence vessels, are admitted as first-class cruisers because of their better speed and sea-going qualities. Abbreviations: *t* turret; Q.F., quick-firing. In the armament column, light and machine guns are not given.

Description	Name	Launched	Displacement, Tons	Extreme Armouring, Inches	Armament	Torpedo Ejectors	Indicated horse-power	Nominal Speed, knot
	Battleships:							
<i>t.</i>	Maine . . . . .	90	6,648	12	4 10in.; 6 6in.; 8 6 pr. Q.F.	7	9,000	17·0
<i>t.</i>	Texas . . . . .	92	6,300	12	2 12in.; 6 6in.; 12 6 pr. Q.F.	4	8,000	17·0
<i>t.</i>	Oregon . . . . .	92	10,200	17	} 4 13 in.; 8 8 in.; 4 6in.; 20 { 6 pr. Q.F. . . . .	7	9,000	15·0
<i>t.</i>	Massachusetts . . . . .	92	10,200	17		7	9,000	15·0
<i>t.</i>	Indiana . . . . .	93	10,200	17		7	9,000	15·0
<i>t.</i>	Iowa . . . . .		11,296	15		4 12in.; 8 8 in.; 6 4in.; 20 6 pr. Q.F. . . . .	7	11,000
	Port defence ships:							
<i>t.</i>	<i>Amphitrite</i> . . . . .	83	3,990	11½	4 10in.; 2 4in.; 2 6 pr. Q.F.	—	1,600	12·0
<i>t.</i>	<i>Miantonomoh</i> . . . . .	83	3,990	11½	} 4 10in.; 2 6 pr. Q.F. {	—	1,426	10·5
<i>t.</i>	<i>Terror</i> . . . . .	83	3,900	11½		—	1,600	12·0
<i>t.</i>	<i>Puritan</i> . . . . .	83	6,160	14	4 12in.; 6 4in.; 2 6 pr. Q.F.	—	3,700	12·4
<i>ram.</i>	<i>Katahdin</i> . . . . .	93	2,183	6	4 6 pr. Q.F. . . . .	—	4,800	17·0
	First-class cruiser:							
<i>a.</i>	<i>New York</i> . . . . .	91	8,150	10	6 8in.; 12 4in.; 12 smaller Q.F.	4	16,500	20·0
<i>a.</i>	<i>Olympia</i> . . . . .	92	5,500	—	4 8in.; 4 6in.; 10 5in.; 20 smaller Q.F. . . . .	6	13,500	20·0
<i>a.</i>	<i>Columbia</i> . . . . .	92	7,500	—	} 1 8in.; 2 6 in.; 8 4in.; 16 { smaller Q.F. . . . .	5	20,000	21·0
<i>a.</i>	<i>Minneapolis</i> . . . . .	93	7,500	—		5	20,000	21·0
<i>a.</i>	<i>Brooklyn</i> . . . . .		9,150	8	8 8in.; 12 5in.; 16 smaller Q.F.	5	16,500	20·0
<i>b.</i>	<i>Monadnock</i> . . . . .	83	3,900	11½	4 10in.; 2 4in.; 2 6 pr. Q.F.	—	3,000	14·5
<i>b.</i>	<i>Monterey</i> . . . . .	91	4,048	14	2 12in.; 2 10in.; 6 6 pr. Q.F.	—	5,400	16·0
	Second-class cruisers:							
	<i>Atlanta</i> . . . . .	84	3,189	} 2 8in.; 6 6in.; 6 6 pr. and { smaller Q.F. . . . .	—	4,030	15·6	
	<i>Boston</i> . . . . .	84	3,189		—	4,030	15·6	
	<i>Chicago</i> . . . . .	85	4,500		4 8in.; 8 6in.; 2 5 in.; 4 Q.F.	—	5,084	15·3
	<i>Baltimore</i> . . . . .	88	4,600		4 8in.; 6 6in.; 8 6 pr. and smaller Q.F. . . . .	5	10,064	19·6
	<i>Charleston</i> . . . . .	88	4,040	2 8in.; 6 6in.; 8 6 pr., and smaller Q.F. . . . .	4	6,666	18·2	
	<i>Newark</i> . . . . .	90	4,083	} 12 6in.; 4 6 pr. and 6 smaller { Q.F. . . . .	8	8,869	19·0	
	<i>Philadelphia</i> . . . . .	90	4,324		5	8,815	19·7	
	<i>San Francisco</i> . . . . .	90	4,083		6	10,400	20·2	
	<i>Cincinnati</i> . . . . .	92	3,183		} 1 6in.; 10 5in.; 8 6 pr.; 4 { smaller; all Q.F. . . . .	6	10,000	19·0
	<i>Raleigh</i> . . . . .	92	3,183	6		10,000	19·0	
	<i>Detroit</i> . . . . .	92	2,000	} 2 6in.; 8 5in.; 6 6 pr.; 2 { smaller; all Q.F. . . . .	6	5,400	17·0	
	<i>Montgomery</i> . . . . .	92	2,000		6	5,400	17·0	
	<i>Marblehead</i> . . . . .	93	2,000		6	5,400	17·0	

The battleships *Maine* and *Texas* are built upon plans differing slightly from each other. With the view of making their heavy gun-fire very powerful for their small displacement, the turrets are placed *en échelon*, so as to admit of the guns being trained fore and aft. In the *Maine* the four 10-inch guns are coupled in turrets inclosed in oval barbettes, and a narrow superstructure (which carries the secondary armament) running from end to end, is broken abeam of each turret, so as to give each a range of fire on its opposite beam. In the *Texas* the guns are mounted singly in two turrets, which are sheltered within an oblique redoubt, as in the *Italia* and other Italian ships. The *Oregon*, *Massachusetts*, and *Indiana* are practically identical.

They have a partial belt of 18-inch armour,  $7\frac{1}{2}$  feet wide, extending over 56 per cent. of the whole length. This belt rises 3 feet above the water-line, and extends  $4\frac{1}{2}$  feet below; it is capped by a fore and aft-armoured deck. At either end of the 18-inch belt are armoured redoubts 17 inches thick rising to  $3\frac{1}{2}$  feet above the protective deck; these redoubts protect the turning gear of the turrets and all the operations of loading. The tubes through which the ammunition is hoisted are also armoured. Above the belt, and extending from one redoubt to the other, the side is protected by 5 inches of armour. The main armament consists of four 13-inch 35-calibre guns mounted in pairs in two turrets, one forward, one aft, protected with 17-inch armour, placed on an incline, with a horizontal cover of 20-inch thickness; and eight 8-inch guns mounted in four turrets, formed of inclined armour from  $8\frac{1}{2}$  inches to 6 inches thick, and placed at the four corners of a deck on a level with the top of the larger turrets. The length at the water-line is 348 feet, beam 62 feet 3 inches, and draught 24 feet. The *Iowa*, which is in an earlier stage of construction, is of similar design. The United States battleships are to carry small torpedo boats on their decks.

Among the coast defence vessels the ram *Katahdin* deserves to be noted. She was designed by Admiral Ammen, and, beyond a small secondary battery, depends for offensive force upon her ability to ram a foe; to accomplish this purpose she can be submerged until only her turtle back, funnel, and ventilating shafts, all of which are armoured, remain above water. Her dimensions are 251 ft. by  $42\frac{1}{2}$  ft. beam, 15 ft. normal draught, and 2,183 tons displacement.

The *New York*, and the *Brooklyn*, which has been sanctioned, are the largest cruisers in the United States navy, both armoured and designed on the same lines. The dimensions of the former are: length 380 ft. 6 in., beam 65 ft., draught 23 ft. 3 in. She has a heavily armoured steel deck, in conjunction with light side plating, besides a cellulose belt. Two 8-inch guns are mounted forward and two aft in inclined turrets, and are on either beam slightly sponsoned out. The 4-inch guns are carried on the deck below, and so placed as to fire fore and aft.

Special interest attaches to the commerce destroyers *Columbia* and *Minneapolis* which, on their official trials over the course (88 nautical miles) off the coast of Massachusetts, made respectively an average speed of 22.81 and 23.07 knots per hour. The vessels are sister ships, and the following description of the *Columbia* will therefore serve for both. Her principal dimensions, &c., are: Length, 412 ft.; beam, 58 ft.; mean draught, 23 ft.; displacement, 7,500 tons; indicated horse power, 20,000, with a maximum of 23,000; coal supply, 750 tons; maximum coal stowage, 2,000. She has a double bottom, and a protective deck, which rises from  $4\frac{1}{2}$  feet below the water-line at the sides to 1 foot above amidships, except at the bow and stern, where it slopes down below the water-line. The protective deck is 4 inches thick on the slopes and  $2\frac{1}{2}$  inches thick elsewhere. There will be also a wall of patent fuel 5 feet thick opposite the boilers. The motive power consists of three sets of triple expansion vertical inverted direct-acting engines, each placed in a separate water-tight compartment. Each set of engines drives its own screw. One screw is placed amidships at the extreme stern just above the keel; other two are set one on each quarter considerably forward and outboard of the midship screw and  $4\frac{1}{2}$  feet above it. For long distance economical cruising the midship screw alone will be used, the other two being uncoupled; for medium speed the twin screws under each counter will be worked, the midship screw being uncoupled; for full speed all three screws will be driven at their highest power. Her nominal cruising radius is 26,240 miles.

## Production and Industry.

### I. AGRICULTURE.

The immense extent of land, forming part of the United States, as yet uninhabited and uncultivated, is held to be national property, at the disposal of Congress and the executive of the Republic. The public lands of the United States which are still undisposed of lie in 25 States and 6 Territories. The public lands are divided into two great classes. The one class have a dollar and a quarter an acre designated as the minimum price, and the other two dollars and a half an acre, the latter being the alternate sections, reserved by the United States in land grants to railroads, &c. Titles to these lands may be acquired by private entry or location under the homestead, pre-emption, and timber-culture laws; or, as to some classes, by purchase for cash. The homestead laws give the right to 160 acres of a-dollar-and-a-quarter lands, or to 80 acres of two-dollar-and-a-half lands, to any citizen or applicant for citizenship over twenty-one who will actually settle upon and cultivate the land. The title is perfected by the issue of a patent after five years of actual settlement. The only charges in the case of homestead entries are fees and commissions. Another large class of free entries of public lands is that provided for under the Timber-Culture Acts of 1873-78. The purpose of these laws is to promote the growth of forest trees on the public lands. They give the right to any settler who has cultivated for two years as much as five acres in trees to an 80-acre homestead, or, if ten acres, to a homestead of 160 acres, and a free patent for his land is given him at the end of three years instead of five. In November of 1893 there were (including Alaska) 1,815,424,388 acres of public lands in the States and Territories, of which 1,003,904,151 had been surveyed. Of the public lands in 1893, 369,529,600 acres were in Alaska unsurveyed. Upwards of 88 million acres of land are settled under the Homestead and Timber-Culture Acts. In 1893 there were 6,808,792 acres taken up under the Homestead Act, while 11,801,686 acres were disposed of for cash, under the Homestead Acts, under the Timber-Culture Acts, located with Agricultural College and other kinds of scrip, and located with Military Bounty-land warrants and selected by States and Railroads in the several States and Territories. It is provided by law that two sections, of 640 acres of land in each 'township,' are reserved for common schools, so that the spread of education may go together with colonisation.

The power of Congress over the public territory is exclusive and universal, except so far as restrained by stipulations in the original cessions.

At the census of 1880 there were 536,081,835 acres taken up in farms, being less than 30 per cent. of the total area, excluding Alaska and the Indian Territory; in 1870 the farm acreage was 407,735,041. Of this area 284,771,042 acres, or a little more than one-half, were returned as improved. The following table shows the number of farms of different sizes in 1870 and 1880:—

Acres		1870	1880
Under 3 acres . . . .		6,875	4,352
3 and under 10 . . . .	10	172,021	134,889
10 „ 20 . . . .	20	294,607	254,749
20 „ 50 . . . .	50	847,614	781,474
50 „ 100 . . . .	100	754,221	1,032,910
100 „ 500 . . . .	500	565,054	1,695,983
500 „ 1,000 . . . .	1,000	15,873	75,972
1,000 and over . . . .		3,720	28,578
Total . . . .		2,659,985	4,008,907

The total value of farms in 1880 was 2,039,419,355*l.*, and in 1870 1,852,560,772*l.*; but in the latter year gold was at a premium of 25 per cent. The total value of farm implements in 1880 was 81,304,011*l.*, and the total value of all agricultural produce was 442,680,513*l.*

The following are the returns of the crops of corn (maize), wheat and oats, for five years :—

Year	Acres	Bushels	Value
			Dollars
1889	146,606,000	3,354,967,000	1,112,191,544
1890	134,489,286	2,412,853,000	1,311,255,609
1891	141,703,273	3,410,328,000	1,582,224,206
1892	136,244,923	2,805,448,000	1,173,512,122
1893	133,938,916	2,654,483,000	992,373,100

The areas and produce of the principal cereal crops for three years are shown in the subjoined tables. Statistics regarding rye, barley, and buck-wheat are not now prepared.

	1891			1892			1893		
	1,000 Acres	1,000 Bushels	Bush. per Acre	1,000 Acres	1,000 Bushels	Bush. per Acre	1,000 Acres	1,000 Bushels	Bush. per Acre
Corn . . . .	76,205	2,060,154	27·0	70,627	1,628,464	23·1	72,036	1,619,496	22·5
Wheat . . . .	39,917	611,780	15·3	38,554	515,949	13·4	34,629	396,132	11·4
Oats . . . .	25,582	738,394	28·9	27,064	661,035	24·4	27,273	638,855	23·4
Total . . . .	141,704	3,410,328	—	136,245	2,805,448	—	133,938	2,654,483	—

The chief wheat-growing States (1892) were: Kansas (4,071,000 acres under wheat), Minnesota (3,553,000 acres), California (3,012,000 acres), North Dakota (2,869,000 acres), Ohio (2,796,000 acres), Indiana (2,713,000 acres), South Dakota (2,541,000 acres), Missouri, Illinois, Michigan, Pennsylvania, Nebraska, Kentucky.

Sugar is produced from cane chiefly in Louisiana and Texas, from beet in

California, from sorghum in Kansas, and from maple-sap in the North-Eastern States. In 1892 the area under cane was 213,841 acres; beet (1893), 17,314 acres; sorghum, 2,149 acres; while there were 2,317,143 maple trees tapped. The quantity of sugar produced (1891-92) was: Cane, 367,752 lbs.; beet, 12,004,838 lbs.; sorghum, 1,136,086 lbs.; maple (estimated), 33,000,000 lbs.; total, 413,893,230 lbs.

The total area under cotton in 1890 was 19,566,271 acres, and the crop consisted of 7,452,295 bales, weighing about 3,628,000,000 lbs. In 1891 the crop consisted of 8,652,597 bales, weighing 4,316,000,000 lbs., of the value of 366,863,738 dollars. The chief cotton-growing States (1890) were: Texas, 3,498,000 acres under cotton; Georgia, 3,346,000 acres; Mississippi, 2,882,000 acres; Alabama, 2,762,000 acres; South Carolina, 1,988,000 acres; Arkansas, 1,701,000 acres; Louisiana, 1,271,000 acres; North Carolina, 1,147,000 acres.

In 1893 702,952 acres were under tobacco; the crop weighed 483,023,963 lbs., and was valued at 39,155,442 dollars. The chief tobacco-growing States are Kentucky, Virginia, North Carolina, and Tennessee.

In 1892 there were, in all, 1,447,361 acres under flax, and 11,104,440 bushels of flax-seed were produced. In the same year 50,212 acres (mostly in New York State) were under hops, and the yield was 39,171,270 lbs., while 25,054 acres (nearly all in Kentucky) were under hemp, producing 11,511 lbs.

The following table exhibits the number of live stock in 1894 and at the census years 1870, 1880, and 1890, the numbers of cattle, sheep, and swine for 1890, and all the numbers for 1894, being estimates:—

—	1870	1880	1890	1894
Horses . . .	8,248,800	11,201,800	14,976,017	16,081,139
Mules . . .	1,179,500	1,729,500	2,246,936	2,352,231
Cattle of all kinds	25,484,100	33,258,000	52,801,907	53,095,568
Sheep . . .	40,853,000	40,765,900	44,336,072	45,048,017
Swine . . .	26,751,400	34,034,100	51,602,780	45,206,498

The total value of farm animals in the United States in 1894 was 2,170,816,754 dollars. The area devoted exclusively to the rearing of cattle measures 1,365,000 square miles. In 1892 the estimated wool clip was 294,000,000 pounds. In 1889, 15,504,978 lbs. of butter and 84,999,828 lbs. of cheese were produced; in 1890, 29,748,042 lbs. of butter, valued at 4,187,489 dollars, and 95,376,053 lbs. of cheese, valued at 8,591,042 dollars.

Viticulture is extending. In 1889 the area under vines was 401,261 acres (California 200,544 acres); 24,306,905 gallons of wine were made (California 14,626,000 gallons); and in California 1,372,195 boxes (of 20 lbs.) of raisins were produced. The number of labourers employed was, in all, 200,780. New York and Ohio rank next to California as vine-growing States.

## II. FORESTRY.

In connection with the great forests of the country, the preparation of lumber or timber is important. There were 25,708 establishments for this purpose in 1880, with a capital of 36,237,224 $\frac{1}{2}$ , employing 146,880 hands, using materials valued at 29,231,077 $\frac{1}{2}$ , the value of the produce being 46,653,745 $\frac{1}{2}$ . For 1888 the total product of lumber was estimated at 30,000,000,000 cubic feet, valued at 120,000,000 $\frac{1}{2}$ .

III. MINING.

The following are the statistics of the metallic products of the United States in 1892 (long tons, 2,240 lbs. ; short tons, 2,000 lbs.) :—

Metallic Products	Quantity	Value
		Dollars
Pig iron, spot value . . . . . long tons	9,157,000	131,161,039
Silver, coining value (\$1.2929 per oz.) troy oz.	58,000,000	74,989,900
Gold, coining value (\$20.6718 " ) " )	1,596,375	33,000,000
Copper, <sup>1</sup> value at New York City . . . pounds	353,275,742	37,977,142
Lead " " " " short tons	213,262	17,060,960
Zinc " " " " " "	87,260	8,027,920
Quicksilver, value at San Francisco . . . flasks	27,993	1,245,689
Nickel, <sup>2</sup> value at Philadelphia . . . pounds	92,252	50,739
Aluminium <sup>3</sup> " " " " " "	259,885	172,824
Tin " " " " " "	162,000	32,400
Antimony, value at San Francisco . short tons	(metallic 150) (ore . 380)	56,466
Platinum, value (crude) at New York troy oz.	80	550
Total value 1892 . . . . .	—	303,775,629
Total value 1891 . . . . .	—	302,307,922

<sup>1</sup> Including copper made from imported pyrites.

<sup>2</sup> Including nickel in copper-nickel alloy, and in exported ore and metal.

<sup>3</sup> Including aluminium alloys.

The following are statistics of non-metallic minerals for 1892 :—

Non-Metallic Products	Quantity	Value
		Dollars
Bituminous coal . . . . . long tons	113,237,845	125,195,139
Pennsylvania anthracite . . . . . " "	46,850,450	82,442,000
Building stone . . . . . " "	—	48,706,625
Lime . . . . . barrels <sup>1</sup>	65,000,000	40,000,000
Petroleum (crude value) . . . . . " "	50,509,136	26,034,196
Natural gas . . . . . " "	—	14,800,714
Cement . . . . . barrels <sup>2</sup>	8,758,621	7,152,750
Salt . . . . . " " <sup>3</sup>	11,498,890	5,544,915
Limestone for iron flux . . . . . long tons	5,172,114	3,620,480
S. Carolina phosphate rock . . . . . " "	616,743	2,984,107
Zinc-white . . . . . short tons	27,500	2,200,000
Mineral waters . . . . . gallons sold	21,876,604	4,905,970
All others . . . . . " "	—	6,994,126
Total, 1892 . . . . .	—	370,581,019
Total, 1891 . . . . .	—	354,086,416

<sup>1</sup> Of 200 lbs.

<sup>2</sup> Of 300 lbs. for natural cement, and 400 lbs. for artificial Portland.

<sup>3</sup> Of 280 lbs. net.

The total value of the specified mineral products in 1892 was thus 674,356,648 dollars, the corresponding value for 1891 being 656,394,338 dollars. To each of these sums the official statement adds 10,000,000 dollars as the estimated value of unspecified mineral products.

The following statement, taken from a census bulletin, shows the condition of the iron ore mining industry in 1889, as compared with that in 1880 :—

—	Production	Value at Mines	Capital Employed	Persons Employed
1880	Long tons 7,120,362	Dollars 23,156,957	Dollars 61,782,287 <sup>1</sup>	31,668 <sup>1</sup>
1889	14,518,041	33,351,978	109,766,199	38,227

<sup>1</sup> In regular establishments.

Of the iron ore produced in 1889, 5,856,169 long tons were from Michigan ; 1,570,319 long tons from Alabama ; 1,560,234 long tons from Pennsylvania. In the same year 853,573 long tons of iron ore were imported, and the total consumption was 15,733,465 long tons.

The total production of gold and silver (coining value) in the country was as follows during each of the years from 1888 to 1892 :—

Year	Gold	Silver	Total
	Dollars	Dollars	Dollars
1888	33,175,000	59,195,000	92,370,000
1889	32,886,744	66,396,988	99,283,732
1890	32,845,000	70,464,645	103,309,645
1891	33,175,000	75,416,565	108,591,565
1892	33,000,000	74,989,900	107,989,900

The precious metals are raised mainly in California for gold, and Colorado, Arizona, Utah, Nevada, and Montana for silver. The coining value of the gold produced from mines in the United States from 1792 to 1892 is estimated at 1,937,881,769 dollars, and of the silver at 1,148,161,465 dollars.

#### IV. MANUFACTURES.

The following table shows the condition of manufacturing industries in the United States in 1870, 1880, and 1890. The figures for 1890 include petroleum-refining and gas manufacture, with certain minor industries such as bottling, dressmaking, cotton cleaning and ginning, drug-grinding, &c., none of which are included in the figures for 1870 and 1880. The generation of electricity for lighting and power is only partially included in the numbers for 1890 :—

Year	No. of Establishments Reporting.	Capital	Hands employed	Value of Materials	Value of Products
		Dollars.		Dollars.	Dollars.
1870	252,148	1,694,568,000	2,053,996	1,990,742,000	3,385,861,000
1880	253,852	2,790,272,606	2,732,595	3,396,823,549	5,369,579,191
1890	355,415	6,525,156,486	4,712,622	5,162,044,076	9,372,437,283

More than one-half of the establishments and of the capital in 1890 were in the States of New York, Pennsylvania, Ohio, Massachusetts, and Illinois.



The manufacture of cotton in the United States has been rapidly growing in recent years. In 1890 the number of establishments for the preparation and manufacture of cotton and cotton goods, reporting to the census authorities, was 2,641, and the capital employed was 365,957,804 dollars. For the manufacture of cotton goods alone (apart from mixed goods) there were 905 establishments with an aggregate capital of 354,020,843 dollars, employing, on an average, 221,585 persons. The annual cost of materials used was 154,912,979 dollars, and the value of the products 267,981,724 dollars.

The following are some statistics of cotton :—

Year ending June 30	Production	Imports	Exports	Retained for Home Consumption
	lbs.	lbs.	lbs.	lbs.
1880	2,771,797,596	3,547,792	1,822,295,843	953,049,105
1887	3,157,378,443	3,924,531	2,170,173,701	991,129,273
1888	3,439,172,391	5,497,592	2,264,324,798	1,180,345,185
1889	3,439,934,799	7,973,039	2,385,004,628	1,062,903,210
1890	3,627,366,183	8,606,049	2,472,047,957	1,163,924,275
1891	4,316,043,982	20,908,817	2,907,806,589	1,429,146,210
1892	4,506,575,984	28,663,769	2,935,352,588	1,599,887,165
1893	3,352,658,458	43,367,952	2,212,115,126	1,183,550,452

The values of cottons of domestic manufacture exported from the United States were 4,071,882 dollars in 1875, 11,836,591 dollars in 1885, 9,999,277 dollars in 1890, and 11,809,355 dollars in 1893.

In 1890 there were 2,489 manufactories of woollen goods employing 219,132 hands, the value of goods manufactured being 337,768,524 dollars.

Another industry of great importance is that connected with iron and steel. In the various branches of this industry there were 1,005 establishments in the census year ended May 31, 1880, with a capital of 47,525,079*l*. (reckoning the £ at \$4·86), and employing 140,978 hands; these produced 7,265,140 short tons of iron and steel in the year, the value of all the materials used being 39,356,203*l*., and the total value of the products 61,020,099*l*.

On June 30, 1890, there were in the United States 559 completed furnace stacks (in 1880, 681) for the production of pig-iron, and during the year ended at that date 9,906,607 tons of pig-iron were produced (in 1880, 3,781,021). Of the furnaces, 221 were in Pennsylvania, where the production was 49·13 per cent. of the whole. Included in the total was 4,233,372 tons of Bessemer pig-iron, of which 60·6 per cent. was produced in Pennsylvania. Of the total of pig-iron, Ohio produced 13·6 per cent., Alabama 9·3 per cent., Illinois 7 per cent., and New York 3·48 per cent.

At the same date there were in all 158 (in 1880, 73) steel works (Pennsylvania 79), and during the year 4,671,649 (in 1880, 1,145,711) short tons of steel ingots and castings (including 4,051,262 tons of Bessemer and Clapp-Griffiths steel) were produced. Of the total, Pennsylvania produced 63·53 per cent., Illinois 18·69 per cent., and Ohio 9·48 per cent. The production of Bessemer steel rails was 2,076,325 tons (Pennsylvania 1,436,265 tons).

The production of pig-iron in 1882 was 5,178,122 short tons; in 1885, 4,529,869; in 1886, 6,365,328; in 1887, 7,187,206; in 1888, 7,268,507; in 1889, 8,516,079; in 1890, 10,307,028 short tons. The total number of furnaces in December, 1887, was 583; in 1888, 589; in 1889, 570. The number of furnaces in blast at the end of 1888 was 332; at the close of 1889, 344; at the close of 1890, 311. The total quantity of pig-iron consumed in 1888 was 7,491,393 short tons; in 1889, 8,734,137 short tons. The production of rolled iron in 1889 was 2,586,385 short tons; in 1890, 2,820,377 short tons.

In 1887 the Bessemer steel ingots produced amounted to 3,288,537 short tons ; 2,812,500 tons in 1888 ; 3,281,829 tons in 1889 ; 4,131,535 short tons in 1890 ; and Bessemer steel rails, 2,013,188 short tons in 1890. Open-hearth steel ingots in 1886, 245,250 short tons ; in 1887, 360,717 tons ; in 1888, 352,036 tons ; in 1889, 419,488 tons ; in 1890, 564,873 short tons.

#### V. FISHERIES.

At the census of 1880 the fisheries of the United States employed 131,426 persons, the capital invested was 7,591,700*l.*, and the value of the products (including seal and whale fisheries) was 8,600,000*l.* ; the number of vessels engaged was 6,605, of 208,297 tons. At the census of 1890 there were engaged in the fisheries of the great lakes 3,983 vessels and boats with 6,896 men, and the capital invested was 2,615,784 dollars. In 1889 the capital invested in the whale and seal fisheries was 2,081,636 dollars ; the number of vessels was 101, of 22,660 tons, valued at 1,791,173 dollars ; the value of products landed was 1,834,551 dollars ; persons employed, 3,513. In the year 1892-93 the whale-fishing yielded 468,471 gallons of sperm oil, 418,921 gallons of other oil, 334,061 lbs. of whale-bone, and other products, the total value being 1,077,768 dollars. In 1889 the value of the products of the Pacific States fisheries, including salmon and whale, and seal products was 6,387,800 dollars. The value of the produce of the United States fisheries exported in 1893 was 5,541,378 dollars.

#### Commerce.

The subjoined table gives the total value, in dollars, of the imports and exports of merchandise in the years ended June 30, 1879 and 1890-94 :—

Year (ended June 30)	Imports of Merchandise	Exports of Domestic Merchandise	Year (ended June 30)	Imports of Merchandise	Exports of Domestic Merchandise
	Dollars	Dollars		Dollars	Dollars
1879	445,777,775	698,340,790	1892	827,402,462	1,015,732,011
1890	789,310,409	845,293,828	1893	866,400,922	831,030,785
1891	844,916,196	872,270,283	1894	654,994,622	869,204,937

In the United States the values are fixed not according to average prices, but according to invoices or shipping papers, which the importers and exporters have to produce. For imports the invoices are signed by an American Consul ; for exports the shipping papers are signed by the exporters at the port of shipment. The quantities are determined by declarations.

The following table gives the total value of the gold and silver bullion and specie imported into the United States, and the value of that exported, being the product of the States, in 5 years ended June 30, 1894 :—

Year	Imports			Exports		
	Gold	Silver	Total	Gold	Silver	Total
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1890	12,943,342	21,032,984	33,976,326	17,274,491	34,873,928	52,148,420
1891	18,232,567	18,026,880	36,259,447	86,362,654	22,590,988	108,953,642
1892	49,699,454	19,955,086	69,654,540	50,195,327	32,810,559	83,005,886
1893	21,174,381	23,193,252	44,367,633	108,680,844	40,737,319	149,418,163
1894	72,449,119	13,286,552	85,735,671	76,978,061	50,451,265	127,429,326

The general imports and the domestic exports of United States produce are classified as follows for 1892-93 and 1893-94 :—

Imports	1892-93	1893-94	Exports	1892-93	1893-94
	Dollars	Dollars		Dollars	Dollars
Food and animals	271,585,993	278,338,429	Unmanufactured :		
Raw materials . . .	226,711,989	137,027,024	Agriculture . . .	615,382,986	628,363,038
Articles wholly or partially manufactured . . .	98,753,902	67,510,926	Mines . . .	20,020,026	20,449,598
Manufactured and ready for consumption . . .	143,493,447	92,719,494	Forests . . .	28,127,113	28,010,953
Luxuries, &c. . .	125,855,591	79,398,749	Fisheries . . .	5,541,378	4,261,920
			All others . . .	3,936,164	4,400,944
			Total . . .	673,007,667	685,486,453
			Manufactures . . .	158,023,118	183,718,484
Total . . .	866,400,922	654,994,622	Aggregate . . .	831,030,785	869,204,987

The following table shows the value of the chief exports of domestic merchandise for the year ending June 30, 1894 :—

—	Dollars	—	Dollars
Breadstuffs . . .	166,777,229	Vegetable oils . . .	6,460,625
Cotton, unmanufactured	210,869,289	Furs, hides, and skins	8,211,184
Provisions, including meat and dairy products . . .	145,270,643	Fish . . .	3,492,201
Mineral oils . . .	41,499,806	Glucose, sugar, and molasses . . .	4,538,118
Animals . . .	35,712,641	Paraffin & paraffine wax	3,820,356
Iron and steel, and manufactures of . . .	29,220,264	Agricultural implements	5,027,915
Wood, and manufactures of . . .	27,712,169	Fertilizers . . .	5,038,445
Tobacco, and manufactures of . . .	27,935,230	Hops . . .	3,844,232
Copper, manufactures of, and ore . . .	22,132,856	Spirits, distilled . . .	5,676,936
Cotton, manufactures of	14,340,886	Flax, hemp, and jute, manufactures of . . .	1,712,744
Leather, and manufactures of . . .	14,283,429	Carriages, and horse cars, and parts of . . .	1,649,154
Oil cake and meal . . .	8,807,256	Books, maps, engravings, etchings, and other printed matter	2,620,046
Coal . . .	11,908,965	Vegetables . . .	1,744,462
Naval stores (resin, tar, turpentine, pitch, and spirits of turpentine)	6,790,948	India-rubber and gutta-percha, and manufactures of . . .	1,461,842
Chemicals, drugs, dyes, and medicines . . .	7,400,953	Scientific instruments.	1,534,277
Fruits, including nuts	2,424,239	Paper, and manufactures of . . .	1,906,634
Seeds . . .	7,942,221	Railway cars . . .	1,700,521
		Clocks and watches, and parts of . . .	1,302,813

The leading imports into the United States were in 1893-94 :—

	Dollars		Dollars
Coffee . . . . .	87,173,108	Distilled spirits . . . . .	1,499,604
Sugar, molasses and confectionery . . . . .	128,898,882	Wines . . . . .	6,739,478
Silk, raw . . . . .	16,234,182	Precious stones, not set	5,411,076
Silk goods . . . . .	24,811,773	Leather, and manufac- tures of . . . . .	9,416,145
Wools . . . . .	6,107,438	Tobacco, and manufac- tures of . . . . .	13,139,572
Woollen goods . . . . .	19,439,372	Ores, silver bearing . . . . .	6,679,161
Chemicals, &c. . . . .	37,553,170	Glass and glassware . . . . .	5,216,816
Textile fibres, & manu- factures of . . . . .	29,816,739	Earthenware, &c. . . . .	6,879,437
Cotton, and manufac- tures of . . . . .	25,443,844	Tin, in bars, &c. . . . .	2,640,770
Iron and steel, ore and manufactures . . . . .	21,314,489	Metals, metal compo- sitions, &c. . . . .	4,486,395
Hides and skins, and furs . . . . .	18,480,093	Feathers (ornamental), flowers (artificial), perfumery and cos- metics . . . . .	2,882,538
Fruits . . . . .	18,754,771	Paper stock, crude . . . . .	3,048,094
India-rubber and gutta- percha, and manufac- tures of . . . . .	15,558,098	Breadstuffs and farin- aceous foods . . . . .	2,201,887
Wood, and manufac- tures of . . . . .	18,154,073	Fish . . . . .	5,399,705
Tea . . . . .	14,144,243	Coal, bituminous . . . . .	3,704,113
		Animals . . . . .	2,403,746

The customs duties on merchandise amounted in 1891-92 to 174,124,335 dollars, and in 1892-93 to 199,143,678 dollars. The following table shows for the years 1892-93 and 1893-94 the values of the exports of domestic merchandise to and the imports from the following countries, according to the United States returns:—

Countries	Domestic Exports		Imports	
	1892-93	1893-94	1892-93	1893-94
	Dollars	Dollars	Dollars	Dollars
United Kingdom . . . . .	414,966,094	423,968,879	182,859,769	107,372,995
Germany . . . . .	81,992,572	90,065,108	96,210,203	69,387,905
France . . . . .	46,006,448	52,888,224	76,076,215	47,549,974
Belgium . . . . .	25,859,728	26,928,669	11,166,196	8,609,819
Netherlands . . . . .	38,118,527	43,087,706	17,448,948	10,690,979
Italy . . . . .	12,792,059	13,808,241	26,250,241	18,006,075
Spain . . . . .	13,427,171	13,114,076	5,694,553	4,255,875
Switzerland . . . . .	7,391	17,124	16,010,728	11,450,270
Sweden & Norway . . . . .	4,083,156	4,355,777	4,176,384	3,112,066
Austria Hungary . . . . .	542,073	526,721	10,054,501	6,896,341
Russia on the Baltic and White Seas . . . . .	2,005,504	6,271,980	3,031,479	1,636,920
All other Europe . . . . .	12,180,280	11,893,829	9,470,876	6,108,646
British North Amer- ican possessions . . . . .	44,830,203	51,681,889	38,186,342	31,326,731
Mexico . . . . .	18,891,714	12,441,805	33,555,099	28,727,006

Countries	Domestic Exports		Imports	
	1892-93	1893-94	1892-93	1893-94
	Dollars	Dollars	Dollars	Dollars
West Indies . . .	43,446,080	41,004,108	102,703,617	96,464,964
Central American States . . .	5,265,058	4,982,492	8,304,946	9,769,049
All other N. America . . .	1,519,934	1,366,295	982,708	674,809
Brazil . . .	12,339,584	13,827,914	76,222,138	79,360,159
Venezuela . . .	4,142,051	4,089,732	3,625,118	3,464,481
Argentine Republic . . .	4,786,567	4,593,418	5,239,095	3,497,030
Colombia . . .	3,047,620	2,702,106	3,572,918	2,234,887
Chile . . .	2,971,341	2,262,011	3,995,441	3,536,197
Guianas . . .	2,425,741	2,841,416	6,144,853	5,325,911
All other S. America . . .	2,377,967	2,327,853	3,408,252	2,728,442
British India and East Indies . . .	3,152,679	4,328,757	25,968,554	14,829,661
Japan . . .	3,189,711	3,981,377	27,454,220	19,426,522
China . . .	3,900,457	5,858,488	20,636,535	17,135,028
Dutch East Indies . . .	1,183,599	1,722,442	8,696,588	11,278,725
Hongkong . . .	4,214,576	4,208,128	878,078	892,511
Turkey in Asia . . .	132,786	106,963	3,533,197	2,204,973
All other Asia N. E. S. . .	440,650	654,532	457,274	418,977
British Australasia . . .	7,818,130	8,055,032	7,266,808	4,017,025
Hawaiian Islands . . .	2,717,338	3,217,713	9,146,767	10,065,317
All other Oceanica . . .	429,098	462,257	9,583,803	7,375,581
British Africa . . .	3,681,571	3,972,982	716,376	464,087
Turkey in Africa . . .	128,651	181,252	3,438,925	2,208,029
All other Africa . . .	1,377,045	755,164	1,701,731	807,222
British Possessions, all other . . .	570,332	595,087	2,471,937	1,660,639
All other Countries . . .	69,299	57,390	59,509	22,794
Total . . .	831,030,785	869,204,937	866,400,922	654,994,622

Thus, in the year ended June 30, 1894, 47 per cent. of the exports of the United States went to Great Britain alone, while 16 per cent. of the imports came from that country.

The following is the trade of Great Britain and Ireland with the United States, according to the Board of Trade returns:—

	1880	1889	1890	1891	1892	1893
	£	£	£	£	£	£
Imports from the United States . . .	107,081,260	95,461,475	97,283,349	104,409,050	108,186,317	91,783,847
Exports of British produce . . .	30,855,871	30,293,942	32,068,128	27,544,553	26,547,234	23,957,352

The value of the total exports from Great Britain to the United States was, in 1889, 43,878,934*l.*; in 1890, 46,340,012*l.*; in 1891, 41,066,147*l.*; in 1892, 41,412,006*l.*; in 1893, 35,715,274*l.*

The total quantity and value of the grain and flour imports into Great Britain from the United States were as follows in each of the last five years:—

Year	Quantities	Value
	Cwts.	£
1889	50,607,986	18,209,496
1890	56,668,226	19,890,486
1891	47,448,115	22,442,546
1892	75,294,781	30,366,571
1893	62,719,007	22,326,099

The most valuable of the corn imports is that of wheat and wheat flour, which amounted to 12,480,843*l.* in 1889; 13,628,815*l.* in 1890; 19,316,433*l.* in 1891; 23,937,833*l.* in 1892; 19,010,766*l.* in 1893. The value of the maize imports into Great Britain was, in 1889, 5,325,498*l.*; in 1890, 5,153,537*l.*; in 1891, 2,241,926*l.*; in 1892, 4,635,268*l.*; in 1893, 2,221,722*l.*

The imports of raw cotton into Great Britain and Ireland from the United States were of the following quantities and value in each of the last five years:—

—	1889	1890	1891	1892	1893
	Cwts.	Cwts.	Cwts.	Cwts.	Cwts.
Quantities .	12,712,606	11,756,758	14,442,328	12,549,359	9,427,280
	£	£	£	£	£
Value . . .	33,545,271	31,395,055	36,578,788	29,190,392	22,524,826

Other considerable imports into Great Britain were, in 1893—bacon and hams, 8,210,090*l.*; cheese, 1,578,531*l.*; lard, 2,692,552*l.*; petroleum, 1,964,979*l.*; oil-cake, 1,133,144*l.*; oxen and bulls, 4,667,152*l.*; fresh beef, 3,295,559*l.*; tobacco, 2,721,852*l.*; leather, 2,356,933*l.*; sugar, 597,241*l.* in 1891; 161,965*l.* in 1892; 213,505*l.* in 1893.

The following table gives the total value of the leading articles exported from the United Kingdom to the United States in the last five years:—

Year	Iron	Cotton Goods	Linen Goods	Woollen Goods
	£	£	£	£
1889	6,187,286	2,385,382	2,899,414	5,189,250
1890	6,410,757	2,735,070	2,920,198	5,147,832
1891	6,198,354	2,351,706	2,400,971	3,178,093
1892	4,735,842	2,611,121	2,695,800	3,681,761
1893	4,315,286	2,528,829	2,404,982	2,736,341

Other exports from the United Kingdom to the United States are alkali, 1,017,169*l.*; silk manufactures, 301,107*l.*; jute manufactures and yarn, 1,128,422*l.*; machinery, 636,401*l.* in 1893.

The total trade of the United States (imports and exports of merchandise) is divided as follows in 1893-94 among the various coasts and frontiers of the States in percentage of the total:—

Atlantic Coast	Gulf Coast	Pacific Coast	North Boundary	Interior Ports
78·08	10·44	5·00	6·13	0·35

The percentage of the leading ports was as follows:—

New York	Boston	Philadelphia	Baltimore	New Orleans	San Francisco
50·74	8·68	6·09	5·84	6·44	4·07

### Shipping and Navigation.

The foreign commerce of the United States is at present largely carried on in foreign bottoms. The shipping belonging to the United States was classed as follows for 1893:—Sailing vessels, 17,951 of 2,641,799 tons; steam vessels, 6,561 of 2,183,272 tons; total, 24,512 vessels of 4,825,071 tons.

Of vessels registered as engaged in the foreign trade, the aggregate burthen was in 1893 883,199 tons, showing a decrease of 91,425 tons on 1892; while of vessels engaged in the coasting trade the total burthen in 1893 was 3,854,693 tons, or 153,920 tons more than in the preceding year.

The shipping is distributed thus (1893):—

Grand Divisions	Sailing Vessels		Steam Vessels		Canal Boats		Barges		Total	
	No.	Tons	No.	Tons	No.	Tons	No.	Tons	No.	Tons
Atlantic and Gulf Coasts	13,196	1,546,171	3,113	954,254	441	49,436	1,163	257,830	17,913	2,807,691
Pacific Coast	948	254,227	594	199,016	—	—	7	4,179	1,549	457,422
Northern Lakes	1,205	317,789	1,731	828,702	743	76,843	82	37,732	3,761	1,261,066
Western Rivers.	1	9	1,123	201,300	—	—	165	97,582	1,289	298,891
Totals, 1893	15,350	2,118,196	6,561	2,183,272	1,184	126,279	1,417	397,323	24,512	4,825,070
„ 1892	15,435	2,178,475	6,392	2,074,416	1,168	123,873	1,388	388,156	24,383	4,764,921

During the year 1892-93 there were built:—Sailing vessels, 576 of 77,271 tons; steam vessels, 380 of 134,368 tons; of which were canal boats, 28 of 3,791 tons; barges, 55 of 24,132 tons.

The total tonnage on June 30, 1893, was 2,183,272 steam and 2,641,799 other than steam.

The tonnage entered and cleared in the foreign trade during the last three fiscal years was as follows:—

—	1892		1893		1894	
	No.	Tonnage	No.	Tonnage	No.	Tonnage
Entered:—						
American . . .	10,912	4,469,955	10,678	4,858,686	10,772	4,654,489
Foreign . . .	22,232	16,543,469	21,077	15,223,130	19,274	15,334,984
Total . . .	33,144	21,013,424	31,755	19,581,816	30,046	19,989,473
Cleared:—						
American . . .	11,085	4,536,151	10,463	4,403,362	10,895	4,739,918
Foreign . . .	22,300	16,624,882	21,172	15,357,384	19,354	15,525,950
Total . . .	33,385	21,161,033	31,635	19,760,746	30,249	20,275,868

In 1893-94 31 vessels of 53,912 tons cleared from Atlantic for Pacific ports of the United States, and 14 vessels of 25,857 tons cleared from Pacific for Atlantic ports, *via* Cape Horn.

Of the total foreign trade conducted in vessels in 1893-94, only 8.7 per cent. in value was carried in vessels belonging to the United States. The proportion has steadily decreased since 1859, when it was 70.0 per cent.

### Internal Communications.

The growth of the railway system of the United States dates from 1827, when the first line was opened for traffic at Quincy, Massachusetts. According to Poor's Railway Manual, the extent of railways in operation in 1830 was 23 miles; it rose to 2,818 miles in 1840; to 9,021 miles in 1850; to 30,626 miles in 1860; to 52,922 miles in 1870; to 93,296 miles in 1880; to 103,143 miles in 1881; to 175,204 miles in 1892; and to 177,153 miles in 1893. The railways are divided as follows for 1893, among the great groups of States, the statistics overlapping to some extent:—New England States, 7,019 miles; Middle Atlantic, 21,360 miles; Central Northern, 38,770 miles; South Atlantic, 19,313 miles; Gulf and Mississippi Valley, 14,223 miles; South-Western, 34,257 miles; North-Western, 29,211 miles; Pacific, 13,601 miles.

The total capital invested in railways (stock, funded and unfunded debt) in 1893 was 11,060,687,120 dollars. For 1893 the gross earnings were 1,208,641,498 dollars, and the net earnings, 358,648,918 dollars. In the 56 principal cities of the United States in 1888-89 there were altogether 3,151



miles of street railway, 2,351 miles being worked by animal power, 260 miles by electricity, 256 miles by cable, and 283 miles by steam.

The telegraphs of the United States are almost entirely in the hands of the Western Union Telegraph Company, which had in 1893 189,936 miles of line, 769,201 miles of wire, and 21,078 offices; the number of messages sent in 1893 was 66,591,858; the receipts, 24,978,442 dollars; expenses, 17,482,405 dollars; and profits, 7,496,037 dollars. Including minor companies, there were altogether over 210,000 miles of telegraph line open for public use in 1893. In 1893 there were 307,748 miles of telephone wire belonging to one company, with 552,720 telephones, and 812 telephone exchanges. The length of wires for telephone use is estimated at 440,750 miles.

The postal business of the United States for five fiscal years was as follows:—

Fiscal Year ending June 30	Pieces of Mail handled	Registered Packages	Through registered pouches and inner registered sacks handled	Total
1890	7,847,723,600	16,576,293	1,138,208	7,865,438,101
1891	8,546,370,090	16,671,914	1,210,559	8,564,252,563
1892	9,227,816,090	16,879,160	1,299,525	9,245,994,775
1893	9,772,075,810	16,487,241	1,302,466	9,789,865,517
1894	10,033,973,790	15,253,586	1,333,454	10,050,560,830

Money orders issued (1893-94):—

		Dollars
Domestic . . . . .	14,304,041	amounting to 138,793,579.49
International . . . . .	917,823	„ 13,792,455.31
Postal notes . . . . .	7,765,310	„ 12,649,094.55
Total . . . . .	22,987,174	„ 165,235,129.35

There are (1894) 69,805 offices. The total expenditure of the department during the year 1893-94 was 84,324,414.15 dollars; total receipts, 75,080,479.04 dollars; excess of expenditure 9,243,935.11 dollars.

### Money and Credit.

The monetary system is theoretically bimetallic, gold being legal tender, and also silver dollars. In 1853 the fractional silver pieces were reduced to token money. In 1873 the silver dollar was omitted from the list of coins to be struck, but in 1878 it was restored by the Bland Act, which required its coinage to the extent of from 2,000,000 to 4,000,000 dollars per month. In July 1890 the Sherman Act was passed, whereby silver was to be purchased, and silver certificates issued to the amount of 4,500,000 dollars per month. The silver purchase clauses were, however, repealed October 30, 1893. The amount of silver purchased under this Act (August 30, 1890, to November 2, 1893) was 168,674,590 fine ounces, costing 155,930,941 dollars. The total amount of silver purchased by the Government from March 1, 1873, was 503,003,809 fine ounces, costing 516,623,010 dollars. Legal tender notes are issued by the Treasury, and silver certificates, being received in payment of taxes, circulate freely.

The metallic and paper money in the United States was as follows on November 1, 1894:—

Coin, Certificates, and Notes	Coined or issued	In Treasury	In circulation
	Dollars	Dollars	Dollars
Gold coin . . . . .	581,597,841	81,416,461	500,181,380
Standard silver dollars . . . . .	421,776,408	365,332,738	56,443,670
Subsidiary silver . . . . .	75,667,112	15,424,113	60,242,999
Gold certificates . . . . .	64,303,349	56,280	64,252,069
Silver " " . . . . .	337,712,504	6,569,203	331,143,301
Treasury notes, Act of July 14, 1890 . . . . .	151,140,568	28,425,172	122,715,396
United States notes . . . . .	346,681,016	66,206,311	280,474,705
Currency certificates, Act of June 8, 1872 . . . . .	54,325,000	280,000	54,045,000
National bank notes . . . . .	207,565,090	4,970,188	202,594,902
Total . . . . .	2,240,773,888	568,680,466	1,672,093,422

The coinage in six years was as follows, in dollars :—

—	1889	1890	1891	1892	1893	1894
Gold . . . . .	25,543,910	22,021,748	24,172,202	35,506,988	30,038,140	99,474,912.50
Silver . . . . .	34,515,546	36,815,837	38,272,020	14,989,279	12,560,935	6,024,898.30
Minor . . . . .	906,473	1,416,852	1,166,936	1,296,710	1,086,103	716,919.26
Total . . . . .	60,965,929	60,254,437	63,611,158	51,792,977	43,685,178	106,216,730.06

The note issue of each of the national banks is by law more than covered by United States interest-bearing bonds deposited with the Treasurer of the United States. The amount of the bonds thus deposited was, on June 30, 1894, 201,691,750 dollars, while the bonds held for other purposes amounted to 27,801,100 dollars. The aggregate resources and liabilities of the national banks, 3,755 in number, on October 2, 1894, were :—

Resources	Dollars	Liabilities	Dollars
Loans and discounts . . . . .	1,991,874,273	Capital stock paid in . . . . .	668,861,847
Overdrafts . . . . .	15,247,918	Surplus fund . . . . .	245,197,518
U. S. bonds . . . . .	225,530,700	Undivided profits, less expenses and taxes paid . . . . .	88,923,564
Premiums on U. S. bonds . . . . .	14,624,279	National bank notes outstanding . . . . .	172,331,978
Stock, securities, &c. . . . .	193,300,072	State bank notes outstanding . . . . .	66,290
Real estate, &c. . . . .	97,892,137	Due to other national banks . . . . .	343,692,317
Due from banks . . . . .	150,453,080	Due to state banks and bankers . . . . .	183,167,780
Due from reserve agents . . . . .	248,849,608	Dividends unpaid . . . . .	2,576,246
Checks and other cash items . . . . .	15,576,975	Individual deposits . . . . .	1,728,418,819
Exchanges for clearing house . . . . .	88,524,052	U. S. deposits . . . . .	10,024,910
Bills of other national banks . . . . .	18,580,577	Deposits of U. S. disbursing officers . . . . .	3,716,538
Lawful money reserve in bank . . . . .	402,894,683	Notes and bills rediscounted . . . . .	11,453,428
Other resources . . . . .	10,573,801	Bills payable . . . . .	12,552,277
		Liabilities other than those above stated . . . . .	2,938,543
Total . . . . .	3,473,922,055	Total . . . . .	3,473,922,055

The following statement regarding other banks refers to the year 1893-94 :—

Banks	3586	224	1024	914
	State Banks	Loan & Trust Companies	Savings Banks	Private Banks
	Dollars	Dollars	Dollars	Dollars
Loans . . . . .	665,988,823	374,421,713	1,026,622,425	66,596,017
U. S. bonds . . . . .	604,055	13,449,411	108,950,804	534,102
Other bonds . . . . .	83,937,673	128,774,740	669,637,062	4,369,383
Capital . . . . .	244,435,573	97,068,092	30,579,558	26,652,167
Surplus and profits . . . . .	102,453,492	75,303,366	165,609,461	9,058,465
Deposits . . . . .	658,107,494	471,298,816	1,777,933,242	66,074,549
Resources . . . . .	1,077,164,813	705,136,244	1,980,744,189	105,379,051

## Money, Weights, and Measures.

### MONEY.

The *dollar* of 100 *cents* is of the par value of 49·32*d.*, or 4·866 dollars to the pound sterling.

Gold coins in common use are 10 and 5-dollar pieces called *eagles* and *half-eagles*. The eagle weighs 258 grains or 16·71818 grammes ·900 fine, and therefore contains 232·2 grains or 15·0464 grammes of fine gold.

The silver dollar weighs 412·5 grains or 26·729 grammes ·900 fine, and therefore contains 371·25 grains or 24·0561 grammes of fine silver. Subsidiary silver coins contain 345·6 grains of fine silver per dollar.

### WEIGHTS AND MEASURES.

British weights and measures are usually employed, but the old Winchester gallon and bushel are used instead of the new or imperial standards. They are :—

<i>Wine Gallon</i>	=	0·83333	gallon.
<i>Ale Gallon</i>	=	1·01695	„
<i>Bushel</i>	=	0·9692	imperial bushel.

Instead of the British cwt. a *Cental*, of 100 pounds, is used.

## Diplomatic Representatives.

### 1. OF THE UNITED STATES IN GREAT BRITAIN.

*Ambassador*.—Hon. Thomas F. Bayard.

*Secretary*.—James R. Roosevelt.

*Military Attaché*.—Major William Ludlow.

*Naval Attaché*.—Lieutenant-Commander William S. Cowles.

*Consul-General (London)*.—P. A. Collins.

There are Consular representatives in Belfast, Birmingham, Bradford, Bristol, Cardiff, Cork, Dublin, Dundee, Glasgow, Hull, Leeds, Liverpool, Manchester, Newcastle, Plymouth, Sheffield, Southampton, Antigua, Auckland (N.Z.), Bombay, Calcutta, Cape Town, Ceylon, Halifax (N.S.), Hobart, Melbourne, Montreal, Quebec, St. John's (N.F.), Singapore, Sydney

### 2. OF GREAT BRITAIN IN THE UNITED STATES.

*Ambassador*.—Right Hon. Sir Julian Pauncefote, G.C.B., G.C.M.G.  
Appointed 1889.

*Secretary*.—Hon. Hugh Gough.

There are Consular representatives at Baltimore, Boston, Charleston, Chicago, Galveston, New Orleans, New York (C. G.), Philadelphia, San Francisco.

## Statistical and other Books of Reference concerning the United States.

### 1. OFFICIAL PUBLICATIONS.

- Agriculture, Reports of the Department of. Washington.  
 Appropriation, Letter from Secretary of Treasury with estimate of Annual. Washington.  
 Army Register of the United States. Washington.  
 Census, Tenth. Vols. I.—XXI. 4. Washington, 1883-89.  
 Census, Eleventh, Bulletins. Washington, 1890-93.  
 Commerce of the United States, Reports on the Internal. Annual. Washington.  
 Commerce of the United States, Reports on the Foreign. Annual. Washington.  
 Congressional Directory. Annual. Washington.  
 Constitutions, Federal and State, compiled by B. P. Poore. 2 pts. 8. Washington 1877.  
 Debt of the United States, Statement of the Public. Annual. Washington.  
 Education, Annual Reports of Commissioner of. Washington.  
 Education Bureau, Circulars of. Washington.  
 Ethnology Bureau, Reports of. Washington.  
 Foreign Office List. By Sir E. Herstlet. Annual. London.  
 Foreign Relations of the United States, Papers relating to, transmitted to Congress. Annual. Washington.  
 Foreign Office Reports (British). Annual Series and Miscellaneous Series. London.  
 Geological and Geographical Survey, Annual Reports of. Washington.  
 Immigration, Report of Commissioners. 8. Washington, 1892.  
 Interior, Report of Secretary on Operations of Department of the. Annual. Washington.  
 International Law of the United States, Digest of. 3 vols. Washington, 1886.  
 Land Office, Report of Commissioner. Annual. Washington.  
 Loans and Currency, Acts of Congress Relating to, 1846-85. 8. New York, 1888.  
 Labour Laws of the United States. Washington, 1892. Report of Commissioner of Labour. Annual. Washington. [The Report for 1892 is on Industrial Education.]  
 Mineral Resources of the United States. By D. T. Day. Annual. Washington.  
 Mint, Report of the Director of. Annual. Washington.  
 Navy Register of the United States. Washington.  
 Navy, Report of the Secretary of. Annual. Washington.  
 Official Register of the United States. Washington.  
 Prices, Wages, and Transportation, Report on, by Mr. Aldrich of the Committee on Finance. 4 pts. 8. Washington, 1893.  
 Railways, Report on Statistics of, to Interstate Commerce Commission. Annual. Washington.  
 Revenue, Report of Commissioner of Internal. Annual. Washington.  
 Statistical Abstract of the United States. Annual. Washington.  
 Statistics Bureau, Quarterly Reports of, on Imports, Exports, Immigration, and Navigation of the United States. Washington.  
 Statutes at large, and Treaties of the United States. Published annually. Washington.  
 Trade of the United Kingdom with Foreign Countries, &c., Statement of. Annual. Imp. 4. London.  
 Treasury, Report of the Secretary of, on Finances. Annual. Washington.  
 War, Report of Secretary on Operations of Department of. Annual. Washington.

### 2. NON-OFFICIAL PUBLICATIONS.

- Adams* (Henry), History of the United States of America. 9 vols. New York and London, 1891.  
*Appleton*. General Guide to the United States and Canada. 8. New York, 1892.  
*Cyclopædia of American Biography*. 4. New York, 1887.  
*Baedeker's Handbook for the United States*. By J. F. Muirhead. 8. Leipzig, 1893.  
*Bancroft* (George), History of the Formation of the Constitution of the United States of America. 2 vols. London, 1882.  
*Bancroft* (George), History of the United States. New ed. 6 vols. 8. London, 1882.  
*Holles* (A. S.), Financial History of the United States. 3 vols. New York, 1885.  
*Brockett* (L. R.), Our Western Empire. Philadelphia, 1882.  
*Bryce* (James), The American Commonwealth. 2 vols. 3rd ed. London, 1893-95.

- Carson* (H. I.), History of the Supreme Court of the United States. 8. Philadelphia, 1852.
- Colange* (E.), The National Gazetteer: a Geographical Dictionary of the United States. New York.
- Cooley* (T. M.), Constitutional Law in the United States. Boston, 1880. The Constitutional Limitations on the Legislative Power of the States of the American Union. 5th ed. 8. Boston, 1883.
- Cooper* (T. V.) and *Fenton* (H. T.), American Politics. New York, 1882.
- Curtis* (G. T.), History of the Constitution of the United States. New York, 1854-58. 2 vols.
- Dall* (W. H.), Alaska and its Resources. 8. Boston, 1870.
- Dilke* (Sir Charles Wentworth, Bart., M.P.), Greater Britain: a Record of Travel in English-speaking Countries in 1866 and 1867. 4th ed. 8. London, 1885.
- Donaldson* (T.), The Public Domain: its History, with Statistics, &c. 8. Washington.
- Ely* (R. T.), Labour Movement in America. 8. London. Taxation in American States and Cities. 8. New York, 1888.
- Elliot* (H. W.), An Arctic Province. London, 1886.
- Fiske* (John), American Political Ideas. 8. New York, 1885. The Critical Period of American History, 1783-1789. 8. London, 1888. Civil Government in the United States. 8. Boston, 1890. The American Revolution. 8. London, 1891.
- Hildreth* (Richard), History of the United States. 6 vols. New York, 1880, &c.
- Holt* (A. von), Verfassung und Demokratie der Vereinigten Staaten von America. 4 vols. Düsseldorf, 1873-91. English translation by J. J. Lalor and A. B. Mason. 8. Chicago, 1876, &c.
- Homans* (B.), The Banker's Almanac and Register for 1892. 8. New York, 1891.
- Johnston* (Alex.), History of American Politics. New York, 1882.
- Kent* (J.), Commentaries on American Law (with Notes by O. W. Holmes, jun.). 4 vols. 8. New York.
- King* (Edward), The Southern States of America. 8. London, 1875.
- LANMAN* (Charles), Biographical Annals of the Civil Government of the United States during its First Century. 8. London, 1876.
- Laws of the United States relating to Loans and the Currency, Coinage, and Banking. Washington, 1886.
- Lossing* (B. J.) Cyclopædia of United States History. New York, 1883. 2 vols.
- McMaster* (J. B.), History of the People of the United States. New York, 1883-91. (In progress.)
- Macpherson* (E.), The Political History of the United States of America during the Great Rebellion from 1860 to 1864. 8. Washington, 1864. Political Manual for 1866 and for 1868, and Handbook of Politics, published in alternate years from 1872. 8. Washington.
- Macy* (J.), Our Government. 8. Boston, 1886.
- Mason* (E. C.), The Veto Power: its Origin, Development, and Function in the United States.
- Paschal* (George W.), The Constitution of the United States. 8. Washington, 1868.
- Patton* (I. H.), Natural Resources of the United States. 8. New York.
- Pomeroy* (J. N.), Constitutional Law of the United States. Enlarged by E. H. Bennett, Boston.
- Poole* (D. C.), Among the Sioux of Dakota. 8. New York, 1881.
- Poor* (Henry V.), Manual of the Railroads of the United States. 8. New York, 1893.
- Porter* (R. P.), *Gannett* (H.), and *Jones* (W. P.), The West, from the Census of 1880. A History of the Industrial, Commercial, Social, and Political Development of the States and Territories of the West, from 1800 to 1880. Chicago, 1882.
- Réclus* (Elisée), Nouvelle Géographie Universelle. Vol. XVI. Paris, 1892.
- Rhodes* (F.), History of the United States (1850-80). 2 vols. 8. London, 1893.
- Scudder* (H. E.), American Commonwealths. [A series of histories of separate States by various writers.] 8. Boston, 1884, &c.
- Spofford* (Ainsworth R.), American Almanac. 8. New York and Washington, 1889. Statistical Atlas of the United States. New York, 1884.
- Stanford's* Compendium. North America. Ed. Hayden and Selwyn. 8. London.
- Stanwood* (Edward), History of Presidential Elections. Boston, 1884.
- Stevens* (C. E.), Sources of the Constitution of the United States. 8. London, 1894.
- Taussig* (F. W.), Tariff History of the United States. 8. New York.
- Tocqueville* (A. de), Démocratie en Amérique. English Translation by H. Reeve. New ed. 8. London, 1889.
- Wenzel* (J.), Comparative View of the Executive and Legislative Departments of the Governments of the United States, France, England, and Germany. 8. Boston, 1891.
- Wharton* (Francis), International Law of the United States. 3 vols. Washington, 1887.
- Whitney* (J. D.), The United States. 8. New York, 1890.
- Williams* (G. W.), History of the Negro Race in America. 2 vols. 8. New York, 1886.
- Winsor* (Justin), Vols. 6 and 7 of the Narrative and Critical History of America.

## URUGUAY.

(REPÚBLICA ORIENTAL DEL URUGUAY.)

### Constitution and Government.

THE Republic of Uruguay, formerly a part of the viceroyalty of Spain, and subsequently a province of Brazil, declared its independence August 25, 1825, which was recognised by the Treaty of Montevideo, signed August 27, 1828. The Constitution of the Republic was sworn July 18, 1830. By the terms of this charter, the legislative power is in a Parliament, composed of two Houses, the Senate and the Chamber of Representatives, which meet in annual session, extending from February 15 to July 15. In the interval of the session, a permanent committee of two senators and five members of the Lower House assume the legislative power, as well as the general control of the administration. The representatives are chosen for three years, in the proportion of 1 to every 3,000 inhabitants of male adults who can read and write. The senators are chosen by an Electoral College, whose members are directly elected by the people; there is one senator for each department, chosen for six years, one-third retiring every two years. There are (1893) 69 representatives and 19 senators.

The executive is given by the Constitution to the President of the Republic, elected for the term of four years.

*President of the Republic.*—*J. Idiarte Borda*, for the term from March, 1894, to 1898.

The President is assisted in his executive functions by a council of ministers divided into five departments, namely, that of the Interior, Foreign Affairs, Finance, War and Marine, and the department of Worship, Justice, and Public Instruction.

### Area and Population.

The area of Uruguay is estimated at 72,110 English square miles, with a population, in 1892, of 728,447, which, it is stated, to allow for omissions, should be increased by 6 per cent., the total estimated population being thus 772,153. The estimated population in 1879 was 438,245. No regular census has ever been taken. The country is divided into 19 departments, of which 6 have been formed since 1880.

The following table shows the estimated area and population of the various provinces :—

Departments	Area, square miles	Estimated Population 1892	Population per square mile
Montevideo . . . . .	256	238,080	933·9
Canelones . . . . .	1,833	66,749	36·4
Colonia . . . . .	2,192	37,162	16·9
Soriano . . . . .	3,560	33,269	9·3
San José . . . . .	2,687	30,214	11·2
Flores . . . . .	1,744	14,106	8·8
Florida . . . . .	4,673	29,915	6·4
Rocha . . . . .	4,280	22,767	5·3
Maldonado . . . . .	1,584	20,034	12·6
Cerro-Largo . . . . .	5,753	26,489	4·6
Minas . . . . .	4,844	24,267	5·0
Treinta y Tres . . . . .	3,686	17,773	4·8
Salto . . . . .	4,863	33,567	6·9
Artigas . . . . .	4,392	17,866	4·0
Durazno . . . . .	5,525	27,044	4·9
Paysandú . . . . .	5,115	30,507	5·9
Rio Negro . . . . .	3,269	15,713	4·7
Tacuarembó . . . . .	8,074	25,838	3·2
Rivera . . . . .	3,790	17,087	4·5
Total . . . . .	72,110	728,447	10·1

On January 1, 1894, the population was estimated at 787,053.

Of the population 52 per cent. are male, and 48 per cent. female. Seventy per cent. of the population is native-born. Of the remainder the greater number are Spaniards, Italians, French, Brazilians, and Argentines. The number of English and Germans is small. The Spaniards and French are mostly Basques.

The Department of Montevideo in 1889 had a population of 114,322 natives and 100,739 foreigners. The city, in December, 1893, had 225,662 inhabitants.

The following table gives the number of births, deaths, and marriages for five years :—

Years	Total Births	Still-Births	Marriages	Deaths	Surplus of Births over Deaths
1889	27,501	520	4,175	12,362	14,619
1890	28,600	701	4,082	14,473	13,426
1891	29,423	727	3,524	12,419	16,277
1892	28,743	659	3,390	12,663	15,421
1893	28,119	731	3,394	13,282	14,837

Of the total births in 1892, 5,934 or 21·1 per cent. were illegitimate. In the department of Montevideo 955 or 13·7 per cent. of the births were illegitimate.

In 1873 the number of immigrants was 243,391; in 1875, 5,298. For five years the figures were :—

—	1888	1889	1890	1891	1892
Immigrants .	16,581	27,349	24,117	11,916	11,871
Emigrants .	7,601	10,658	19,852	19,809	8,827

Of the immigrants in 1892, 4,966 were Italian; 2,097 Spanish; 923 Brazilian; 555 French; 271 German; and 201 English.

### Religion.

The Roman Catholic is the State religion, but there is complete toleration. In November, 1889 (census), there were in the Department of Montevideo 179,468 Catholics, 10,982 Protestants, and 23,911 not declared, &c.

### Instruction.

Primary education is obligatory. There were in 1892 491 public elementary schools, with 879 teachers, of whom 591 were female, and 45,953 enrolled pupils. The number of private schools was 413, with 948 teachers and 21,056 pupils. In 1892 the cost of primary education defrayed by the State was 658,276 dollars. There are at Montevideo a university and other establishments for secondary and higher education. In 1892 the university had 74 professors and 781 students. The normal school for girls gave teaching certificates to 143 students in the years 1887-91. A normal school for males has recently been formed. There is a school of arts and trades supported by the State where 163 pupils receive instruction gratuitously. At the military college, with 8 professors, there are 61 pupils between the ages of 14 and 18. There are also many religious seminaries throughout the Republic with a considerable number of pupils.

The national library contains over 22,000 volumes and more than 2,500 manuscripts, maps, &c. There is also a national museum, with more than 33,490 objects. Ninety-seven newspapers and periodicals are published, 91 in Spanish, 2 in English, 2 in Italian, 2 in Portuguese, and 1 each in German and French.

### Finance.

The revenue and expenditure for five years were:—

—	1888-89	1889-90	1890-91	1891-92	1892-93
	Dollars	Dollars	Dollars	Dollars	Dollars
Revenue	15,690,294	17,415,154	14,925,363	14,035,821	17,348,130
Expenditure	13,811,308 <sup>1</sup>	—	15,246,175 <sup>1</sup>	—	15,024,334

<sup>1</sup> Estimates.

The chief source of revenue in 1892-93 was customs duties, the receipts from which amounted to 8,598,833 dollars. From direct taxes the revenue was 1,730,924 dollars, and from stamps, 1,408,354 dollars. The chief items of expenditure are the cost of the public debt, amounting in 1892-93 to 5,169,108 dollars; administration, 3,377,450 dollars; public force, 2,314,395 dollars. The budget, which has been in force since July 1, 1893, estimates the expenditure at 13,647,906 dollars, of which 4,817,569 dollars is for the public debt, 2,213,694 dollars for the Interior, 1,730,488 dollars for War, 953,346 dollars for Industry and Public Works, 832,026 dollars for Finance, 904,166 dollars for railway guarantee, and 1,308,339 dollars for the pension list. The municipality of the capital, which has its own budget, is not included in these estimates.



The public debt on December 31, 1892, according to the official returns, was 104,072,739 dollars. On June 30, 1893, it was stated to be 103,820,489 dollars, made up as follows :

	Dollars
Consolidated . . . . .	90,561,950
International . . . . .	1,721,875
Internal, unified . . . . .	7,482,186
Guarantee and Railway debts . . . . .	4,054,478
<b>Total</b> . . . . .	<b>103,820,489</b>

The total debt of the Republic is (at 47 dollars = 1L) equivalent to 22,143,136L., and the service of the debt costs 4,917,718 dollars, or 1,046,320L. annually.

The total value of the real property of the Republic in 1892 was 271,308,531 dollars.

Of this the department of Montevideo is credited with 129,332,000 dollars, the next richest provinces being Paysandu and Salto with 13,967,000 and 12,118,000 dollars respectively.

The revenue of the municipality of Montevideo for 1893-94 was estimated at 894,680 dollars, and expenditure at 931,587 dollars.

### Defence.

The permanent army of Uruguay is officially reported to consist of 223 officers and 3,221 men, including 4 battalions of infantry, 4 regiments of cavalry, 2 of artillery. There is besides an armed police force of 3,200 men, and an active civilian force of 3,264. The soldiers are armed with Remington rifles, and there are 67 pieces of artillery. In recent years there has been an excessive expenditure for the maintenance of an increased military force. Uruguay has three gunboats and six small steamers, with a complement of 179 officers and men.

### Production and Industry.

The rearing of cattle and sheep is the chief industry of Uruguay. The pastoral establishments in 1890, according to declarations made for fiscal purposes, contained 5,377,315 head of cattle, 363,143 horses, 5,244 mules, and 10,455,170 sheep. The total value of the flocks and herds in Uruguay is estimated at 73,038,000 dollars. In 1892 636,400 head of cattle were slaughtered. In 1891 57,000,000 lbs. of wool were exported. Agricultural industries are said to have advanced recently, in 1892 691,600 acres, and in 1893 910,000 acres being under cultivation ; wheat and maize are the chief products, the wheat yield for 1893 being estimated at 146,000 tons. Tobacco, olives, and the vine are also cultivated. The acquisition of land is facilitated by public companies, through one of which, up to 1891, 52,317 colonists had settled on 183,000 plots. In the northern Departments several gold mines are worked, and silver, copper, lead, magnesium, and lignite coal are found. In the department of Rivera, during the five years 1888-92, the gold yield was 22,754 oz.

### Commerce.

The special trade (merchandise only) was as follows in the last five years :—

	1889	1890	1891	1892	1893
	Dollars	Dollars	Dollars	Dollars	Dollars
Imports . . . . .	36,823,863	32,364,627	18,978,417	18,404,296	19,672,000
Exports . . . . .	25,954,107	29,085,519	26,998,268	25,951,819	27,682,000

The following table shows the value of the trade of Uruguay in 1892 and 1893, with the countries with which she mainly deals:—

Country	1892		1893	
	Imports from	Exports to	Imports from	Exports to
	Dollars	Dollars	Dollars	Dollars
Great Britain . . . . .	5,647,479	4,479,241	6,406,000	3,256,000
France . . . . .	2,259,361	4,410,379	1,953,000	5,627,000
Germany . . . . .	2,091,625	2,006,656	2,146,000	1,564,000
Spain . . . . .	1,774,601	424,737	1,844,000	378,000
Italy . . . . .	2,020,052	367,955	1,995,000	526,000
Brazil . . . . .	1,313,195	4,514,074	1,599,000	5,496,000
United States . . . . .	1,104,772	2,244,398	1,108,000	1,432,000
Belgium . . . . .	835,508	3,164,933	1,084,000	3,530,000
Argentine . . . . .	1,073,476	2,985,304	1,195,000	4,780,000

The following are the various classes of imports for three years:—

—	1891	1892	1893
	Dollars	Dollars	Dollars
Foods and drinks . . . . .	7,379,138	6,878,138	6,805,800
Tobacco . . . . .	273,131	330,601	270,146
Textiles . . . . .	2,561,546	3,113,255	3,893,314
Apparel and haberdashery . . . . .	996,119	1,136,368	1,198,696
Raw materials and machinery . . . . .	3,846,336	4,396,940	4,560,822
Various . . . . .	3,922,148	2,548,994	2,942,858
Total . . . . .	18,978,418	18,404,296	19,671,636

The following are the various classes of exports for three years:—

—	1891	1892	1893
	Dollars	Dollars	Dollars
Living animals . . . . .	1,510,084	1,114,926	710,382
Animal products . . . . .	24,804,823	24,337,741	25,776,952
Agricultural products . . . . .	158,982	136,752	767,971
Other products . . . . .	524,381	362,400	426,064
Totals . . . . .	26,998,270	25,951,819	27,681,369

The following table gives the principal exports for three years:—

Year	Jerked Beef	Extract of Beef	Hides and Skins	Tallow	Wool
	Dollars	Dollars	Dollars	Dollars	Dollars
1891 . . . . .	3,501,000	2,135,000	7,624,000	1,504,000	8,207,000
1892 . . . . .	4,071,176	1,839,979	7,899,962	1,361,135	7,420,295
1893 . . . . .	4,881,000	1,706,000	8,530,000	1,563,000	7,678,000

The imports of gold coin in 1892 amounted to 3,336,508 dollars, and exports to 3,029,311 dollars.

Of the total imports in 1892, 17,231,102 dollars passed through Montevideo, and 16,572,908 dollars exports.

The commercial intercourse of Uruguay with the United Kingdom is exhibited in the following tabular statement, according to the Board of Trade Returns for each of the last five years:—

—	1889	1890	1891	1892	1893
Imports into U. K. from Uruguay	£ 450,531	£ 341,208	£ 374,261	£ 288,307	£ 131,362
Exports of British produce to Uruguay	2,408,389	2,043,106	1,165,052	1,280,829	1,499,030

The chief articles of import from Uruguay into the United Kingdom in 1893 were hides, of the value of 5,623*l.*; tallow, 13,528*l.*; preserved meat, 39,462*l.*; drugs, 13,455*l.*; wheat, 9,961*l.*; wool, 9,367*l.* The exports from the United Kingdom into Uruguay were cotton goods, value 624,464*l.*; woollens, 207,984*l.*; coal, 124,365*l.*; iron, wrought and unwrought, 78,074*l.*; and machinery, 32,652*l.*

### Shipping and Communications.

In 1894 Uruguay had 24 steamers of a total gross tonnage of 17,056 tons, and 18 sailing vessels of a total net tonnage of 3,270 tons.

There entered at the port of Montevideo in 1893 from abroad 1,078 sea-going vessels of 1,503,527 tons, and cleared 856 vessels of 1,281,635 tons. In the river and coasting trade there entered 3,096 vessels of 1,528,210 tons, and cleared 3,337 vessels of 1,713,176 tons.

There are (1893) 974 English miles of railway open for traffic, and 140 miles under construction. There are 89 miles of tramway in operation. The principal telegraph lines in operation in 1893 were of a total length of 3,904 miles, of which 974 miles belonged to the railways. There were 76 offices (in 1892), and 224,267 telegrams were conveyed.

In 1893 the post office transmitted 7,675,709 letters, 123,585 post-cards, and 17,998,170 printed papers and other packets. There were 482 post-offices.

### Money and Credit.

Consequent on free financial speculation in the years 1887–1889, when banking, building, tramway, agricultural, and other companies were multiplied and extravagant schemes undertaken, a commercial crisis followed. In 1890 the National Bank was closed and the Public Works Company was ruined. In 1891 the English Bank of the River Plate collapsed and other banks went into liquidation. In July, 1892, the paper money in circulation was 2,388,000 dollars; the metallic reserves declared by the banks were 7,579,782 dollars; the monetary circulation was estimated to be under 5,000,000 dollars; while the whole stock of metallic and paper money in the Republic was estimated at about 20,000,000 dollars. In 1892 the coinage of 3,000,000 dollars in silver was authorised by law. Of this amount 1,000,000 dollars have been coined and are now in circulation.

## Money, Weights, and Measures.

### MONEY.

The silver *Peso*, or *Dollar*, of 100 centavos. Approximate value, 4s. 3d. ; £1 = 4·70 dollars. The Government has been authorised to coin one-peso silver pieces, nine-tenths fine, weighing 20 grammes (4·72 pesos = £1). The circulation of foreign silver money is now prohibited, but the only gold coins that have legal currency are foreign.

### WEIGHTS AND MEASURES.

The <i>Quintal</i>	=	101·40 lbs	avoirdupois.
„ <i>Arroba</i>	=	25·35	„ „
„ <i>Fanega</i>	=	30	gallons.
„ <i>Cuadra</i> of land	=	·73	hectare = 1·8 English acre.
„ <i>Square league</i>	=	10 $\frac{1}{2}$	English square miles.

The metric system has been officially adopted, but is not in general use.

## Diplomatic and Consular Representatives.

### 1. OF URUGUAY IN GREAT BRITAIN.

*Minister and Envoy*.—Dr. Alberto Nin.

*Secretary and Chargé d'Affaires (ad int.)*.—Alfonso de Zamaran.

### 2. OF GREAT BRITAIN IN URUGUAY.

*Minister and Resident Consul-General*.—Walter Baring, appointed June, 1893.

*Consul*.—Alfred Grenfell.

## Statistical and other Books of Reference concerning Uruguay.

- Agrícola Estadística de la República en el año 1893. Montevideo.  
 Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions in the year 1893. Imp. 4. London, 1894.  
 Anuario estadístico de la República Oriental del Uruguay. Montevideo, 1894.  
 Bello (L. C.), Anuario demográfico de la R. O. del Uruguay, for 1893. Montevideo, 1894.  
 Comercio exterior de la República Oriental del Uruguay, 1893. Montevideo, 1894.  
 Diario oficial. 1894.  
 Foreign Office Reports. Annual Series. 8. London.  
 La República Oriental del Uruguay. Por Ramon Lopez Lomba. Montevideo, 1884.  
 Roustan (Honoré), and Pena (C. M. de), La República Oriental del Uruguay en la Exposición Universal Colombiano de Chicago. Montevideo, 1893.  
 The Uruguay Republic: Territory and Conditions. Reprinted by authority of the Consul-General of Uruguay. London, 1888.  
 Bauza (Francisco), Historia de la dominación española en el Uruguay. Montevideo 1880.  
 Mulhall (M. G. and E. T.), Handbook of the River Plate. 8. London, 1885.  
 Murray (Rev. J. H.), Travels in Uruguay, S. America. 8. London, 1871.  
 Palgrave (W. G.), Ulysses [chapter entitled 'From Montevideo to Paraguay']. 8. London, 1887.  
 Rumbold (Sir H.), The Great Silver River. London, 1888.  
 Vincent (Frank), Round and About South America. New York, 1890.

## VENEZUELA.

(ÉTADOS UNIDOS DE VENEZUELA.)

### Constitution and Government.

THE Republic of Venezuela was formed in 1830, by secession from the other members of the Free State founded by Simon Bolivar within the limits of the Spanish colony of New Granada. The charter of fundamental laws actually in force, dating from 1830, and re-proclaimed, with alterations, on March 28, 1864, and April 1881, is designed on the model of the Constitution of the United States of America, but with considerably more independence secured to provincial and local government. At the head of the central executive government is the President, elected for the term of two years, exercising his functions through six ministers, and a Federal Council of 19 members. The Federal Council is appointed by the Congress every two years; the Council from its own members, choose a President, who is also President of the Republic. Neither the President nor members of the Federal Council can be re-elected for the following period. The President has no veto power. The legislation for the whole Republic is vested in a Congress of two Houses, called the Senate (three senators for each of the eight States and the Federal District), and the House of Representatives (one to every 35,000 of population). The Senators are elected for four years by the Legislature of each State, and the Representatives for a like period by 'popular, direct, and public election.' The Congresses of States are elected by universal suffrage. There are 24 Senators and 52 Representatives. A revised Constitution has been presented, June 1891, by the two Chambers to the Legislative Assemblies of the States for their consideration.

*President of the Republic.*—General *Crespo*.

The provinces, or States, of the Republic have each their own legislature and executive, as well as their own budgets and judicial officers, and the main purpose of their alliance is that of common defence. The administration of the territories and colonies is entrusted to the government of the Federation.

### Area and Population.

‡ Until 1881 Venezuela was divided into twenty-one States and their territories; but in that year a re-division was made into eight large States, each subdivided into sections or districts, corresponding to the old States, besides the Federal District, two national settlements, and eight territories. The following table gives the area and population of each of the new States and territories according to the census of 1891:—

State, &c.	Area square miles	Population, 1891	Population per sq. mile, 1891
Federal District . . . . .	45	89,133	1,980·7
Miranda . . . . .	33,969	484,509	14·2
Carabobo . . . . .	2,984	198,021	60·6
Bermudez . . . . .	32,243	300,597	9·3
Zamora . . . . .	25,212	246,676	9·6
Lara . . . . .	9,296	246,760	26·5
Los Andes . . . . .	14,719	336,146	22·8
Falcon and Zulia . . . . .	36,212	224,566	6·2
Bolivar . . . . .	88,701	50,289	0·6
Territories :			
Goajira . . . . .	3,608	65,990	18·3
Alto Orinoco . . . . .	119,780 } 90,928 }	45,197	0·2
Amazónas . . . . .	166	129	0·1
Colon . . . . .	81,123	22,392	0·2
Yuruari <sup>1</sup> . . . . .	22,564 } 7,046 }	In adjoining States	—
Caura . . . . .	25,347	7,222	0·3
Armisticio . . . . .			
Delta . . . . .			
Total . . . . .	593,943	2,323,527	3·9

<sup>1</sup> Reincorporated with the State of Bolivar in 1891.

There were 1,137,139 males and 1,186,388 females.

According to the census of 1881 the population was 2,075,245. This showed an increase in the population over the census of 1873, of 291,051. The native Indian population in 1890 numbered 326,000, of whom 66,000 independent, 20,000 submitted, 240,000 civilized. In 1889 the number of marriages was 6,705 ; of births 76,187 ; of deaths, 55,218. The immigration (1,555 in 1890) and emigration nearly balance each other. Several contracts made for the introduction of immigrants have not been carried out, and in 1893 only about 1,000 arrived from the Canary Islands.

The population of Carácas, the capital, in 1888 was 70,466 (72,429 in 1891), Valencia 38,654, Maracaibo 34,284, Barquisimeto 31,476, Ciudad de Cura 12,198, Barcelone 12,785, Ciudad Bolivar 11,686, Guanare 10,880.

### Religion and Instruction.

The Roman Catholic is the State religion, but there is toleration of all others, though they are not permitted any external manifestations.

In 1870 education was made free and compulsory ; at that time only 10 per cent. of the adult population were able to read and write. In 1891 there were, for primary instruction, 1,415 Federal and 151 State schools. The number of pupils receiving elementary instruction in 1889 was 100,026. The sum expended in 1890 on Federal schools was 2,503,797 bolivares. Besides these there are 9 barrack schools, 4 normal schools, and one school of arts and trades. Higher education is given in 2 universities, 22 Federal colleges, 11 national colleges for girls, 1 school for fine arts, others for music, 1 polytechnic school, 26 private colleges and 1 nautical school. These institutions

have 436 professors and 4,882 students. The cost of the Federal schools (primary and higher) to the nation in 1890 was 3,345,720 bolivares.

In Carácas is the national library, with 32,000 volumes, and the national museum.

### Justice and Crime.

Justice is administered by the Supreme Federal Court and the Supreme Court of Appeal, by special local courts for civil and criminal cases separately, and by district, borough, and municipal judges.

### Finance.

In the year 1889-90 the revenue amounted to 45,031,225 bolivares (import duties, 33,457,477 bolivares); in 1892-93, revenue 36,724,973 bolivares (import duties, 28,358,210 bolivares). The estimated revenue for 1894-95 was 37,120,000 bolivares, and the expenditure the same. The chief source of revenue is customs, 25,000,000 bolivares; and the chief items of expenditure: Interior, 9,771,488 bolivares; Finance, 4,539,566 bolivares; Public Works, 3,394,080 bolivares; War and Marine, 5,534,255 bolivares; Public Instruction, 3,232,514 bolivares.

The foreign debt, with the unpaid interest of several years, had grown to 10,869,563*l.* in 1878, when the Government resumed the payment of interest. New consolidated bonds were issued to the amount of 4,000,000*l.* (100,100,000 bolivares) on January 1, 1881, in substitution of all pre-existing internal and external bonds; 2,750,000*l.* to represent the external bonds, bearing 3 per cent. for two years, and after that 4 per cent. Up to 1889 the service of the debt did not proceed satisfactorily, but the unification of internal and external debt was accomplished in November, 1889, when the 4 per cent. rate was agreed to.

On March 1, 1894, the amount of the outstanding external debt was 2,656,900*l.*, and two coupons in arrear, 79,779*l.*

The following is an official summary of the Venezuelan debt, Dec. 31, 1893:—

	Bolivares
Internal national consolidated debt . . . . .	39,236,874
External . . . . .	67,147,325
Diplomatic conventions debt . . . . .	4,978,090
Bonds of 1 per cent. per month . . . . .	3,416,672
Total . . . . .	114,778,961

In July, 1894, a new internal debt was contracted, amounting to 20,009,089 bolivares.

### Defence.

In 1893 the army numbered 7,280 officers and men, dispersed in 20 towns of the Republic, and in Federal garrisons and ships.

Besides the regular troops, there is a national militia in which every citizen, from the 18th to the 45th year inclusive, must be enrolled. In times of civil war this force has been increased to 60,000 men. The number of citizens able for military service according to law was 250,000 in 1889.

Venezuela has one iron steamer, the *Augusta*, built in 1884, and three sailing vessels.

### Production and Industry.

The surface of Venezuela is naturally divided into 3 distinct zones—the agricultural, the pastoral, and the forest zone. In the first are grown sugarcane, coffee, cocoa, cereals, &c. ; the second affords runs for cattle ; and in the third tropical products, such as caoutchouc, tonca beans, copaiba, vanilla, growing wild, are worked by the inhabitants. All lands within the bounds of the Republic without a lawful owner (corporate or private) are considered public lands, and are managed by the Federal executive, who, under certain regulations, have power to sell or to make grants therefrom for the purpose of agricultural or mining settlements or to properly certified immigrants, in the proportion of 2½ acres to every member of the family.

The following table shows the extent, in square miles, of the public and private land in 1891 :—

Zone	Public Land	Private Land	Total
Agricultural . . . . .	87,236	47,626	134,862
Pastoral . . . . .	57,900	98,430	156,330
Forest . . . . .	298,273	4,700	302,973
Total . . . . .	443,409	150,756	594,165

One-fifth of the population is engaged in agriculture. In 1888 there were in Venezuela 8,476,300 cattle, 5,727,500 sheep and goats, 1,929,700 swine, 387,650 horses, 300,560 mules, and 858,970 asses.

Venezuela is rich in metals and other minerals. Gold is found chiefly in the Yuruari Territory. The quantity sent from that district in 1884 was 233,935 oz. ; in 1885 172,037 oz. ; in 1886, 217,135 oz. ; in 1887, 95,352 oz. ; and in 1888, 71,594 oz. ; in 1889, 88,834 oz. ; in 1890, 85,531 oz. ; in 1891, 49,050 oz. ; in 1892, 46,560 oz. ; in 1893, 47,950 oz. There are silver mines in the States of Bermudez, Lara, and Los Andes. Copper and iron are abundant, while sulphur, coal, asphalt, lead, kaolin, and tin are also found. The salt mines in various States, under Government administration, produced in 1889-90 a revenue of 1,478,904 bolivares. The total value of the mineral products in 1886 was estimated at 28,560,500 bolivares (gold 24,070,320 bolivares, and copper 4,124,114 bolivares).

### Commerce.

Nearly six-sevenths in value of the imports are subject to duty. The following table shows the progress of Venezuela commerce in bolivares :—

—	1873-74	1887-88	1888-89	1889-90	1892-93
Imports . . . . .	61,717,183	78,963,288	81,372,256	83,614,411	—
Exports . . . . .	73,918,122	90,210,000	97,271,306	100,917,338	86,420,615

The trade of Venezuela is mostly with Great Britain and the West Indies, the United States, France, Germany, and Colombia. In the year 1892-93 the chief exports from Caracas were coffee, 67,296,350 bolivares ; cocoa, 8,584,176 bolivares ; hides and skins, 3,731,868 bolivares ; while other exports were cattle (9,955 in number, valued at 969,646 bolivares), caoutchouc,



timber, cocoa-nuts, and copaiba-virgin, and placer gold was exported to the value of 4,168,861 bolivares, and gold and silver coin amounting to 1,009,723 bolivares. In 1889-90 the chief article exported was coffee, valued at 71,167,850 bolivares; next was cocoa, 9,329,396 bolivares; virgin and placer gold and residuum, 8,888,428 bolivares; then hides and skins, 4,728,074 bolivares; cattle, 1,176,000 bolivares.

In 1893 the imports at Puerto Cabello amounted to 30,831,108 bolivares, and the exports to 27,350,394 bolivares.

From Ciudad Bolivar the total exports (including coin and bullion) amounted in 1891 to 9,383,120 bolivares; in 1892 to 7,518,664 bolivares; in 1893 to 9,498,245 bolivares. In 1893 the imports at Ciudad Bolivar amounted to 5,423,108 bolivares, four fifths of which (in value) came from the British West Indies.

In 1892 the exports from La Guaira amounted to 1,090,439*l.* (coffee, 817,069*l.*); and from Maracaibo, besides other merchandise, there were exported 365,186 bags (21,514,647 kilogrammes) of coffee.

The value of the trade between Venezuela and the United Kingdom during the last five years, according to the Board of Trade Returns, was:—

—	1889	1890	1891	1892	1893
	£	£	£	£	£
Imports into United Kingdom from Venezuela .	284,666	308,550	290,997	256,739	89,684
Exports of British produce to Venezuela . . . .	785,424	828,978	821,326	368,915	919,261

The chief article of import from Venezuela into Great Britain in 1893 was copper ore and regulus, of the value of 66,648*l.* In 1880 the cocoa imported into Great Britain was valued at 20,739*l.*; in 1890, 4,782*l.*; in 1892, 5,576*l.*; in 1893, 686*l.*; coffee in 1880 was 15,553*l.*; in 1890, 1,735*l.*; in 1892, 2,471*l.*; in 1893, 4,399*l.*; furniture wood, in 1893, 6,645*l.* The exports from Great Britain to Venezuela comprise cotton and linen manufactures, the former of the value of 607,387*l.*, and the latter of 54,502*l.*, in the year 1893; besides woollens, 67,551*l.*; jute goods, 36,706*l.*; iron, wrought and unwrought, 34,194*l.*; machinery, 12,128*l.*

### Shipping and Communications.

In 1893, 63 vessels of 21,791 tons (5 of 4,140 tons British) entered, and 72 of 24,125 tons (5 of 4,140 tons British) cleared at the port of Ciudad Bolivar.

Venezuela had in 1894 8 steamers, with total gross tonnage of 2,439 tons, and 6 sailing vessels, with total net tonnage of 847 tons.

There are (1894) 385 miles of railway in operation, and 1,000 miles under consideration. In 1889-90 there were conveyed 6,071,365 letters and parcels inland; and 343,936 abroad. In 1893 there were 179 post-offices. In 1880 Venezuela joined the General Postal Union. In 1893 there were 3,833 miles of telegraph lines and 113 telegraph offices; 206,921 telegrams were sent in 1893; expenses, 1,054,163 bolivares. In 1893 one company had in use 776 telephone instruments, and had 2,097 subscribers, while another company has established connections between various centres.

### Money, Weights, and Measures.

The <i>Venezolano</i> , of 100 <i>Centavos</i> .	approximate value, 3s. 4d.
„ <i>Bolívar</i> . . . . .	„ „ 1 fr.

Venezuela has the Latin Union system of coinage with nominally a double standard of value, gold and silver, the ratio being  $15\frac{1}{2}$  to 1. In 1893, 2,000,000 bolívars in silver (for the coinage of which a decree had been issued) were introduced from France.

The <i>Libra</i> . . . . .	= 1·014 lb. avoirdupois.
„ <i>Quintal</i> . . . . .	= 101·40 lbs. „
„ <i>Arroba</i> . . . . .	= 25 35 „

The above are the old weights and measures in general use, but the legal ones are those of the metric system.

### Diplomatic and Consular Representatives.

#### 1. OF VENEZUELA IN GREAT BRITAIN.

*Consul-General*.—Dr. Elias Rodriguez.

*Consul*.—N. G. Burch.

There are Consular representatives at Cardiff, Dundee, Glasgow, Grimsby, Liverpool, Manchester, Southampton, Birmingham, Nottingham, Swansea, Cape Town, Jamaica, Melbourne, Montreal.

#### 2. OF GREAT BRITAIN IN VENEZUELA.

*Minister and Consul-General*.—[Diplomatic relations suspended December 1887.]

There are Consular representatives at Carácas, Bolívar, La Guayra, Maracaibo, Puerto Cabello.

### Statistical and other Books of Reference concerning Venezuela.

#### 1. OFFICIAL PUBLICATIONS.

Annual Statement of the Trade of the United Kingdom with Foreign Countries for the year 1893. 4. London, 1894.

Foreign Office Reports, Annual Series. 8. London.

Reports by Colonel Mansfield on the Trade, Commerce, and General Material Condition of Venezuela in 1883, in 'Reports from H.M.'s Diplomatic and Consular Agents Abroad.' Part I. Folio. London, 1885.

Segundo censo de la República. Carácas, 1881.

Statistical Annuary of the United States of Venezuela. Carácas, 1893.

Venezuela Bulletin No. 34 of the Bureau of American Republics. Washington, 1892.

#### 2. NON-OFFICIAL PUBLICATIONS.

*Appun* (C. F.), Unter den Tropen. Vol. I. Venezuela. 8. Jena, 1871.

*Bates* (H. W.), Central and South America. London, 1882.

*Dance* (C. D.), Four Years in Venezuela. 8. London, 1876.

*Eastwick* (Edward), Venezuela, or Sketches of Life in a South American Republic; with a History of the Loan of 1864. 8. London, 1868.

*Ernst* (Dr. A.), Les produits de Vénézuéla. 8. Bremen, 1874.

*Macpherson* (T. A.), Vocabulario historico, geographico, &c., del Estado Carabobo. 2 pts. 4. Carácas, 1890-91. Diccionario historico, geographico, estadistico, &c., del Estado Miranda. 8. Carácas, 1891.

*Meulemans* (Auguste), La république de Vénézuéla. 8. Bruxelles, 1872.

*Mombello* (G. Orsi de), Venezuela y sus Riquezas. 8. Carácas, 1890.

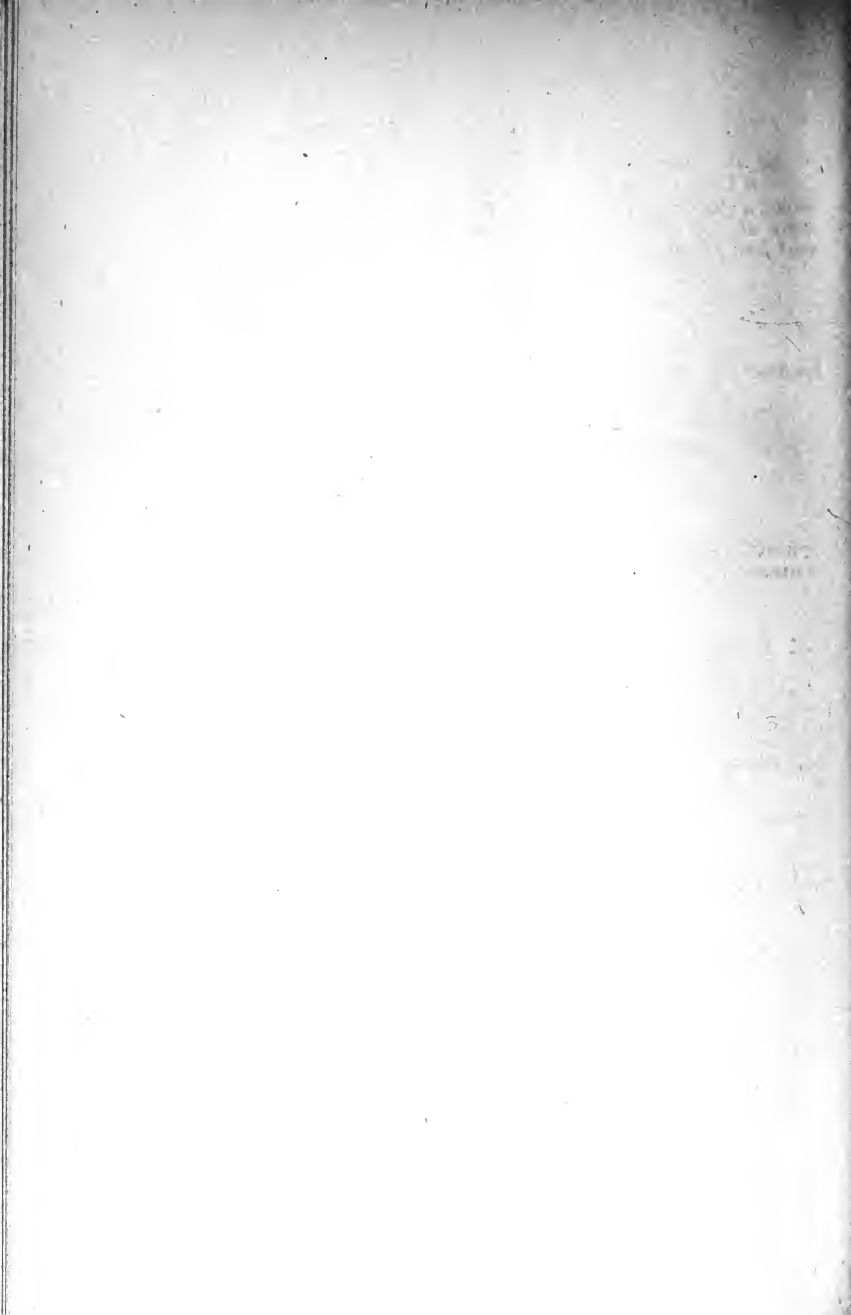
*Spence* (J. M.), The Land of Bolívar: Adventures in Vénézuéla. 2 vols. 8. London, 1878.

*Thirion* (C.), Les états-unis de Venezuela. 8. Paris, 1867.

*Tejera* (Miguel), Venezuela pintoresca é ilustrada. 8. Paris, 1875.

*Tejera* (Miguel), Mapa fisico y politico de los Estados Unidos de Venezuela. Paris, 1877

# INDEX



# INDEX

## AAC

- A ACHEEN**, 538, 614  
**Aalborg**, 452  
**Aarhaus**, 452  
**Abaco** (Bahamas), 227  
**Abbas**, Khedive, 1038  
**Abdul-Hamid II.**, 1011  
**Abdur Rahmán Khán**, 313  
**Aberdeen**, 22; **University**, 34  
**Aberystwith College**, 34  
**Abo**, 863  
**Abomey**, 321  
**Abyssinia**, 715  
**Accra**, 196  
**Acklin's Island**, 227  
**Adamawa**, 192  
**Adana**, 1017  
**Adelaide**, 277; **University**, 278  
**Aden**, 100  
**Adolf**, Grand Duke of Luxemburg, 736  
**Adrar**, 754, 959  
**Adrianople**, 1016, 1017  
**Afghanistan**, area, 313  
 — **army**, 314  
 — **books of reference**, 316  
 — **currency**, 316  
 — **exports**, 315  
 — **government**, 313  
 — **horticulture**, 315  
 — **imports**, 315  
 — **justice**, 314  
 — **land cultivation**, 314  
 — **manufactures**, 315  
 — **mining**, 315  
 — **origin of the Afghans**, 313  
 — **population**, 314  
 — **reigning sovereign**, 313  
 — **revenue**, 314  
 — **trade**, 315  
**Africa**, **British Central**, 178  
 — — **East**, 180  
 — — **South**, 193  
 — **central independent states**, 317  
 — **colonies in**, **British**, 166  
 — — **French**, 507, 510  
 — — **German** 568

## ALG

- Africa**, **colonies in**, **Italian**, 714  
 — — **Portuguese**, 841  
 — — **Spanish**, 959  
 — — **the trade of in 1892**, xxx.  
 — (**West**), **British colonies**, 196  
**African Association (Limited)**, 191  
**Agra**, 125  
**Agram**, 344; **University**, 347  
**Aguascalientes**, 739  
**Ahmadabad**, 125  
**Aitutaki Island**, 310  
**Akassa**, 192  
**Akkerman**, 863  
**Albany**, 1071  
**Albert**, **King (Saxony)**, 630  
**Albert**, **Prince (Monaco)**, 748  
**Albrecht**, **Prince (Brunswick)**, 586  
**Albury (N.S.W.)**, 242  
**Aldabra Island**, 185  
**Alderney**, **population**, 26  
**Aleppo**, 1017  
**Alessandria**, 682  
**Alexander I. (Serbia)**, 925  
**Alexandria**, 1042  
**Alexandropol**, 863  
**Alfonso XIII. (Spain)**, 944  
**Alfred**, **Duke (Saxe-Coburg and Gotha)**, 625  
**Algeria**, **agriculture**, 512  
 — **area**, 511  
 — **books of reference**, 514  
 — **commerce**, 513  
 — **crime**, 511  
 — **defence**, 512  
 — **exports**, 513, 514  
 — **finance**, 512  
 — **government**, 510  
 — **imports**, 513, 514  
 — **industry**, 512  
 — **instruction**, 511  
 — **mining**, 512  
 — **money, weights, and measures**, 514  
 — **population**, 511  
 — **railways**, 514  
 — **religion**, 511

## ALG

Algeria, shipping, 514  
 — telegraphs, 514  
 Algiers, 511  
 Allahabad, 125 ; University, 127  
 Alleghany, 1071  
 Alost, population, 380  
 Alsace-Lorraine, agriculture, 574  
 — area, 573  
 — constitution, 572  
 — finance, 574  
 — instruction, 573  
 — justice and crime, 573  
 — manufactures, 574  
 — mining, 574  
 — poor-relief, 573  
 — population, 573  
 — production and industry, 574  
 — railway, 574  
 — religion, 573  
 — representatives in the Bundesrath,  
 533  
 Altona, 538, 614  
 Ambriz, 841  
 America, British colonies in, 203,  
 French colonies in, 507, 527  
 — Spanish colonies in, 959  
 Amiens, 475  
 Amritsar, 125  
 Amsterdam, 765  
 — Island, 521  
 Ancona, 682  
 Andaman Islands, 157  
 Andidjan, 863  
 Andorra, 505  
 Andros Island, 227  
 Angers, 475  
 Angola, 841  
 Anghora, 1016, 1017  
 Angra Pequena, 570  
 Anguilla, 230, 231, 232  
 Anhalt, area, 574  
 — constitution, 574  
 — finance, 576  
 — population, 574  
 — reigning duke, 574  
 Annabon, 959  
 Annam, area and population, 508,  
 509  
 Antanánarivo, 517  
 Antigua, 230, 232-234  
 Antipodes Islands (N.Z.), 269, 309  
 Antwerp, population, 380  
 Aquila, 682  
 Arab ports (Persia), 814

## ATH

Arad, 344  
 Aral Lake, 860  
 Archipelago, 1016  
 Arequipa, 819  
 Arezzo, 682  
 Argentine Republic, agriculture, 327  
 — area, 323  
 — army, 326  
 — banks, 331  
 — books of reference, 331  
 — cattle industry, 327  
 — commerce, 327  
 — constitution, 322  
 — currency and credit, 330  
 — defence, 326  
 — diplomatic representatives, 331  
 — emigration, 324  
 — exports, 327-329  
 — finance, 325  
 — government, 322  
 — — local, 322  
 — immigration, 324  
 — imports, 327-329  
 — instruction, 324  
 — justice, 324  
 — land under cultivation, 327  
 — money, weights, and measures, 331  
 — navy, 326  
 — population, 323  
 — posts and telegraphs, 330  
 — president, 322  
 — production and industry, 327  
 — railways, 330  
 — religion, 324  
 — revenue and expenditure, 325  
 — shipping and navigation, 329  
 Argos, 649  
 Arnhem, 765  
 Arolsen, 637  
 Aruba Island, 793  
 Asaba, 192  
 Ascension Island, 166  
 Ascoli Piceno, 682  
 Asia, British colonies in, 100  
 — French colonies in, 507, 508  
 — Portuguese colonies in, 841  
 — Russian dependencies in, 912*d*  
 — Spanish colonies in, 959  
 Assab, 715  
 Assumption Island, 185  
 Aston Manor, 19  
 Astrakhan, 863  
 Asuncion, 805  
 Athens, 649

## ATJ

- Atjeh (Sumatra), 784  
 Atlanta, 1071  
 Atui Island, 310  
 Auckland Islands, 269  
 Auckland, N.Z., 256, 257  
 — trade, 267  
 — University College, 258  
 Augsburg, 583  
 Australasia and Oceania, 235  
 — French colonies in, 528  
 Australasian federation, 307  
 — books of reference, 308  
 Australian defence, 307  
 Austria-Hungary, agriculture, 358  
 — area, 340  
 — banks, 368, 370  
 — births, deaths, and marriages, 343  
 — books of reference, 372  
 — commerce, 363  
 — constitution, 335  
 — currency and credit, 368  
 — customs valuation, 363  
 — debt, 353  
 — defence, frontier, 354  
 — — army, 355  
 — — navy, 356  
 — diplomatic representatives, 371  
 — emigration, 344  
 — exports, 363-365  
 — finance, 349  
 — forestry, 360  
 — government, 335  
 — — central (Austria), 336 ; (Hungary), 339  
 — — local (Austria), 338 ; (Hungary), 340  
 — — provincial (Austria), 338 ; (Hungary), 339  
 — imports, 363-365  
 — instruction, 346  
 — justice and crime, 348  
 — manufactures, 362  
 — mining, 361  
 — ministry, 336 ; (Austria), 337 ; (Hungary), 339  
 — money, weights, and measures, 370  
 — occupation of the people, 342  
 — pauperism, 349  
 — population, 340  
 — posts and telegraphs, 367  
 — railways, 367  
 — reigning sovereign, 333  
 — religion, 344  
 — revenue and expenditure, 351-353

## BAR

- Austria-Hungary, rivers and canals, 366  
 — royal family, 333  
 — schools, &c., 346-348  
 — sea fisheries, 362  
 — shipping and navigation, 365  
 — sovereigns since 1282, 334  
 — towns, 344  
 — universities, 347  
 Avellino, 682  
 Avignon, 475  
 Azores, 831  
 Azov, Sea of, 860

- B**ADEN, agriculture, 579  
 — area, 577  
 — constitution, 577  
 — finance, 579  
 — instruction, 578  
 — manufactures, 580  
 — navigation, 580  
 — population, 577  
 — production and industry, 579  
 — railways, 580  
 — reigning grand-duke, 576  
 — religion, 578  
 — royal family, 576  
 — towns, 578  
 Bagamoyo, 570  
 Bagdad, 1016, 1017  
 Bagirmi, 318-319  
 Bahamas, 227, 232-234  
 Bahía, 401  
 Bahour, 508  
 Bahr-el-Gazal (Sudan), 320  
 Bahrein Islands, 100  
 Baku, 863  
 Bali, 784  
 Ballarat, 292  
 Balta, 863  
 Baltic (provinces of Russia), 858  
 Baltimore, 1071  
 Baluchistan, 154  
 Banang (Philippines), 961  
 Banca (E. I.), 784  
 Bangalore, 125  
 Bangor College, 34  
 Banjarluka, 372  
 Barbados, 227, 232, 233, 234  
 Barbuda, 230  
 Barcelona, 949  
 Barcelone, 1110  
 Bareilly, 125  
 Bârfurush, 811

## BAR

Bari, 682  
 Barmen, 538, 614  
 Baroda, 121, 125  
 Barquisimeto, 1110  
 Barranquilla, 434  
 Barrow-in-Furness, 19  
 Basel, 1000 ; University, 1001  
 Basseterre, 231  
 Bassora, 1016  
 Basutoland, 166  
 Batanga (W. Africa), 568  
 Batavia, 785  
 Bath, 19  
 Bathurst (Gambia), 197  
 Bathurst (N.S.W.), 242  
 Batum, 863  
 Bautzen, 633  
 Bavaria, agriculture, 586  
 — area, 582  
 — army, 585  
 — beer brewing, 586  
 — births, marriages, and deaths, 584  
 — constitution, 581  
 — emigration, 583  
 — finance, 585  
 — government, 581  
 — instruction, 584  
 — justice and crime, 584  
 — mining, 586  
 — pauperism, 584  
 — population, 582  
 — railways, 586  
 — regent, 580  
 — reigning king, 580  
 — religion, 584  
 — royal family, 580  
 — towns, 583  
 Beaconsfield (Cape Colony), 171  
 Bechuanaland, 167, 168  
 Bedford College, London, 35  
 Belem, 401  
 Belfast, 25 ; Queen's College, 34  
 Belgium, agriculture, 385  
 — area, 378  
 — army, 384, 385  
 — births, deaths, and marriages, 379  
 — books of reference, 393  
 — Chamber of Representatives, 377  
 — commerce, 387  
 — constitution, 376  
 — currency and credit, 391  
 — customs valuation, 388  
 — debt, 384  
 — defence, 384

## BID

Belgium, diplomatic representatives, 392  
 — emigration, 379  
 — exports, 387, 389  
 — finance, state, 383 ; local, 384  
 — frontier, 384  
 — government, 376  
 — — local, 378  
 — immigration, 379  
 — imports, 387, 389  
 — instruction, 380  
 — justice and crime, 382  
 — mining and metals, 386  
 — ministry, 377  
 — money, weights, and measures, 392  
 — occupation of the people, 379  
 — pauperism, 382  
 — population, 378  
 — posts and telegraphs, 391  
 — railways, 390  
 — reigning king, 375  
 — religion, 380  
 — revenue and expenditure, 383  
 — royal family, 375  
 — schools, &c., 381  
 — Senate, 376  
 — shipping and navigation, 390  
 — towns, 380  
 — universities, 381  
 Belgrade, 927  
 Belluno, 682  
 Benares, 125  
 Bendery, 863  
 Bendigo, 292  
 Benevento, 682  
 Bengal, province, government, 118  
 Benghazi, 1017  
 Benguela, 841  
 Benkulen (E.I.), 784  
 Berbera, 100, 320  
 Berbice, 222  
 Berdicheff, 863  
 Bergamo, 682  
 Bergen, 983  
 Berlin, 538, 614 ; University, 541  
 Bermudas, 203 ; troops at, 97  
 Berne, 1000 ; University, 1001  
 Besançon, 475  
 Bessemer steel, 75  
 Beyrouth, 1017  
 Beziers, 475  
 Bhutan, 394  
 Bida, 192



## BIG

Bigha, 1016  
 Bight of Benin settlement, 523  
 Bilbao, 949  
 Billiton (E. I.), 784  
 Birkenhead, population, 19  
 Birmingham, 18 ; College, 34  
 Birni (Central Africa), 318  
 Bismarck Archipelago, 571  
 Bitlis, 1016, 1017  
 Blackburn, population, 19  
 Black Forest, 641  
 Blagoveschensk, 863  
 Blantyre (Africa), 178  
 Blidah, 511  
 Bloemfontein, 801, 804  
 Bluff Harbour shipping, 1893, 267  
 Bobruisk, 863  
 Bogotá, 434  
 Bois-le-Duc, 765  
 Bokhara, 912*d*  
 Bolivia, area, 395  
 — books of reference, 398  
 — commerce, 397  
 — communications, 397  
 — constitution, 395  
 — consular representative, 398  
 — defence, 396  
 — exports, 397  
 — finance, 396  
 — government, 395  
 — imports, 397  
 — industry, 396  
 — instruction, 396  
 — justice, 396  
 — money, weights, and measures, 397  
 — population, 395  
 — production, 396  
 — religion, 396  
 Bologna, 682 ; University, 692  
 Bolton, population, 19  
 Bombay, 125  
 — province, government, 117  
 — University, 127  
 Bonaire Island, 793  
 Bône, 511  
 Bonn University, 541  
 Bordeaux, 475  
 Borgu, 192  
 Borneo, British North, 101  
 — customs valuation, 107  
 — Dutch, 784  
 Bornu, 317  
 Bosnia and Herzegovina, 371  
 Boston, 1071

## BRI

Botosani, 845  
 Boulogne, 475  
 Bounty Islands (N.Z.), 269, 309  
 Bourges, 475  
 Bradford, population, 18  
 Braga, 831  
 Braila, 845  
 Brazil, area, 401  
 — army, 404  
 — births, deaths, and marriages, 402  
 — books of reference, 408  
 — commerce, 405  
 — constitution, 399  
 — currency and credit, 407  
 — debt, 404  
 — defence, 404  
 — diplomatic representatives, 408  
 — emigration, 402  
 — exports, 405  
 — finance, 403  
 — government, 399  
 — — local, 400  
 — immigration, 402  
 — imports, 405  
 — instruction, 402  
 — justice and crime, 402  
 — money, weights, and measures, 407  
 — navy, 404  
 — population, 401  
 — posts and telegraphs, 407  
 — president, 400  
 — production and industry, 404  
 — railways, 406  
 — religion, 402  
 — revenue and expenditure, 403  
 — shipping and navigation, 406  
 Breda, 765  
 Bremen, area, 587  
 — commerce, 588  
 — constitution, 587  
 — crime, 587  
 — finance, 588  
 — justice, 587  
 — religion, 587  
 — shipping, 588  
 Breseia, 682  
 Breslau, 538, 614 ; University, 541  
 Brest, 475  
 Brest-Litovsk, 863  
 Bridgetown (Barbados), 227  
 Brighton, population, 19  
 Brisbane, 271  
 Bristol, 18 ; College, 34  
 British and Foreign School Society, 35

## BRI

- British Columbia, 207-208  
 — Central Africa, 177  
 — East Africa, 180  
 British East Africa Company, 180  
 British Empire (see Great Britain  
 England, Ireland, Scotland, India,  
 &c.). See also pp. xxx., xxxi.  
 British Guiana, 222  
 — customs valuation, 223  
 — New Guinea, 238  
 — North Borneo, 101  
 — South Africa, 193  
 — West India, 227  
 Brooklyn, 1071  
 Broken Hill (N.S.W.), 242  
 Broussa, 1016-1017  
 Bruges, population, 380  
 Brunei, 102  
 Brünn, 344  
 Brunswick, agriculture, 590  
 — area, 589½  
 — constitution, 589  
 Brunswick, finance, 590  
 — mining, 590  
 — population, 589  
 — production and industry, 590  
 — railways, &c., 590  
 — regent, 588  
 — town, 538, 587  
 Brussels, 380 ; University, 381  
 Bucaramanga, 434  
 Bucharest, 845  
 Buckeburg, 637  
 Budapest, 344  
 — University, 347  
 Buenos Ayres, 324  
 Buffalo, 1071  
 Bulgaria, area, 1033  
 — books of reference, 1036  
 — commerce, 1035  
 — constitution, 1032  
 — currency and credit, 1036  
 — defence, 1034  
 — exports, 1035  
 — finance, 1034  
 — government, 1032  
 — imports, 1035  
 — instruction, 1034  
 — population, 1033  
 — posts and telegraphs, 1036  
 — prince of, 1032  
 — production and industry, 1035  
 — railways, 1036  
 — shipping, 1035

## CAN

- Bulhar, 100  
 Bunder Abbas, 814  
 Bundi (Central Africa), 318  
 Burnley, 19  
 Bury, 19  
 Bushire, 814  
 Byelostok, 863  
 CABACERA (Philippines), 961  
 Cadiz, 949  
 Cagliari, 682 ; University, 692  
 Caen, 475  
 Caicos Island, 229  
 Cairo, 1042  
 Calais, 475  
 Calamata, 649  
 Calcutta, 125 ; University, 127  
 Callao, 819  
 Caltanissetta, 682  
 Cambodia, area and population, 507,  
 509  
 Cambridge (Mass.), 1071  
 Cambridge University, 34  
 Camden (U.S.A.), 1071  
 Camerino University, 692  
 Camerouns, 569  
 Campbell Islands (N.Z.), 269, 309  
 Campofosso, 682  
 Canada, agriculture, 213  
 — area, 207  
 — army, 212  
 — banks, 219, 220  
 — books of reference, 220  
 — commerce, 214  
 — commissioner, 220  
 — constitution, 204  
 — crime, 210  
 — customs valuation, 214  
 — deaths, 208  
 — debt, 212  
 — defence, 212  
 — education, 209  
 — expenditure, 210-212  
 — exports, 214-217  
 — finance, 210  
 — fisheries, 213  
 — government, 204  
 — — provincial, 206  
 — governor-general, 206  
 — House of Commons, 204  
 — immigration, 208  
 — imports, 214-217  
 — instruction, 209  
 — internal communications, 218

## CAN

- Canada, justice and crime, 210  
 — mining, 214  
 — ministry, 206  
 — money and credit, 219  
 — money, weights, and measures, 220  
 — navy, 213  
 — parliament, 204  
 — population, 207  
 — posts and telegraphs, 219  
 — production and industry, 213  
 — Queen's Privy Council, 206  
 — railways, 218  
 — religion, 208  
 — revenue, 210-212  
 — shipping and navigation, 218  
 — troops in, 97  
 Canary Islands, 959  
 Canea, 1017  
 Cannstatt, 642  
 Canterbury (N. Z.), 256  
 — College, Christchurch, 258  
 Cape Coast Castle, 196  
 Cape of Good Hope; area, 170  
 — banks, 176  
 — books of reference, 177  
 — commerce, 174  
 — communications, 176  
 — constitution and government, 168  
 — customs valuation, 174  
 — defence, 173  
 — expenditure and revenue, 172  
 — exports, 174, 175  
 — finance, 172  
 — governor, 169  
 — imports, 174, 175  
 — instruction, 171  
 — justice and crime, 172  
 — money, weights, and measures, 176  
 — pauperism, 172  
 — population, 170  
 — posts and telegraphs, 176  
 — production and industry, 173  
 — railways and tramways, 176  
 — religion, 171  
 — shipping and navigation, 175  
 — troops at, 97  
 Cape Town, 171; University, 171  
 Cape Verde Islands, 841  
 Carácas, 1110  
 Cardenas, 960  
 Cardiff, 19; College, 34  
 Cargados Islands, 185  
 Carlos I. (Portugal), 827  
 Carol I. (Roumania), 844

## CHI

- Caroline Island, 310  
 — Islands, 959  
 Carriacou, 232  
 Cartagena, 434  
 Carthage, 949  
 Casa Blanca, 754  
 Caserta, 682  
 Caspian Sea, 860  
 Castamouni, 1016  
 Castlemaine, 292  
 Castries, S. Lucia, 232  
 Catania, 682; University, 692  
 Catanzaro, 682  
 Caucasus, 859, 861  
 Cawnpur, 125  
 Cayman Islands, 229  
 Celebes, Island of, 784  
 Central Africa (British), 177  
 Cetinje, 750  
 Ceylon, area, 104  
 — banks and books of reference, 108  
 — commerce, 106  
 — communications, 108  
 — constitution and government, 103  
 — defence, 106  
 — dependency (Maldivé Islands), 108  
 — exports and imports, 107  
 — finance, 105  
 — governor, 103  
 — immigration, 104  
 — industry, 106  
 — instruction, 104  
 — justice and crime, 105  
 — money, weights, and measures, 108  
 — pauperism, 105  
 — population, 104  
 — production, 106  
 — religion, 104  
 — shipping, 108  
 — towns, 104  
 — troops in, 97  
 Chagos Islands, 185  
 Channel Islands, area and population,  
 25, 26  
 — government, 14  
 Charleroi, population, 380  
 Charlestown (West Indies), 231  
 Charter (S. Africa), 194  
 Chatham Islands, 268  
 Charlottenburg, 614  
 Chemnitz, 538, 633  
 Cherbourg, 475  
 Chesterfield Islands, 528  
 Chicago, 1071

## CHI

Chieti, 682  
 Chile, area, 411  
 — books of reference, 418  
 — births, deaths, and marriages, 412  
 — commerce, 415  
 — constitution and government, 410  
 — currency and credit, 417  
 — debt, 413  
 — defence, 413  
 — diplomatic representatives, 417  
 — exports, 415-416  
 — finance, 413  
 — government, 410  
 — imports, 415-416  
 — industry, 414  
 — instruction, 412  
 — justice and crime, 412  
 — money, weights, and measures, 417  
 — population, 411  
 — posts and telegraphs, 417  
 — President, 410  
 — railways, 417  
 — religion, 412  
 — revenue and expenditure, 413  
 — shipping and navigation, 416  
 China, area, 420  
 — army, 423, 424  
 — books of reference, 431  
 — commerce, 425  
 — customs valuation, 426  
 — diplomatic representatives, 430  
 — exports 426-428  
 — finance, 423  
 — government, 419  
 — imports, 426-428  
 — instruction, 422  
 — money, weights, and measures, 430  
 — navy, 424  
 — population, 420  
 — post, 429  
 — production and industry, 425  
 — railways, 429  
 — reigning emperor, 419  
 — religion, 421  
 — shipping and navigation, 429  
 — tea, 428  
 Chinde, 179  
 Chios, 1017  
 Christchurch, N. Z., 257 ; College, 258  
 Christian IX. (Denmark), 448  
 Christmas Island, 165, 310  
 Chulalongkorn I. (Siam), 934  
 Cienfuegos, 960  
 Cincinnati, 1071

## COR

Ciudad Bolivar, 1110  
 Ciudad de Cura, 1110  
 Clermont-Ferrand, 475  
 Cleveland (Grover), President, 1059  
 Cleveland, 1071  
 Coban, 658  
 Cochabamba, 395  
 Cochín-China (French), 509  
 Cocos Islands, 165  
 Coimbra, 831 ; University, 833  
 Colima (Mexico), 739  
 Cologne, 538, 614  
 Colombo, 104  
 Colombia, area, 433  
 — books of reference, 438  
 — commerce, 435  
 — constitution, 433  
 — currency and credit, 437  
 — defence, 435  
 — diplomatic representatives, 438  
 — education, 434  
 — exports, 435-436  
 — finance, 434  
 — government, 433  
 — imports, 435-436  
 — money, weights, and measures, 437  
 — Panama Canal, 436  
 — population, 433  
 — posts and telegraphs, 436  
 — production, 435  
 — railways, 436  
 — religion, 434  
 — shipping, 436  
 Columbus, 1071  
 Como, 682  
 Comoro Isles, 507, 521  
 Conakry, 523  
 Concepcion, 806  
 Condamine, 748  
 Congo Independent State, 439  
 — French, 515  
 — Portuguese, 841  
 Connaught, province, population, 23  
 Constantine, 511  
 Constantinople, 1016  
 Cook's Islands, 309  
 Copenhagen, 452 ; University, 453  
 Córdoba, 324, 949  
 Corea, area, 441  
 — books of reference, 443  
 — commerce, 442  
 — defence, 442  
 — finance, 441  
 — government, 441

## COR

## DEN

Corea, instruction, 441  
 — money, 443  
 — population, 441  
 — production, 442  
 — religion, 441  
 Corisco, 959  
 Corfu, 649  
 Cork, 25 ; Queen's College, 34  
 Cosmoledo Islands, 185  
 Costa Rica, area, 444  
 — books of reference, 447  
 — constitution, 444  
 — defence, 445  
 — diplomatic representatives, 447  
 — exports, 445  
 — finance, 445  
 — government, 444  
 — imports, 445  
 — industry and commerce, 445  
 — instruction, 444  
 — justice, 445  
 — money, weights, and measures, 446  
 — population, 444  
 — posts and telegraphs, 446  
 — railways, 446  
 — religion, 444  
 — shipping, 446  
 Courtrai, population, 380  
 Coventry, 19  
 Crab Island (W.I.), 231  
 Cracow University, 347  
 Cradock, 171  
 Crefeld, 538  
 Cremona, 682  
 Crete, 1016  
 Cronstadt, 863  
 Croydon, 19  
 Crooked Island, 227  
 Cuba, 959  
 Cúcuta, 434  
 Cuenca, 462  
 Cuneo, 682  
 Curaçao, 793  
 Cuzco, 819  
 Cyprus, agriculture, 110  
 — area, 109  
 — Commissioner, 109  
 — customs valuation, 110  
 — education, 109  
 — expenditure, 110  
 — exports, 110  
 — imports, 110  
 — justice and crime, 109, 110  
 — legislature, 109

Cyprus, money, 110  
 — municipal councils, 109  
 — population, 109  
 — revenue, 110  
 — shipping, 110  
 — sponge fishery, 110  
 Czernowitz, 344 ; University, 347

## DAHOMÉY, 320

Dakar, 522  
 Damao, 841  
 Damaraland, 570  
 Damascus, 1017  
 Damietta, 1042  
 Dampier Island, 571  
 Daniloograd, 750  
 Danube (province), 641  
 Danzig, 538, 614  
 Dar-es-Salaam, 570  
 Darfur, 319, 320  
 Darmstadt, 595  
 Dayton (U.S.A.), 1071  
 Debreczin, 344  
 Delft, 765  
 Delhi, 125  
 Demerara, 222  
 Denmark, agriculture, 456  
 — area, 451  
 — army, 455  
 — banks, 458  
 — births, deaths, and marriages, 452  
 — books of reference, 460  
 — colonies, 459  
 — commerce, 456  
 — constitution, 449  
 — crime, 453  
 — currency, and credit, 458  
 — debt, 454  
 — defence, 453  
 — diplomatic and other representa-  
   tives, 459  
 — emigration, 452  
 — expenditure and finance, 453  
 — exports, 456-458  
 — government, 450  
 — imports, 456-458  
 — instruction, 453  
 — justice, 453  
 — kings of, since 1448, 449  
 — ministry, 450  
 — money, weights, and measures, 458  
 — navy, 455  
 — occupation of the people, 452  
 — population, 451

## DEN

- Denmark, posts and telegraphs, 458  
 — production and industry, 456  
 — railways, 458  
 — reigning king, 448  
 — religion, 452  
 — revenue, 453  
 — royal family, 449  
 — shipping and navigation, 458  
 D'Entrecasteaux Islands, 238  
 Denver (U.S.A.), 1071  
 Derby, 19  
 Dessau, 575  
 Detmold, 597  
 Detroit, 1071  
 Deutsch-Damaraland, 570  
 Deutsch-Namaland, 570  
 Deventer, 765  
 Devonport, 19  
 Diarbekir, 1016, 1017  
 Diego Garcia Island, 185  
 Diégo-Suarez, 520  
 Dijon, 475  
 Diu, 841  
 Djizak, 863  
 Dominica, 230, 231, 232, 233  
 Dongola, 320  
 Doloo (Bornu), 318  
 Dordrecht, 765  
 Dorpat, 863  
 Dortmund, 614  
 Draa (Northern), 754  
 Drayton, 1071  
 Dresden, 538, 633  
 Dublin, 25 ; University, 34  
 Ducie Island, 309  
 Dudoza Island, 310  
 Duisburg, 614  
 Duku, 192  
 Dulcigno, 750  
 Dunaburg, 863  
 Dundee, 22 ; College, 34  
 Dumedin, N.Z., 257 ; College, 259 ;  
 trade, 267  
 Durban, 187  
 Durham University, 34  
 Dusseldorf, 538, 614  
 Dutch East Indies, agriculture, 788  
 — area, 783  
 — army, defence, and navy, 787  
 — births, deaths, and marriages, 784  
 — books of reference, 794  
 — cinchona culture, 789  
 — coffee culture, 789  
 — commerce, 790

## EGY

- Dutch East Indies, constitution and  
 government, 782  
 — consular representatives, 791  
 — currency and credit, 791  
 — exports and imports, 790  
 — finance, 786  
 — governor-general, 783  
 — instruction, 785  
 — justice and crime, 786  
 — mining, 789  
 — money, weights, and measures, 791  
 — population, 783, 784  
 — posts and telegraphs, 791  
 — production and industry, 788, 789  
 — railways and shipping, 791  
 — religion, 785  
 — revenue and expenditure, 786  
 — sugar culture, 788  
 — tobacco culture, 789  
 Dutch Guiana (Surinam), 792  
 — West Indies, 792  
 — Curaçao, 793  
 — Surinam, 792  
 Dvinsk, 863

- E**AGLE Islands, 185  
 East Africa (British), 180  
 East Indies (Dutch), 782 (see Dutch  
 East Indies)  
 East London (Cape Colony), 171  
 Ecuador, area, 461  
 — banks, 465  
 — books of reference, 466  
 — commerce, 463  
 — constitution, 461  
 — currency and credit, 465  
 — defence, 463  
 — diplomatic representatives, 466  
 — exports and imports, 463  
 — finance, 462  
 — government and population, 461  
 — instruction, 462  
 Ecuador, internal communications,  
 464  
 — justice and crime, 462  
 — money, weights, and measures, 466  
 — President, 450  
 — railways and telegraphs, 465  
 — religion, 462  
 — shipping and navigation, 464  
 — weights and measures, 466  
 Edinburgh, 22 ; University, 34  
 Egypt, agriculture, 1047  
 — area, 1040

## EGY

- Egypt, army, 1046  
 — books of reference, 1055  
 — budgets, 1894, 1895, 1045  
 — commerce, 1048  
 — constitution and government, 1039  
 — debt, 1045  
 — diplomatic representatives, 1055  
 — exports, 1048-1051  
 — finance, 1043  
 — governorships, 1040  
 — imports, 1048-1051  
 — instruction, 1042  
 — justice and crime, 1042  
 — ministry, 1039  
 — money, weights, and measures, 1054  
 — mudiriehs, 1040  
 — population, 1040  
 — posts and telegraphs, 1054  
 — production and industry, 1046  
 — railways, 1054  
 — reigning Khedive, 1038  
 — religion, 1042  
 — revenue and expenditure, 1045  
 — shipping and navigation, 1051  
 — Suez Canal, 1052  
 Egyptian Sudan, 319  
 Ekaterinburg, 863  
 Ekaterinodar, 863  
 Ekaterinoslav, 863  
 Elberfeld, 538, 614  
 El-Fasher (Sudan), 320  
 Elets, 863  
 Eleuthera (Bahamas), 227  
 Elisabethgrad, 863  
 Ellice Islands, 310  
 Elmina, 196  
 El-Obeid (Sudan), 320  
 Elobey, 959  
 Emerald Island, 309  
 England and Wales, agriculture, 66  
*et seq.*  
 — agricultural holdings, 69  
 — area, 14-20  
 — army, 55  
 — banks, chartered, 95  
 — — joint-stock, 96 97  
 — — post-office, 96  
 — — trustee, 96*a*  
 — — births, deaths, and marriages, 26  
 — canals, 91  
 — cities and towns, 18  
 — coal produce, 73  
 — commerce, 80  
 — counties, 16

## FAM

- England and Wales, criminals, 39  
 — education, elementary, 35, 36  
 — — medical, 34  
 — — middle-class, 35  
 — — universities, 34  
 — electorate, 1893, 8  
 — emigration, 27, 28  
 — expenditure, 50  
 — fisheries, 71  
 — illiterates, 8, 33  
 — immigration, 27, 28  
 — imports and exports, 80  
 — income-tax, 48  
 — ironworks, value of, 49  
 — justice and crime, 38  
 — live stock, 67  
 — local government, 12  
 — metropolis, 20  
 — mines, value of, 49  
 — navigation, 89-91  
 — occupation of the people, 20  
 — parliamentary representation, 8  
 — pauperism, 40, 41  
 — police force, 40  
 — population, 14-20  
 — — counties, 16  
 — — metropolis, 20  
 — property assessed, 49  
 — posts and telegraphs, 92-94  
 — railways, 91  
 — — value of, 49  
 — religion, 28  
 — revenue, 50  
 — taxation, imperial, 48-50; local, 52  
 — textile factories, 76  
 — towns and cities, 18  
 — universities, 34  
 Equatorial Province (Sudan), 320  
 Erfurt, 614  
 Eritrea, 714  
 Erlangen University, 541  
 Ernst, Duke (Saxe-Altenburg), 624  
 Ernst Ludwig (Hesse), 594  
 Erzeroum, 1016, 1017  
 Essen, 614  
 Essequibo, 222  
 Europe, British colonies in, 98, 99  
 Esslingen, 642  
 Evora, 831  
 Exuma (Bahamas) 227

**F**ALKLAND ISLANDS, 221  
 — Fall River (U.S.A.), 1071  
 Famagusta, 109

## FAN

- Fanning Island, 310  
 Faure, M. Felix, 467  
 Fazocli (Sudan), 320  
 Ferdinand, Prince (Bulgaria), 1032  
 Fernando Po, 959  
 Ferrara, 682 ; University, 692  
 Fez, 753, 754  
 Fiji, area, 235  
 — births and deaths, 236  
 — books of reference, 238  
 — commerce, 237  
 — communications, 238  
 — constitution and government, 235  
 — customs valuation, 237  
 — exports, 237  
 — finance, 236  
 — imports, 237, 238  
 — instruction and religion, 236  
 — money, weights, and measures, 238  
 — population, 235  
 — production and industry, 236  
 — shipping, 238  
 Finland, 857, 911  
 — agriculture, 912*a*  
 — area, 860  
 — army, 880  
 — banks, 912*c*  
 — births, deaths, and marriages, 861, 912  
 — commerce, 912*b*  
 — exports and imports, 912*b*  
 — finance, 912*a*  
 — government, 857  
 — industry, 912*a*  
 — instruction, 912*a*  
 — mines, 912*b*  
 — money, weights, and measures, 912*c*  
 — pauperism and crime, 912*a*  
 — population, 860, 912  
 — posts and telegraphs, 912*c*  
 — railways, 912*c*  
 — shipping and navigation, 912*c*  
 Finschhafen (W. Pacific), 571  
 Florence, 682  
 Foggia, 682  
 Forlì, 682  
 France, agriculture, 492  
 — area, 471  
 — army, 485-487  
 — banks, 502  
 — births, marriages, and deaths, 474  
 — books of reference, 504  
 — budget, 482  
 — Chamber of Deputies, 468

## FRA

- France, colonies and dependencies, 506 *et seq.*  
 — — trade of, 506  
 — — in Africa, 510  
 — — — America, 527  
 — — — Asia, 508  
 — — — Australasia, 528  
 — — — Oceania, 528  
 — commerce, external, 496  
 — — with United Kingdom, 498  
 — Conseil d'État, 469  
 — constitution, 467  
 — cotton industries, 495  
 — crime, 478  
 — currency and credit, 502  
 — defence, 484  
 — deficits from 1814-1892, 482  
 — departments, 471  
 — diplomatic representatives, 503  
 — emigration, 475  
 — expenditure, 481, 482  
 — exports and imports, 495-499  
 — finance, local, 483  
 — — public property, 484  
 — — state, 480  
 — fisheries, 496  
 — foreigners residing in, 474  
 — fortresses, 485  
 — government, central, 467  
 — — local, 470  
 — illegitimacy, 475  
 — instruction, 477  
 — internal communications, 500  
 — ironclads and cruisers, 489  
 — justice, 478  
 — land defences, 484  
 — live stock statistics, 494  
 — manufactures, 495  
 — mercantile navy, 500  
 — mining and minerals, 494  
 — ministry, 467  
 — money, weights, and measures, 503  
 — national debt, 483  
 — navigation, 500  
 — navy, 488-492  
 — occupation of the people, 474  
 — Paris, yearly expenditure, 484  
 — pauperism, 479  
 — population, 471  
 — — departments, 471  
 — — towns, 475  
 — posts and telegraphs, 501  
 — President, 467  
 — production and industry, 492



## FRA

- France, protectorates, 506  
 — railways and rivers, 501  
 — religion, 476  
 — revenue, 480  
 — schools, 477-478  
 — Senate, 469  
 — shipping and navigation, 499  
 — silk industries, 494, 495  
 — sovereigns and governments from 1589, 468  
 — sugar works, 495  
 — textile industries, 495  
 — towns, 475  
 — tramways, 501  
 — universities, 477  
 — wine statistics, 494  
 — woollen industries, 495  
 Frankfort-on-Main, 538, 614  
 Frankfort-on-Oder, 614  
 Franz Josef I. (Austria), 333  
 Freetown (Sierra Leone), 197  
 Freiburg, 578, 633, 998  
 — University, 541, 1001  
 Fremantle (W. Australia), 302  
 French Congo, 515  
 — Guinea, 523  
 — India, 508  
 — Indo-China, 508  
 — Soudan, 522  
 Friedrich (Anhalt), 574  
 Friedrich I. (Baden), 576  
 Friedrich, Prince (Waldeck), 639  
 Friedrich Franz III. (Mecklenburg-Schwerin), 599  
 Friedrich Wilhelm I. (Mecklenburg-Strelitz), 602  
 Fukuoka, 722  
 Fulah Empire, 191  
 Funchal, 831  
 Fürth, 583

**G** ABUN-CONGO, 515  
 Galapagos, or Tortoise Islands, 461

- Galatz, 845  
 Galle, 104  
 Galway, Queen's College, 34  
 Gambia, 197  
 Gamtak, 156  
 Gando, 191  
 Gateshead, 19  
 Geelong, 292  
 Geneva, 1000 ; University, 1001  
 Genoa, 682 ; University, 692

## GER

- Georg II., Duke (Saxe-Meiningen), 627  
 Georg, Prince (Schaumburg-Lippe), 636  
 George II. (Tonga), 1010  
 Georgetown (Guiana), 223  
 Georgios I., 645  
 Gerki, 192  
 German East Africa, 570  
 — South-West Africa, 569  
 German Empire, agriculture, 552  
 — area, 534  
 — army, 546-548  
 — beer brewed, 556  
 — births, deaths, and marriages, 537  
 — books of reference, 566  
 — Bundesrath, 532  
 — colonies and dependencies, 568  
 — commerce, 556  
 — constitution and government, 531  
 — currency and credit, 564  
 — customs valuation, 557  
 — debt, 545  
 — defence and fortresses, 545  
 — — frontier, 545  
 — — army, 546  
 — — navy, 548  
 — diplomatic representatives, 565  
 — education, 539  
 — emigration and illegitimacy, 537  
 — emperor and king, 530  
 — emperors since 800, 530  
 — exports and imports, 557-560  
 — finance, 543  
 — fisheries, 555  
 — foreign dependencies, 568  
 — foreigners resident in, 538  
 — forestry, 554  
 — inhabited houses, 535  
 — instruction, 539  
 — justice and crime, 541  
 — manufactures, 555  
 — marriages, 537  
 — mining, 554  
 — money, weights, and measures, 565  
 — navigation, 560  
 — navy, 548-552  
 — occupation census, 1882, 536  
 — pauperism, 542  
 — population, 534 *et seq.*  
 — — conjugal condition, 535  
 — — of states, 534  
 — — of towns, 538  
 — postal statistics, 563  
 — production and industry, 552  
 — railways, 562

## GER

- German Empire, Reichstag, 532  
 — religion, 538  
 — religious censuses, 539  
 — revenue and expenditure, 543, 544  
 — royal family, 530  
 — secretaries of state, 533  
 — schools, 540  
 — shipping, 560  
 — states, 532  
 — — population, 534  
 — sugar manufacture, 556  
 — telegraphs, 563  
 — towns, 538  
 — trade and industry, 552  
 — universities, 541  
 Germany, states of, 572 *et seq.*  
 — customs valuation, xxiv  
 Ghardaja, 511  
 Ghent, 380 ; University, 381  
 Gibraltar, 98  
 — troops at, 97  
 Giessen University, 541, 595  
 Gilbert Islands, 310  
 Girgenti, 682  
 Girton College, Cambridge, 35  
 Glasgow, 22 ; University, 34  
 Glauchau, 633  
 Glorioso Island, 185  
 Goa, 841  
 Gold Coast, 196  
 Gold Coast Settlements (French), 522  
 Gomel, 863  
 Gondor, 716  
 Görlitz, 614  
 Göteborg, 968  
 Göttingen, University, 541  
 Goulburn, population, 242  
 Graaf-Reinet, 171  
 Graham's Town, 171  
 Granada, 949  
 Grand Rapids, 1071  
 Gratz, 344 ; University, 347  
 Great Bahama, 227  
 Great Britain and Ireland, agriculture, 66  
 — agricultural holdings, 69  
 — area, 14  
 — — cultivable, 66  
 — army, 53  
 — — distribution, 55  
 — — from 1810-1894, 55  
 — — estimates, 45

## GRE

- Great Britain, army in India, 55, 56  
 — — regular, 1893-4, 55  
 — — in colonies and Egypt, 55  
 — banks, chartered, 95  
 — — joint-stock, 96  
 — — post-office, 92, 96*a*  
 — — trustee, 96*a*  
 — barley produce 1891-1894, 64  
 — births, deaths, and marriages, 26  
 — books of reference, 96*b*  
 — budgets, 42 *et seq.*  
 — canals, 91  
 — — annual value, 49  
 — census, 1851, 1861, 1871, 1881, 1891, 14  
 — Civil Service estimates, 47  
 — Civil List, 5  
 — coal raised, 1893, 73  
 — — exports since 1851, 73  
 — — ports, 74  
 — colonies and dependencies, 97 *et seq.*  
 — commerce, 78  
 — Commons, House of, 7  
 — consolidated fund, 5  
 — constitution, 6  
 — corn and green crops, 67  
 — cotton, home consumption, 75  
 — — exports, 75  
 — — imports, 75  
 — Councils, county, 12  
 — — district, 12  
 — — parish, 12  
 — — town, 12  
 — credit, 95  
 — crime, 38  
 — crops, description and produce, 68  
 — Crown lands revenue, 43  
 — customs, 43  
 — — valuation, 79  
 — deaths, 26  
 — debt, 50-52  
 — defence, 53  
 — education, 33  
 — electors, registered, 1893, 8  
 — estimates, 1893-1894, 43  
 — emigration, 27  
 — excise, 43  
 — expenditure, 44  
 — exports, 79-86  
 — — average per head, 1884-1893, 79  
 — — coal, &c., since 1851, 73  
 — — cotton, 75, 85

## GRE

- Great Britain, exports foreign and colonial, 80
- gold and silver, 1890-1894, 82
- principal articles, 1892-1894, 85
- wool, 1874, 1889-1893, 76
- farm holdings, 1885, 69
- finance, 42
- fish traffic, 72
- fisheries, 71
- gas works, annual value, 49
- gold bullion imports and exports, 1890-1894, 82
- government, imperial and central, 6
- — executive, 9
- — local, 12
- heir-apparent, 5
- house-duty revenue, 43
- illiteracy, 9, 33
- immigration, 27
- imports, 79-86
- — average per head, 1884-1893, 79
- — cotton, 75
- — flour, 1894, 84
- — food, 1892-1894, 84
- — — per head, 1889-1893, 86
- — foreign and colonial, 1892, 1893, 80
- — gold and silver, 1890-1894, 82
- — iron and steel, 74
- — metals and minerals, 1889-1893, 75
- — principal articles, 1892-1894, 85
- — tea, 84
- — wheat, 1870-1894, 83, 84
- — wool, 1874, 1889-1893, 76
- income, 42
- — tax, 43, 48
- industry, 66
- inhabited houses, 18
- instruction, 33
- iron and steel imports, 74
- — ore production, 72
- — value in 1893, 49
- judicial system, 38
- justice and crime, 38
- land distribution, 66
- — tax, 43
- live stock, 67
- Local Government, 12
- — taxation, 52
- Lords, House of, 7
- marriages, 26

## GRE

- Great Britain metal imports, 75
- military expenditure, colonial contribution, 97
- minerals, 72, 73, 75
- mines, 72; value in 1893, 49
- ministries since 1783, 12
- ministry, 9
- money, 95, 96
- municipal corporations, 13
- national debt, 50-52
- navigation, 87, 91
- navy, 57-66
- — actual strength, 60
- — Board of Admiralty, 57
- — estimates, 46
- — number of seamen and marines, 58
- — reserved merchant cruisers, 61
- — tabulated list of vessels, 62; of first class cruisers, 63
- — — in foreign service, 1893, 61
- oats produce, 1891-1894, 68
- occupations of the people, 20
- parliaments: duration, 9
- pauperism, 40
- population, 14
- — counties, 16, 21, 24
- — divisions of United Kingdom, 14
- — towns, 18, 21, 24
- postal statistics, 43-92
- production, 66
- quarries, annual value, 49
- Queen and Empress, 3
- railways, 90
- — value in 1893, 49
- registered electors, 8
- Redistribution of Seats Act, 1885, 8
- Reform Bill, 1832, 7, 1867-1868, and 1884, 8
- religion, 28
- revenue and expenditure, 42
- royal family, 3
- — grants, 5
- salt and alum works, 49
- schools, middle-class, 35
- — voluntary and board, 36, 37
- Science and Art Department, 35
- shipping, 87
- silver bullion imports and exports, 1889-1894, 82
- sovereigns, list of, 6
- stamps and revenue, 43

## GRE

- Great Britain, statistical analysis of (introductory table)
- taxation, 48
  - — local, 52
  - technical education, 35
  - telegraphs, 43, 94
  - textile industry, 75
  - tramways, 91
  - universities, 34
  - waterworks, annual value of, 49
  - wheat produce, 67, 68
  - wool, exported, imported, and home consumption, 76
- Great Inagua, 227
- Greece, agriculture, 653
- area, 647
  - army, 652
  - births, deaths, and marriages, 649
  - books of reference, 657
  - budget, 1893, 650
  - commerce, 654
  - constitution, 647
  - currency and credit, 655
  - diplomatic representatives, 656
  - exports, 654, 655
  - finance, 650
  - government, 647
  - imports, 654, 655
  - instruction, 649
  - mining, 653
  - ministry, 647
  - money, weights, and measures, 656
  - navigation, 655
  - navy, 652
  - population, 647
  - posts and telegraphs, 655
  - railways, 655
  - reigning king, 645
  - religion, 649
  - royal family, 645
  - shipping, 655
  - towns, 649
- Greenland, 460
- Greenock, population, 22
- Greifswald University, 541
- Grenada, 231, 232-234
- Grenadines, the, 231, 232
- Grenoble, 475
- Grimsby, 19
- Griqualand, East and West, 170
- Grodno, 863
- Groningen, 765

## HAI

- Grosswardein, 344
- Guadalajara, 739
- Guadeloupe and dependencies, 527
- Guanajuato, 739
- Guatemala, area, 658
- books of reference, 661
  - commerce, 659
  - constitution, 658
  - crime, 658
  - defence, 659
  - diplomatic representatives, 661
  - exports, 659, 660
  - finance, 659
  - government, 658
  - imports, 659, 660
  - instruction, 658
  - money, weights, and measures, 660
  - population, 658
  - posts and telegraphs, 660
  - production and industry, 659
  - railways, 660
  - religion, 658
  - shipping, 660
- Guernsey, Herm, and Jethou, population, 25, 26
- Guatemala la Nueva, 658
- Guayaquil, 462
- Guiana (British), 222
- (French), 527
- Guinea (French), 523
- (Portuguese), 841
- Gummel (Bornu), 318
- Günther, Prince, 637
- Gwalior, 125
- Gympie (Queensland), 271
- H**AARLEM, 765
- Hague, 765
- Haidarabad, 121, 125
- Haiti, area, 662
- books of reference, 664
  - commerce, 663
  - constitution, 662
  - defence, 663
  - diplomatic representatives, 664
  - exports, 663
  - finance, 662
  - government, 662
  - imports, 663
  - instruction, 662
  - money, weights, and measures, 664
- Haiti, population, 662

## HAI

- Haiti, religion, 662
- Hakodate, 722
- Halifax, 19
  - Nova Scotia, 208
- Halle-on-Saale, 538, 614
  - University, 541
- Hamadan, 811
- Hamburg, 538
  - agriculture, 592
  - area, 591
  - births, 591
  - commerce and shipping, 592
  - constitution, 590
  - deaths, 591
  - emigration, 591
  - exports and imports, 592
  - finance, 592
  - justice and crime, 592
  - marine trade, 590
  - marriages, 591
  - population, 591
  - religion, 592
- Hamilton (Bermudas), 203
  - (Ontario), 208
- Hanley, 19
- Hanoi, 510
- Hanover, 538, 614
- Harbour Island, 227,
- Hartley Hill (S. Africa), 194
- Harrar (Sudan), 320
- Hastings, 19
- Havana, 960
- Hawaii, area, 666
  - books of reference, 668
  - commerce, 667
  - communications, 667
  - constitution, 665
  - currency, 667
  - diplomatic representatives, 667
  - finance, 666
  - government, 665
  - instruction, 666
  - population, 666
  - reigning monarch, 665
  - religion, 666
  - shipping, 667
- Hawkes Bay, 256
- Hedjaz, 1017
- Heidelberg, 578
  - University, 541
- Heilbronn, 642
- Heinrich, XIV., 622
- Heinrich XXII., 622
- Helsingfors, 863

## HOR

- Hervey Islands, 309, 310
- Herzegovina, 371
- Hesse, agriculture, 596
  - area, 595
  - constitution, 595
  - finance, 596
  - grand-duke, 594
  - instruction, 595
  - population, 595
  - production and industry, 596
  - railways, 596
  - religion, 595
- Hiroshima, 722
- Hobart (Tasmania), 284
- Hód-Mező Vásárhely, 344
- Holguin, 960
- Honduras, area, 669
  - books of reference, 671
  - commerce, 669
  - constitution, 669
  - crime, 669
  - diplomatic representatives, 670
  - finance, 669
  - government, 669
  - instruction, 669
  - money, weights, and measures, 670
  - population, 669
  - posts and telegraphs, 670
  - production and industry, 669
  - railway, 670
- Honduras, British, 224
- Hong Kong, administration, 111
  - area, 111
  - births, 112
  - books of reference, 115
  - commerce, 113
  - constitution and government, 111
  - deaths, 112
  - defence, 113
  - emigration, 112
  - exports and imports, 114
  - finance, 112
  - governor, 111
  - instruction, 112
  - justice and crime, 112
  - money and credit, 114
  - money, weights, and measures, 114
  - population, 111
  - revenue and expenditure, 113
  - shipping, 113
- Honolulu, 666
- Horsens, 452

## HOW

Howrah, 125  
 Huddersfield, population, 19  
 Hungary (see Austria-Hungary)  
 Huon Islands, 528

**I**BEA, 180  
 Iceland, 451, 460  
 Ifni, 959  
 Illorin, 192  
 India, agriculture, 136  
 — area, 118 *et seq.*  
 — army expenditure, 132  
 — — European, 55, 133, 134  
 — — native, 133  
 — — of independent states, 135  
 — banks, railway, post-office, and military, 150  
 — births, 124  
 — books of reference, 152  
 — canals, 147  
 — capital of joint stock companies, 138  
 — collieries, 140  
 — commerce, 140  
 — constitution, 115  
 — cotton mills, 138  
 — council, 117  
 — crime, 128.  
 — currency, 151  
 — customs valuation, 141  
 — deaths, 124  
 — debt, 132  
 — defence, 133  
 — dependent states, 154 *et seq.*  
 — emigration, 124  
 — executive authority, 116  
 — expenditure, 129, 130, 132  
 — exports, bullion and specie, 1884, 1890-94, 141  
 — — merchandise, 1884, 1890-94, 141  
 — — merchandise, 1893, 1894, 142, 143  
 — — treasure, 1884, 1890-94, 141  
 — finance, 129  
 — forest ground, 1892-93, 138  
 — — revenue, 136  
 — government, 115  
 — — local, 118  
 — governors-general, 116  
 — imports, bullion and specie, 1884, 1890-94, 141  
 — — merchandise, 1894, 140  
 — — merchandise, 1894, 1890-94, 142, 143

## IRE

India, instruction, 127  
 — — medical colleges, 127  
 — — normal schools, 127  
 — — technical schools, 127  
 — — universities, 127  
 — internal communications, 147  
 — justice and crime, 128  
 — land, cultivated and uncultivated, 1892-93, 139  
 — — irrigated, 137  
 — — ownership, 136, 137  
 — land revenue, 130, 131  
 — tenure, 136  
 — languages, 123  
 — money and credit, 150; money, weights, and measures, 151  
 — municipal government, 118  
 — native states, 121  
 — occupations of the people, 124  
 — opium revenue, 130, 131  
 — police, 129  
 — population, 118 *et seq.*  
 — — British territory, 1841-1891, 119  
 — — civil condition, 122  
 — — presidencies, provinces, and divisions, 119, 120  
 — — native states, 121  
 — — according to race, 123  
 — — British born, distribution of, 1881, 1891, 123  
 — — occupations of, 124  
 — — of towns, 125  
 — — distribution according to religion, 126  
 — posts and telegraphs, 149  
 — production and industry, 135  
 — railways, 148  
 — religion, 125  
 — revenue, 129, 130, 132  
 — salt revenue, 130, 131  
 — Secretary of State, 116  
 — shipping and navigation, 145  
 — tenure of land, 136  
 — towns, 125  
 — trans-frontier land trade, 145  
 — Upper Burma, 120  
 Indianapolis, 1071  
 Indian, Archipelago, 841  
 Indo-China, French, 508  
 Innsbruck university, 347  
 Ipswich, 19  
 Ipswich (Queensland), 271  
 Ireland, agriculture, 66 *et seq.*  
 — — holdings, 70

## IRE

- Ireland, area, 14-16, 23-25
- army, 55
- banks, joint-stock, 96
- — post-office, 92, 96*a*
- — trustee, 96*a*
- births, deaths, and marriages, 27
- canals, 91
- cities and towns, 25
- coal produce, 73
- commerce, 80
- criminals, 1889-1893, 40
- education, intermediate, 35
- education, primary, 37
- — universities, 34
- electorate, 1893, 8
- emigration, 27, 28
- fisheries, 71, 72
- illiterates, 9, 33
- immigration, 27, 28
- imports and exports, 80
- income-tax, 48
- justice and crime, 39, 40
- live stock, 69
- local government, 13
- mines, value of, 49
- occupations of the people, 25
- parliamentary representation, 8
- pauperism, 41
- police force, 40
- population, 14-16, 23-25; towns, 25
- — provinces, 23
- posts and telegraphs, 92, 94
- property assessed, 49
- railways, 90
- — value of, 49
- religion, 32
- taxation imperial, 48; local, 53
- textile factories, 76
- trade from 1889-1893, 80
- universities, 34
- Irkutsk, 863
- Isle of Man, area and population, 25, 26
- Isle of Pines, 528
- Ismid, 1016
- Ispahân, 811
- Italy, agriculture, 705
- area, 676
- army, 700
- — African, 702
- — mobile militia, 701
- — permanent, 701
- — territorial militia, 701
- banks, 712, 713

## IZM

- Italy, births, deaths, and marriages, 681
- books of reference, 716
- commerce, 708
- constitution, 673
- crime, 692, 693
- currency and credit, 712
- customs valuation, 709
- debt, 698
- defence, army, 700
- — frontier, 699
- — navy, 703
- diplomatic representatives, 713
- emigration, 681
- expenditure, 694-698
- exports, 708-710
- finance, local, 699
- — public property, 699
- — state, 694
- fisheries, 707
- foreign dependencies, 714 *et seq*
- forestry, 707
- government 673; local, 675
- illiterates, 691
- imports, 708-710
- instruction, 690
- internal communications, 711
- justice and crime, 692
- land proprietors, 681
- mines and minerals, 707
- ministry, 675
- money, weights, and measures, 713
- navigation, 710
- navy, 703
- occupation of people, 680
- pauperism, 693
- periodicals, 692
- Popes of Rome from 1417, 685
- population, 676
- posts and telegraphs, 711
- prisons, 693
- provinces, 677
- railways, 711
- reigning king, 672
- revenue, 694-698
- religion, 683
- royal family, 672
- schools, 690, 692
- See and Church of Rome, 684
- — *et seq.*
- shipping, 710
- towns, 682
- universities, 692
- Izmail, 863

## JAF

**J**AFFNA, 104  
 Jagst, 639  
 Jaipur, 125  
 Jaluit Island, 571  
 Jamaica, 228, 232-234  
 Janina, 1016, 1017  
 Japan, agriculture, 727  
 — area, 721  
 — army, 726  
 — books of reference, 733  
 — births, deaths, and marriages, 722  
 — budget, 725  
 — cities, 722  
 — commerce, 728  
 — constitution, 719  
 — currency and credit, 731  
 — customs valuation, 729  
 — defence, 725  
 — diplomatic representatives, 732  
 — exports, 728-730  
 — finance, 724 ; local, 725  
 — government, 719 ; local, 721  
 — Imperial Diet, 720  
 — imports, 728-730  
 — instruction, 723  
 — justice and crime, 723  
 — manufactures, 728  
 — Mikado, 719  
 — minerals, 728  
 — money, weights, and measures, 732  
 — navy, 726  
 — pauperism, 724  
 — population, 721  
 — posts and telegraphs, 731  
 — production and industry, 727  
 — railways, 730  
 — religion, 723  
 — shipping and navigation, 730  
 Jarvis Island, 310  
 Jassy, 845  
 Java, 783, 784, 785  
 Jeddah, 1017  
 Jena University, 541  
 Jeres de la Frontera, 949  
 Jersey, population, 25, 26  
 Jersey City, 1071  
 Jerusalem, 1017  
 Jitomir, 863  
 Johannesburg, 941  
 Johore, the State of (Straits Settlements), 165

**K**AGOSHIMA, 722  
 Kahoolawe, 666

## KOR

Kaisarieh, 1017  
 Kaiser Wilhelm's Land, 571  
 Kaluga, 863  
 Kamaran Island, 157  
 Kamenets Podolsk, 863  
 Kampot, 509  
 Kanazawa, 722  
 Kandy, 104  
 Kanem, 318  
 Kano, 192  
 Kansas City, 1071  
 Karachi, 125  
 Karagwe, 570  
 Karatheodori, Prince (Samos), 1036  
 Karical, 508  
 Karl Alexander (Saxe-Weimar), 628  
 Karl Gunther, 637  
 Karlsruhe, 578  
 Karshi, 912*d*  
 Kashân, 811  
 Kashmir, 121  
 Kassel, 614  
 Katsena, 192  
 Kauai, 666  
 Kazan, 863  
 Keckskemet, 344  
 Keeling Islands, 165  
 Kerguelen Island, 521  
 Kermadec Islands, 269  
 Kharkoff, 863  
 Khatmandu, 757  
 Khartum, 320  
 Khelât, 155  
 — Khans of, 154  
 Kherson, 863  
 Khiva, 913  
 Kieff, 863  
 Kiel, 614 ; University, 541  
 Kilmarnock, 22  
 Kimberley, 171  
 King's College, London, 34  
 Kingston (Jamaica), 228  
 Kingston-upon-Hull, 18  
 Kingstown (S. Vincent), 232  
 King William's Town (Cape Colony), 171  
 Kioto, 722  
 Kishineff, 863  
 Klausenberg University, 347  
 Kobé, 722  
 Kokand, 863  
 Konia, 1016, 1017  
 Königsberg, 538, 614 ; University, 541  
 Kordofan, 319, 320



## KOZ

Kozlov, 863  
 Kossova, 1016  
 Kovno, 863  
 Krakau, 344  
 Krefeld, 614  
 Kremenchug, 863  
 Kristiania, 983  
 Kuka, 318  
 Kumamoto, 722  
 Kuria Muria Islands, 100  
 Kursk, 863  
 Kyrenia, 109

**L** ABRADOR, 225  
 Labuan, 101, 158  
 Laccadive Islands, 157  
 Lady Margaret Hall, Oxford, 35  
 Lagoon Islands, 310  
 Lagos, 197  
 La Grande Aldée, 508  
 Lahore, 125  
 Lampeter College, 34  
 Lasag, 961  
 La Paz, 395  
 Larissa, 649  
 Larnaca, 109  
 Lausanne, 1000  
 — university, 1001  
 Lebanon, 1017  
 Lecce, 682  
 Leeds, 18 ; College, 34  
 Leeward Islands, 230, 232-234  
 Leeuwarde, 765  
 Leghorn, 682  
 Le Hâvre, 475  
 Leicester, population, 19  
 Leiden, 765  
 Leinster province, population, 23  
 Leipzig, 538, 632, 633  
 — University, 541, 634  
 Leith, population, 22  
 Le Mans, 475  
 Lemberg, 344  
 — University, 347  
 Leon (Mexico), 739  
 Leone XIII. (Pope), 684  
 Leopold II. (Belgium), 375  
 Leyton, 19  
 Libau, 863  
 Liberia, area, 734  
 — books of reference, 735  
 — commerce, 734  
 — constitution, 734  
 — diplomatic representatives, 735

## LUB

Liberia, exports, 735  
 — finance, 734  
 — government, 734  
 — imports, 735  
 — money, weights, and measures, 735  
 — population, 734  
 — president, 734  
 Liège, 380 ; University, 381  
 Li-Hi, King of Corea, 441  
 Lille, 475  
 Lima, 819  
 Limasol, 109  
 Limerick, 25  
 Limoges, 475  
 Lingah, 814  
 Linz, 346  
 Lippe, area, 597  
 — constitution, 596  
 — finance, 597  
 — industry, 597  
 — population, 597  
 — prince, 596  
 Lisbon, 831  
 Liverpool, 18 ; College, 34  
 Lodz, 863  
 Lokoja, 192  
 Lombok, 784  
 London, population of, 18 ; divisions  
 in 1881, 1891, 20 ; night and day  
 population, 20  
 — City and Guilds Technical Insti-  
 tute, 35  
 — King's College, 34  
 — University College, 34  
 London (Ontario), 208  
 Londonderry, 25  
 Long Island (Bahamas), 227  
 Long Island (W. Pacific), 571  
 Lorea, 949  
 Lord Howe Island, 253  
 Louisiade Islands, 238  
 Louisville, 1071  
 Loule, 831  
 Louvain, 380 ; University, 381  
 Lowell (U.S.A.), 1071  
 Loyalty Archipelago, 528  
 Lubeck, area, 598  
 — commerce, 599  
 — constitution, 597  
 — finance, 598  
 — instruction, 598  
 — justice, 598  
 — pauperism, 598  
 — population, 598

## LUB

Lubeck, religion, 598  
 — shipping, 599  
 Lublin, 863  
 Lucca, 682  
 Lucknow, 125  
 Lüderitz Bay, 570  
 Lund University, 969  
 Luque, 806  
 Luxemburg, 736  
 Luzon Island, 961  
 Lyons, 475  
 Lyttelton, trade in 1893, 267

**M**ACAO, 841  
 — Macerata, 682; University, 692  
 Macquarie Island, 309  
 Madagascar, area, 516  
 — banks, 519  
 — books of reference, 520  
 — commerce, 519  
 — consular representatives, 519  
 — currency, 519  
 — defence, 518  
 — education, 517  
 — finance, 518  
 — French sphere in, 507  
 — government, 516  
 — justice, 518  
 — population, 516  
 — posts and telegraphs, 519  
 — production and industry, 518  
 — religion, 517  
 — shipping, 519  
 — sovereign, 516  
 Madeira, 831  
 Madras, 125  
 — province, government, 117  
 — University, 127  
 Madrid, 949  
 Madura, 783, 784, 785  
 Maestricht, 765  
 Magdeburg, 538, 614  
 Mahé, 508  
 Maitland (N.S.W.), 242  
 Malacca, 160-164  
 Malaga, 949  
 Malden Island, 310  
 Maldivé Islands, 108  
 Malmö, 968  
 Malta, 99  
 — contribution for military expenditure, 97  
 — troops at, 97  
 Mamouret-ül-Aziz, 1016

## MEC

Managua, 797  
 Manameh, 100  
 Manchester, 18; College, 34  
 Mandalay, 125  
 Mandara, 318  
 Mangaia Island, 310  
 Manihiki Islands, 310  
 Manila (Philippines), 961  
 Manitoba, population, 208  
 Mannheim, 578  
 Mansourah, 1042  
 Mantova, 682  
 Maoris, 257  
 Maracaibo, 1110  
 Marburg University, 541  
 Maria Christina (Spain), 944  
 Marianne Islands, 959  
 Maria-Theresiopol, 344  
 Marlborough (N.Z.), 256  
 Marseille, 475  
 Marshall Islands, 571  
 Martinique, 527  
 Maryborough (Queensland), 271  
 Maseru, 166  
 Mashonaland, 193, 194  
 Massa, 682  
 Massawah, 320  
 Massowah, 714  
 Matabeleland, 193-195  
 Matanzas, 960  
 Maui, 666  
 Mauritius, area, 182  
 — books of reference, 185  
 — commerce, 183  
 — constitution and government, 181  
 — contribution for military expenditure, 97  
 — customs valuation, 183  
 — defence, 183  
 — dependencies, 184  
 — education, 182  
 — exports, 183  
 — finance, 183  
 — governor, 182  
 — imports, 183  
 — money, weights, and measures, 184  
 — population, 182  
 — religion, 182  
 — shipping and communications, 184  
 Mayaguana Island, 227  
 Mayence, 595  
 Mayotte Island, 521  
 Mazagan, 754  
 Mecca, 1017

## MEC

- Mecklenburg-Schwerin, agriculture, 601  
 — area, 600  
 — constitution, 600  
 — crime, 601  
 — duke, 599  
 — finance, 601  
 — instruction, 601  
 — justice, 601  
 — pauperism, 601  
 — population, 600  
 — production, 601  
 — railways, 602  
 — religion, 601  
 Mecklenburg-Strelitz, area, 602  
 — constitution, 602  
 — finance, 602  
 — Grand-Duke, 602  
 — population, 602  
 Mechlin, population, 380  
 Medellin, 434  
 Meerane, 633  
 Meerut, 125  
 Meetia Island, 528  
 Melbourne, 291; University, 292  
 Memphis, 1071  
 Menado (E. I.), 784  
 Merida (Mexico), 739  
 Merthyr Tydfil, 19  
 Meshed, 811  
 Messina, 682; University, 692  
 Metz, 573  
 Mexico, agriculture, 742  
 — area, 738  
 — army, 741  
 — banks, 745  
 — books of reference, 746  
 — cities, 739  
 — commerce, 743  
 — constitution, 737  
 — currency and credit, 744  
 — debt, 741  
 — defence, 741  
 — diplomatic representatives, 746  
 — exports, 743, 744  
 — finance, state, 740  
 — — local, 741  
 — government, 737  
 — — local, 738  
 — immigration, 739  
 — imports, 743, 744  
 — instruction, 739  
 — justice, 740  
 — manufactures, 742

## MON

- Mexico, mining, 742  
 — money, weights, and measures, 745  
 — navy, 741  
 — population, 738  
 — posts and telegraphs, 744  
 — president, 737  
 — production and industry, 742  
 — railways, 744  
 — religion, 739  
 — revenue and expenditure, 740  
 — shipping, 744  
 Mexico (City), 739  
 Middlesborough, 19  
 Milan, 682  
 Military expenditure, colonial contribution to, 97  
 Milwaukee, 1071  
 Mindanao Island, 961  
 Minneapolis, 1071  
 Minsk, 863  
 Miquelon, 528  
 Miquelon Island, 528  
 Modena, 682; University, 692  
 Mogador, 754  
 Moghilev, 863  
 Mohammarah, 814  
 Moharek Island, 100  
 Mojanga, 517  
 Molokai, 665  
 Molucca Islands, 784  
 Mombasa, 180, 181  
 Monaco, 748  
 Monastir, 1016, 1017  
 Monrovia, 734  
 Mons, population, 380  
 Monte Carlo, 748  
 Montego Bay (Jamaica), 228  
 Montenegro, agriculture, 751  
 — area, 750  
 — books of reference, 752  
 — commerce, 752  
 — communications, 752  
 — crime, 751  
 — defence, 751  
 — finance, 751  
 — government, 749  
 — instruction, 751  
 — justice, 751  
 — money, 752  
 — pauperism, 751  
 — Petrovic dynasty, 749  
 — population, 750  
 — production and industry, 751  
 — reigning prince, 749

## MON

Montenegro, religion, 750  
 — royal family, 749  
 Monterey (Mexico), 734  
 Montevideo, 1103  
 Montpellier, 475  
 Montreal, 208  
 Monserrat, 230, 232-234  
 Moorea, 529  
 Morant Cays, 229  
 Morelia, 739  
 Morocco, area, 753  
 — army, 754  
 — books of reference, 756  
 — commerce, 754  
 — defence, 754  
 — diplomatic representatives, 756  
 — exports, 754, 755  
 — government, 753  
 — imports, 754, 755  
 — money, weights, and measures, 755  
 — population, 753  
 — religion, 754  
 — Sultan, 753  
 Moscow, 863  
 Mossamedes, 841, 842  
 Mossul, 1016, 1017  
 Mostar, 372  
 Mozambique, 841, 842  
 Mulai-Abd-el-Aziz (Morocco), 753  
 Mühlhausen, 573  
 Munich, 538, 583; University, 541  
 Munster province, population, 23  
 Münster University, 541  
 Múrcia, 949  
 Muscat, 800  
 Mustapha, 511  
 Mutsuhito, Mikado of Japan, 719  
 Mysore, 121, 125

## NAGASAKI, 722

Nagoya, 722  
 Nagpur, 125  
 Namur, population, 380  
 Nancy, 475  
 Nantes, 475  
 Naples, 682; University, 692  
 Nashville, 1071  
 Nâsr ed-dîn, Shah of Persia, 809  
 Nassau (Bahamas), 227  
 Natal, area, 186  
 — books of reference, 189  
 — commerce, 188  
 — constitution and government, 185  
 — customs valuation, 188

## NET

Natal, defence, 187  
 — exports, 188  
 — finance, 187  
 — imports, 188  
 — industry, 188  
 — instruction, 187  
 — population, 186  
 — posts and telegraphs, 189  
 — railways, 189  
 — shipping, 189  
 Navies of the world, xxvii  
 Neckar, 641  
 Nédoukadou, 508  
 Nelson (N.Z.), 256  
 Nepal, 757  
 Netherlands, agriculture, 772  
 — area, 763  
 — army, 770  
 — banks, 780, 781  
 — births, deaths, and marriages, 764  
 — books of reference, 704  
 — budget, 768, 769  
 — canals, 778  
 — colonies, 782  
 — commerce, 774  
 — constitution, 760  
 — crime, 767  
 — currency and credit, 780  
 — customs valuation 777  
 — debt, 769  
 — defence, army, 770  
 — — frontier, 770  
 — — navy, 771  
 — diplomatic representatives, 782  
 — emigration, 764  
 — exports, 775-777  
 — finance, 768  
 — fisheries, 774  
 — government, central, 760  
 — — local, 762  
 — imports, 775-777  
 — instruction, 766  
 — justice, 767  
 — manufactures, 774  
 — mining, 774  
 — ministry, 761  
 — money, weights, and measures, 781  
 — navy, 771  
 — pauperism, 767  
 — population, 763, 764  
 — posts and telegraphs, 779  
 — production and industry, 772  
 — railways, 778  
 — reigning sovereign, 759

## NET

- Netherlands, religion, 765
- revenue and expenditure, 768
- royal family, 759
- schools, 766
- shipping and navigation, 777
- towns, 765
- Neu Strelitz, 603
- Neuchatel Academy, 1001
- Nevis (Island), 230, 232-234
- Newark, 1071
- New Brunswick, population, 208
- New Caledonia, 528
- prison, population, 479
- Newcastle (N.S.W.), population 242
- Newcastle-on-Tyne, 18
- College, 34
- Newfoundland and Labrador, 225
- New Guinea, British, 238; Dutch, 784
- New Haven, 1071
- Newnham College, Cambridge, 35
- New Orleans, 1071
- Newport (Mon.), 19
- New Providence Island, 227
- New South Wales, aborigines, 241
- agriculture, 246
- area, 241
- army, 245
- banks, 252
- births, 242
- books of reference, 253
- Chinese poll-tax, 242
- commerce, 249
- constitution, 239
- crime, 243
- currency and credit, 252
- customs valuation, 249
- deaths, 242
- debt, 244
- defence, 245
- emigrants, 242
- expenditure, 244
- exports, 249-251
- finance, 244
- government, 239
- — local, 240
- governor, 240
- illegitimacy, 242
- immigrants, 242
- imports, 249, 251
- instruction, 243
- justice and crime, 243, 244
- manufactures, 248
- marriages, 242
- mines and minerals, 248

## NEW

- New South Wales, money and credit, 252
- navy, 246
- occupation of people, 241
- population, 241
- posts and telegraphs, 251
- production and industry, 246
- railways, 251
- religion, 242
- schools, 243
- shipping and navigation, 251
- taxation, 244
- tramways, 252
- wool export, 249
- New York, 1071
- New Zealand, agriculture, 262
- area, 256
- banks, 268
- births, deaths, and marriages, 257
- books of reference, 269
- commerce, 264
- constitution, 254
- credit, 268
- customs valuation, 265
- deaths, 257
- defence, 262
- emigration, 257
- expenditure, 260
- exports, 265, 266
- finance, 260
- — local, 262
- government, 254-255
- — local, 255
- governor, 255
- immigration, 257
- imports, 265, 266
- instruction, 258
- justice and crime, 259
- legislative council, 254
- manufactures, 264
- marriages, 257
- mines and minerals, 264
- ministry, 255
- money, 268
- occupation of people, 257, 264
- pauperism, 259
- population, 256
- posts and telegraphs, 268
- production and industry, 262
- railways, 267
- religion, 258
- revenue, 260
- schools, 258, 259
- shipping and navigation, 267

## NEW

- New Zealand, University, 258  
 Nicaragua, area, 797  
 — books of reference, 799  
 — commerce, 798  
 — communications, 798  
 — constitution and government, 797  
 — diplomatic representatives, 799  
 — finance, 797  
 — industry, 798  
 — instruction, 797  
 — money weights, and measures, 798  
 — population, 797  
 Nice, 475  
 Nicholas I. (Montenegro), 749  
 Nicholas II. (Russia), 851  
 Nicobar Islands, 157  
 Nicosia, 109  
 Nieuwer Amstel, 765  
 Niger Coast Protectorate, 190  
 Niger Territories, 191  
 Nijni-Novgorod, 863 ; fair, 904  
 Nikolaieff, 863  
 Niksié, 750  
 Nimeguen, 765  
 Nîmes, 475  
 Nisch City (Serbia), 927  
 Niue Island, 310  
 Norfolk Island, 253  
 Northampton, 19  
 Norway, agriculture, 987  
 — area, 980  
 — army, 985  
 — banks, 992  
 — births, deaths, and marriages, 982  
 — commerce, 988  
 — constitution, 978  
 — council of state, 979  
 — currency and credit, 992  
 — customs valuation, 988  
 — defence, 985  
 — emigration, 982  
 — exports, 988-990  
 — finance, 984  
 — fisheries, 988  
 — forestry, 987  
 — government, central, 978  
 — — local, 980  
 — Grundlov, the, 978  
 — imports, 988-990  
 — instruction, 983  
 — justice and crime, 983  
 — mines and minerals, 987  
 — money, weights, and measures 993  
 — navy, 986

## ORA

- Norway, occupation of people, 982  
 — pauperism, 984  
 — population, 980  
 — posts and telegraphs, 991  
 — railways, 991  
 — religion, 983  
 — revenue and expenditure, 984  
 — shipping and navigation, 990  
 — Storthing, the, 979  
 — towns, 983  
 — (See also Sweden)  
 Norwich, population, 19  
 Nossi-Bé Island, 521  
 Nottingham, 18 ; College, 34  
 Noumea, 528  
 Novara, 682  
 Nova Scotia, population, 208  
 Novotcherkaok, 863  
 Nubia (lower), 319  
 — (upper), 319  
 Nueva, 658  
 Nueva San Salvador, 917  
 Nügata, 722  
 Nukualofa (Tonga), 1010  
 Nuremberg, 538, 583  
 Nyejin, 863  
 OBOCK, 521  
 Oceania, 235, French colonies in,  
 507, 528  
 Odessa, 863  
 Odense, 452  
 Offenbach, 595  
 Oil Islands, 185  
 Okayama, 722  
 Oldenburg, agriculture, 605  
 — area, 604  
 — constitution, 604  
 — grand-duke, 603  
 — instruction, 605  
 — justice, 605  
 — pauperism, 605  
 — population, 604  
 — railways, 605  
 — religion, 605  
 — revenue, 604  
 Oldham, population, 19  
 Omaha, 1071  
 Oman, 800  
 Omsk, 863  
 Ontario, population, 208  
 Oporto, 831  
 Oran, 511  
 Orange Free State, area, 801

## ORA

- Orange Free State, books of reference, 804
- commerce, 803
  - communications, 804
  - constitution and government, 801
  - crime, 802
  - defence, 803
  - finance, 802
  - instruction, 802
  - justice, 802
  - population, 801
  - president, 801
  - production and industry, 803
  - religion, 802
  - revenue and expenditure, 803
- Orel, 863
- Orenburg, 863
- Orléans, 475
- Ormond College, Melbourne, 293
- Oruro, 395
- Osaka, 722
- Oscar II., 963
- Ostend, population, 380
- Otago, 256 ; University, Dunedin, 258
- Ottawa, 208
- Otto Wilhelm Luitpold, 580
- Oulgaret, 508
- Oviedo, 949
- Oxford University, 34
- P**AARL (Cape Colony), 171
- Pachuca, 739
- Pacific Islands, 309
- Padua, 682 ; University, 692
- Pahang, 159
- Paisley, population, 22
- Palembang, 784
- Palermo, 682 ; University, 692
- Palma (Baleáres), 949
- Panama Canal, 436
- Papeete, 529
- Papho, 109
- Paraguay, area, 805
- books of reference, 808
  - commerce, 807
  - communications, 807
  - constitution and government, 805
  - currency and credit, 807
  - defence, 806
  - diplomatic representatives, 808
  - finance, 806
  - instruction, 806
  - justice, 806
  - money, weights, and measures, 807

## PER

- Paraguay, population, 805
- president, 805
  - production and industry, 806
  - railways, 807
  - religion, 806
- Paramaribo, 792
- Paris, 475
- Parma, 682 ; University, 692
- Parramatta, population, 242
- Paterson (U.S.A.), 1071
- Patna, 125
- Patras, 649
- Pavia, 682 ; University, 692
- Pedro Cays, 229
- Penang, 159-164
- Penza, 863
- Penrhyn Island, 310
- Perak, 159
- Perim, 100
- Perm, 863
- Pernambuco, 401
- Persia, area, 811
- books of reference, 818
  - cities, 811
  - commerce, 813, 814
  - currency and credit, 815
  - customs valuation, 813
  - defence, 813
  - diplomatic representatives, 817
  - exports, 814, 815
  - finance, 812
  - government, 810
  - imports, 814, 815
  - instruction, 812
  - justice, 812
  - money, weights, and measures, 816
  - population, 811
  - posts and telegraphs, 816
  - production and industry, 813
  - railways, 816
  - religion, 811
  - royal family, 809
  - Shah, 809
- Perth (W. Australia), 302
- (Scotland), population, 22
- Peru, area, 819, 820
- army, 822
  - books of reference, 826
  - commerce, 823
  - constitution and government, 819
  - debt, 821
  - defence, 822
  - diplomatic representatives, 825
  - exports, 823

## PER

Peru, finance, 820  
 — imports, 823  
 — industry, 822  
 — instruction, 820  
 — money, weights, and measures, 825  
 — navy, 822  
 — population, 819, 820  
 — posts, 825  
 — president, 819  
 — railways, 824  
 — religion, 820  
 — revenue and expenditure, 821  
 — shipping and navigation, 824  
 — telegraphs, 824  
 Perugia, 682; University, 692  
 Pesaro, 682  
 Peter I. (Oldenburg), 603  
 Philadelphia, 1071  
 Philippine Islands, 959, 961  
 Philippopolis, 1034  
 Phœnix group of islands, 310  
 Piacenza, 682  
 Pietermaritzburg, 187  
 Pilsen, 344  
 Pines, Isle of, 528  
 Pinsk, 863  
 Piræus, 649  
 Pisa, 682; University, 692  
 Pitcairn Island, 253  
 Pittsburg, 1071  
 Plauen, 633  
 Plymouth, population, 19  
 Plymouth, Montserrat, 230  
 Pnom-Penh, 509  
 Podgoritza, 750  
 Pointe-à-Pitre, 527  
 Pola, 346  
 Poland government, 858  
 — area, 859  
 — births, deaths, and marriages, 861,  
 862  
 — justice, 868  
 — population, 859  
 — religion, 864  
 — sugar works, 897  
 — (see also Russia)  
 Poltava, 863  
 Pondichery, 508  
 Pondoland, 170  
 Ponta Delgada, 831  
 Poona, 125  
 Popo, Little, 568  
 Port Elizabeth, 171  
 Porto Rico, 959, 960

## PRU

Port Said, 1042  
 Portsmouth, population, 18  
 Portugal, agriculture, 836  
 — area, 830  
 — army, 835  
 — births and deaths, 832  
 — books of reference, 843  
 — colonies, 841  
 — commerce, 837  
 — constitution, 828  
 — crime, 833  
 — currency and credit, 839  
 — defence, 835  
 — diplomatic representatives, 840  
 — emigrants, 832  
 — exports, 837, 838  
 — finance, 833  
 — government, 828  
 — imports, 837, 838  
 — instruction, 833  
 — justice, 833  
 — king, 827  
 — marriages, 831  
 — mines, 836  
 — ministers, 829  
 — money, weights, and measures, 840  
 — navy, 836  
 — population, 830  
 — posts and telegraphs, 839  
 — production and industry, 836  
 — railways, 839  
 — religion, 832  
 — revenue and expenditure, 834  
 — royal family, 827  
 — shipping and navigation, 839  
 — sovereigns since 1095, 828  
 — wine exports, 1889-1893, 839  
 Posen, 614  
 Potenza, 682  
 Potosi, 395  
 Potsdam, 614  
 Prague, 344; University, 347  
 Pressburg, 344  
 Preston, population, 19  
 Pretoria, 941  
 Prince Edward Island, 207  
 Prince's Islands, 841  
 Providence, 1071  
 Prussia, agriculture, 620  
 — area, 612  
 — army, 619  
 — births, deaths, and marriages, 614  
 — breweries, 620  
 — commerce, 621



## PRU

- Prussia, constitution, 608  
 — crime, 617  
 — debt, 619  
 — distilleries, 620  
 — educational statistics, 616  
 — emigration, 614  
 — expenditure, 618  
 — finance, 617  
 — foreigners, 613  
 — government, 608  
 — — local, 611  
 — instruction, 615  
 — justice, 617  
 — king, 606  
 — kings from 1701, 608  
 — minerals, 620  
 — ministry, 610  
 — pauperism, 617  
 — population, 612  
 — — conjugal condition, 613  
 — railways, 621  
 — religion, 615  
 — revenue, 618  
 — royal family, 606  
 — schools, 616  
 — sugar manufacture, 620  
 — towns, 614  
 — universities, 616  
 Puebla, 739  
 Puerto Principe, 960  
 Punakha, 394  
 Punjab University, 127  
 Pyrgos, 649  
 Pyrmont, 640

- Q**UEBEC, population, 208  
 Queen's College, Belfast, 34  
 — — Cork, 34  
 — — Galway, 34  
 — — Melbourne, 293

- Queensland, agriculture, 273  
 — area, 270  
 — banks, 275  
 — births, deaths, and marriages, 271  
 — books of reference, 275  
 — commerce, 274  
 — constitution and government, 269  
 — customs valuation, 274  
 — defence, 273  
 — emigration, 271  
 — exports, 274  
 — finance, 272  
 — governor, 270  
 — immigration, 271

## REU

- Queensland, imports, 274  
 — instruction, 272  
 — justice and crime, 272  
 — mines, 274  
 — navigation, 275  
 — pauperism, 272  
 — population, 270  
 — posts and telegraphs, 275  
 — production and industry, 273  
 — railways, 275  
 — religion, 271  
 — shipping and navigation, 275  
 Quetta, 155  
 Quezaltenango, 658  
 Quito, 462

- R**AILWAYS of Europe, the, xxix  
 Rajputana, 121  
 Ralick Islands, 571  
 Ranavalona, Queen (Madagascar), 516  
 Randers, 452  
 Rangoon, 125  
 Raratonga Island, 309  
 Rataek Islands, 571  
 Ratisbon, 583  
 Ravenna, 682  
 Reading, 19  
 Reading (U. S. A.), 1071  
 Redonda Island, 230  
 Reggio di Cal, 682  
 Reggio nell' Emilia, 682  
 Reichenbach, 633  
 Reims, 475  
 Rennes, 475  
 Resht, 811  
 Réunion Island, 521  
 Reuss (younger branch), agriculture,  
 623  
 — area, 623  
 — constitution, 623  
 — crime, 623  
 — finance, 623  
 — pauperism, 623  
 — population, 623  
 — reigning prince, 622  
 — religion, 623  
 — revenue, 623  
 Reuss (elder branch), agriculture,  
 622  
 — area, 622  
 — constitution, 622  
 — crime, 622  
 — finance, 622  
 — pauperism, 622

## REU

- Reuss (elder branch), population, 622  
 — reigning prince, 622  
 — religion, 622  
 — revenue, 622  
 Reval, 863  
 Riau-Lingga Archipelago, 784  
 Richmond (U.S.A.), 1071  
 Riga, 863  
 Riobamba, 462  
 Rio de Janeiro, 401  
 Rio de Oro, 959  
 Rivières du Sud, 522  
 Rochdale, 19  
 Rochester (U.S.A.), 1071  
 Rockhampton (Queensland), 271  
 Rodrigues, 182, 184  
 Rome, population, 682  
 — archbishoprics, 688  
 — bishoprics, 689  
 — cardinal bishops, 686  
 — — priests, 686  
 — — deacons, 688  
 — patriarchates, 688  
 — Pope, election of, 684  
 — Popes from 1417, 685  
 — Sacred College, 685  
 — See and Church, 684  
 — Supreme Pontiff, 684  
 — University, 692  
 Rosetta, 1042  
 Rostock, 600; University, 541  
 Rostoff-on-Don, 863  
 Rotterdam, 765  
 Rotuna Island, 235  
 Roubaix, 475  
 Rouen, 475  
 Roumania, agriculture, 847  
 — area, 845  
 — army, 847  
 — births, deaths, and marriages, 845  
 — books of reference, 850  
 — commerce, 848  
 — constitution, 844  
 — diplomatic representatives, 850  
 — exports, 848, 849  
 — finance, 846  
 — government, 844  
 — — local, 845  
 — imports, 848, 849  
 — instruction, 846  
 — king, 844  
 — money, weights, and measures, 849  
 — navy, 847  
 — population, 645

## RUS

- Roumania, posts and telegraphs, 849  
 — production and industry, 847  
 — railways, 849  
 — religion, 846  
 — revenue and expenditure, 846  
 — shipping, 849  
 Royal Company Island, 309  
 Russia, agriculture, 891  
 — area, 858-860  
 — army, 879  
 — — peace footing, 881  
 — — war footing, 884  
 — banks, 909  
 — births, 861  
 — books of reference, 914  
 — commerce, 898  
 — constitution, 853  
 — Council of the State, 854  
 — crime, 869  
 — currency, 909  
 — deaths, 861  
 — debt, 876-878  
 — defence, army, 879  
 — — frontier, 878  
 — — navy, 887  
 — dependencies in Asia, 912*d*  
 — diplomatic representatives, 911  
 — emperor, 851  
 — exports, 898 *et seq.*  
 — finance, local, 878  
 — — state, 870  
 — forests, 894  
 — government, 853  
 — local, 855  
 — Holy Synod, 854  
 — imports, 898 *et seq.*  
 — instruction, 865  
 — justice and crime, 868  
 — loans, 876  
 — manufactures, 895  
 — marriages, 861  
 — mines and minerals, 894  
 — ministry, 855  
 — money, weights, and measures, 910  
 — navy, 887  
 — population, 858-863  
 — posts and telegraphs, 908  
 — press, 868  
 — prisons, 869  
 — production and industry, 891  
 — railways, 907  
 — religion, 863  
 — rivers and canals, 906

## RUS

- Russia, revenue and expenditure, 870-875
- royal family, 851
- Ruling Senate, 854
- schools, 865
- shipping and navigation, 904
- state finance, 870
- sugar works, 897
- towns, 862
- Tsars and emperors from 1613, 853
- Rustchuk, 1034
- Rybinsk, 863

### SABA ISLAND, 793

Saffi, 754

Sahara, French protectorate, 507

St. Andrews University, 34

St. Brandon Islands, 185

St. Christopher, 230, 232-234

St. Croix (W.I.), 460

St. Denis, 475

St. Etienne, 475

St. Eustache (Island), 793

St. Helena, 195 ; troops at, 97

St. Helens, 19

St. John (New Brunswick), 208

St. John's (Newfoundland), 225

St. John (W.I.), 230, 460

St. Kitts, 230, 232-234

St. Louis, 1071

St. Louis (Senegal), 522

St. Lucia, 232-234

St. Marie, 521

St. Martin (Island), 793

St. Nazaire, 475

St. Nicolas, population, 380

St. Paul (U.S.A.), 1071

St. Petersburg, 863

St. Pierre, 527

St. Quintin, 475

St. Salvador (Bahamas), 227

St. Thomas (Portugal), 841

St. Thomas (W.I.), 460

St. Vincent, 232-234

Sakai, 722

Salerno, 682

Salford, population, 18

Salisbury (South Africa), 194

Salonica, 1016, 1017

Salvador, area, 917

— books of reference, 919

— commerce, 918

— constitution, 917

— diplomatic representatives, 919

## SAN

Salvador, exports and imports, 918

— finance, 917

— government, 917

— industries, 918

— instruction, 917

— justice, 917

— money, weights, and measures, 918

— population, 917

— production, 918

— railways, 918

— shipping, 918

Samara, 863

Samarang (E. I.), 785

Samarcand, 863

Samoa, 920

Samos, 1036

Sana, 1017

Sancti Spiritu, 960

Sandakan, 101

Sandhurst Royal Military and Staff

Colleges, 57

Sandhurst (Victoria), 292

San Francisco, 1071

San Juan, 959

San Luis Potosi (Mexico), 739

San Marino, 683

San Miguel, 961

San Pedro, 806

San Salvador, 917

Santa Cruz, 395

Santander, 949

Santiago, 412

Santiago de Cuba, 960

Santo Domingo, area, 921

— books of reference, 924

— commerce, 923

— constitution, 921

— defence, 922

— diplomatic representatives, 924

— finance, 922

— government, 921

— industry, 922

— instruction, 922

— justice, 922

— money, weights, and measures, 923

— population, 921

— posts and telegraphs, 923

— president, 921

— production and industry, 922

— railways, 923

— religion, 922

— shipping, 923

Santo Domingo (City), 921

## SAR

- Sarajevo, 372  
 Saratoff, 863  
 Sarawak, 102  
 Sark and Brechon, population, 26  
 Sassari University, 692  
 Savage Island, 310  
 Sawakin-Massawah, 320  
 Saxe-Altenburg, agriculture, 625  
   area, 624  
   — constitution, 624  
   — crime, 624  
   — finance, 624  
   — pauperism, 624  
   — population, 624  
   — reigning duke, 624  
   — religion, 624  
   — revenue, 624  
 Saxe-Coburg-Gotha, agriculture, 626  
   area, 626  
   — births, deaths, and marriages, 626  
   — constitution, 625  
   — crime, 626  
   — emigration, 626  
   — finance, 625  
   — pauperism, 626  
   — population, 626  
   — reigning duke, 625  
   — religion, 626  
   — revenue, 626  
 Saxe-Meiningen, area, 627  
   — constitution, 627  
   — crime, 630  
   — finance, 627  
   — pauperism, 635  
   — population, 627  
   — reigning duke, 627  
   — religion, 627  
   — revenue, 627  
 Saxe-Weimar, area, 629  
   — constitution, 629  
   — government, 629  
   — grand-duke, 628  
   — instruction, 630  
   — justice and crime, 630  
   — population, 629  
   — production, 630  
   — religion, 630  
   — revenue, 629  
 Saxony, agriculture, 635  
   area, 632  
   — births, deaths, and marriages, 633  
   — breweries, 636  
   — constitution, 631  
   — distilleries, 636

## SCO

- Saxony, emigration, 633  
   — finance, 634  
   — government, 631  
   — instruction, 634  
   — justice and crime, 634  
   — king, 630  
   — mining, 635  
   — pauperism, 634  
   — population, 632  
   — production and industry, 635  
   — railways, 636  
   — religion, 633  
   — royal family, 631  
   — towns, 633  
 Schaumberg-Lippe, area, 636  
   — constitution, 636  
   — finance, 636  
   — population, 636  
 Schiedam, 765  
 Schwarzburg-Rudolstadt, agriculture,  
   637  
   — area, 637  
   — constitution, 637  
   — crime, 637  
   — finance, 637  
   — pauperism, 637  
   — population, 637  
 Schwarzburg-Sondershausen, reign-  
   ing prince, 637  
   — religion, 637  
   — revenue, 637  
   — agriculture, 639  
   — area, 638  
   — constitution, 638  
   — crime, 638  
   — finance, 638  
   — pauperism, 638  
   — population, 638  
   — reigning prince, 638  
   — religion, 638  
   — revenue, 638  
 Schwerin, 600  
 Scotland, agricultural holdings, 69  
   — agriculture, 66 *et seq.*  
   — area, 14-16, 20-22  
   — army, 55  
   — banks, joint-stock, 96  
   — — post-office, 92-94  
   — — trustee, 96a  
   — births, deaths, and marriages,  
     27  
   — canals, 91  
   — coal produce, 73  
   — commerce, 80

## SCO

- Scotland, counties, 21  
 — criminals, 40  
 — education, middle-class, 35  
 — — primary, 36  
 — — universities, 34  
 — electorate, 8  
 — emigration, 27, 28  
 — fisheries, 71, 72  
 — illiterates, 9, 33  
 — immigration, 28  
 — imports and exports, 80  
 — income-tax, 48  
 — ironworks, value, 49  
 — justice and crime, 38, 39  
 — live stock, 69  
 — local government, 13  
 — mines, value of, 49  
 — occupations of the people, 23  
 — parliamentary representation, 8  
 — pauperism, 41  
 — police force, 40  
 — population, 14-16, 20-23  
 — — counties, 21  
 — — towns, 22  
 — posts and telegraphs, 92-94  
 — property assessed, 49  
 — railways, 90, 91  
 — railways, value of, 49  
 — religion, 31  
 — taxation, Imperial, 48  
 — — local, 53  
 — textile factories, 76  
 — towns, 22  
 — trade, 80  
 — universities, 34  
 Scranton (U.S.A.), 1071  
 Scutari, 1016, 1017  
 Sebastopol, 863  
 Segelmesa, 753  
 Selangor, 159  
 Senaar, 319, 320  
 Sendai, 722  
 Senegal, 522  
 Seoul (Corea), 441  
 Seraing, population, 380  
 Serghievsk, 863  
 Servia, agriculture, 930  
 — area, 926  
 — army, 929  
 — births, deaths, and marriages, 927  
 — books of reference, 933  
 — budget, 1894, 929  
 — commerce, 931  
 — constitution, 925

## SIM

- Servia, currency and credit, 932  
 — defence, 929  
 — diplomatic representatives, 932  
 — exports and imports, 931  
 — finance, 928  
 — forests, 930  
 — government, 925  
 — instruction, 927  
 — justice and crime, 928  
 — manufacture, 930  
 — mining, 930  
 — money, weights, and measures, 932  
 — pauperism, 928  
 — population, 926  
 — posts and telegraphs, 932  
 — production and industry, 930  
 — railways, 932  
 — religion, 927  
 — revenue and expenditure, 928, 929  
 — sovereign, 925  
 Servia, 1016  
 Sevilla, 949  
 Seychelles, 184  
 Shandernagar, 508  
 Sheffield, 18 ; College, 34  
 Shipping, the world's, xxviii  
 Shiraz, 811, 814  
 Shiré Province, 178  
 Shoa, 715  
 Shumla, 1034  
 Silver, the value of xxiv  
 Siam, area, 935  
 — books of reference, 939  
 — commerce, 937  
 — defence, 936  
 — diplomatic representatives, 939  
 — finance, 936  
 — government, 934  
 — instruction, 936  
 — King, 934  
 — money, weights, and measures, 938  
 — population, 935  
 — posts and telegraphs, 938  
 — production and industry, 936  
 — railways, 938  
 — religion, 935  
 — royal family, 934  
 — shipping, 938  
 Siberia, 859, 860, 861, 868  
 Siena, 682 ; University, 692  
 Sierra Leone, 197  
 Sikkim, 156  
 Simbirsk, 863

## SIM

- Simpheropol, 863  
 Singapore, 159-164  
 Siracusa, 682  
 Sivas, 1016, 1017  
 Slivno, 1034  
 Smolensk, 863  
 Smyrna, 1016, 1017  
 Society Islands, 528  
 Socotra Island, 100  
 Soerabaya, 785  
 Sofia, 1034  
 Sokoto, 191  
 Solomon Islands, 310, 571  
 Somaliland, 100  
 Sombrero Island, 231  
 Somerville Hall, Oxford, 35  
 Soudan, French, 522  
 Soudro, 682  
 South Africa (British), 193  
 South African Republic, agriculture,  
     942  
   — area, 940  
   — books of reference, 943  
   — commerce, 942  
   — communications, 942  
   — constitution, 940  
   — defence, 941  
   — finance, 941  
   — government, 940  
   — instruction, 941  
   — mining, 942  
   — population, 940  
   — production and industry, 942  
   — religion, 941  
 South Australia, agriculture, 279  
   — area, 277  
   — banks, 282  
   — births, deaths, and marriages,  
     278  
   — books of reference, 282  
   — commerce, 280  
   — constitution, 276  
   — debt, 279  
   — defence, 279  
   — emigration, 278  
   — exports, 280, 281  
   — factories, 280  
   — finance, 279  
   — government, 276  
   — — local, 277  
   — governor, 276  
   — immigration, 278  
   — imports, 280, 281  
   — instruction, 278

## STA

- South Australia, justice and crime, 278  
   — mines, 280  
   — population, 277  
   — posts and telegraphs, 281  
   — production and industry, 279  
   — railways, 281  
   — religion, 278  
   — shipping and navigation, 281  
 Southampton, 19  
 South Georgia Island, 222  
 South Shields, 19  
 Spain, agriculture, 955  
   — area, 948  
   — army, 952  
   — books of reference, 962  
   — colonies, 959  
   — commerce, 955  
   — constitution, 945  
   — debt, 952  
   — defence, army, 952  
   — — frontier, 952  
   — — navy, 954-955  
   — diplomatic representatives, 958  
   — exports, 956-957  
   — finance, 950  
   — government, central, 945  
   — — local, 947  
   — imports, 956-957  
   — industry, 955  
   — instruction, 950  
   — mining, 955  
   — ministry, 947  
   — money, weights, and measures, 958  
   — navy, 954  
   — population, 948  
   — posts and telegraphs, 958  
   — production, 955  
   — queen regent, 944  
   — railways, 958  
   — religion, 949  
   — revenue and expenditure, 951  
   — royal family, 944  
   — schools, 950  
   — shipping and navigation, 957  
   — sovereign, 944  
   — sovereigns since 1512, 945  
   — towns, 949  
   — wines, 957  
 Spanish Town, Jamaica, 228  
 Srinagar, 125  
 Stanley (Falkland), 222  
 Starbuck Island, 310  
 Stavropol, 863  
 Stawell, 292

## STE

- Stettin, 538, 614  
 Stockholm, 968  
 Stockport, 19  
 Straits Settlements, area, 159  
 — books of reference, 165  
 — commerce, 162  
 — communications, 164  
 — constitution, 158  
 — currency, 164  
 — customs valuation, 163  
 — defence, 162  
 — exports, 162-164  
 — finance, 161  
 — government, 158  
 — governor, 158  
 — imports, 162-164  
 — instruction, 160  
 — justice and crime, 161  
 — money, weights, and measures, 164  
 — navigation, 164  
 — population, 159  
 — production and industry, 162  
 — shipping, 164  
 Strassburg, 538, 573  
 — University, 541  
 Stuttgart, 538, 642  
 Sucre (Bolivia), 395  
 Sudan States, Central, 317  
 — Egyptian, 319  
 Suez, 1043 ; Canal, 1052  
 Sulu Islands, 959  
 Sumatra, Island of, 784  
 Sunderland, population, 19  
 Surat, 125  
 Surinam, 792  
 Suvarof Islands, 310  
 Swansea, 19  
 Swaziland, 943  
 Sweden, agriculture, 973  
 — area, 966  
 — army, 971  
 — banks, 977  
 — births, deaths, and marriages, 968  
 — commerce, 974  
 — constitution, 964  
 — council of state, 966  
 — crime, 969  
 — currency and credit, 976  
 — customs, valuation, 974  
 — defence, 971  
 — Diet, the, 965  
 — emigration, 968  
 — exports, 974-975  
 — finance, 970

## SWI

- Sweden, government, central, 964  
 — — local, 966  
 — imports, 974-975  
 — instruction, 969  
 — justice, 969  
 — mines and minerals, 974  
 — money, weights, and measures, 993  
 — navy, 972  
 — pauperism, 969  
 — population, 966  
 — posts and telegraphs, 976  
 — railways, 976  
 — religion, 969  
 — revenue and expenditure, 970  
 — shipping and navigation, 976  
 — towns, 968  
 Sweden and Norway, books of refer-  
 ence, 994  
 — diplomatic representatives, 993  
 — kings and queens since 1521, 964  
 — money, weights, and measures, 993  
 — reigning king, 963  
 — royal family, 963  
 — (see also Norway).  
 — (see also Sweden).  
 Switzerland, agriculture, 1006  
 — area, 998  
 — army, 1005  
 — book of reference, 1009  
 — births, deaths, and marriages, 999  
 — Bundesrath, the, 997  
 — commerce, 1007  
 — constitution, 995  
 — crime, 1001  
 — currency and credit, 1009  
 — customs valuation, 1007  
 — defence, 1004  
 — diplomatic representatives, 1009  
 — exports, 1007, 1008  
 — finance, 1002  
 — — local, 1003  
 — government, central, 995  
 — — local, 997  
 — imports, 1007, 1008  
 — instruction, 1000  
 — justice, 1001  
 — money, weights, and measures, 1039  
 — Nationalrath, the, 996  
 — population, 998, 989  
 — posts and telegraphs, 1008  
 — president, 997  
 — production and industry, 1006  
 — railways, 1008  
 — religion, 1000

## SWI

Switzerland, revenue and expenditure, 1002  
 — schools, &c., 1001  
 — towns, 1000  
 Sydney as a naval station, 307  
 — population, 242 ; University, 243  
 Syra, 649  
 Syracuse (U.S.A.), 1071  
 Syria, 1017  
 Syzran, 863  
 Szegedin, 344

**T**ABRIZ, 811

Taganrog, 863  
 Tahiti, 529  
 Tambov, 863  
 Tangier, 754  
 Tintah, 1042  
 Taranaki, 256  
 Tashkent, 863  
 Tasmania, agriculture, 286  
 — area, 283  
 — births, deaths, and marriages, 284  
 — books of reference, 289  
 — commerce, 287  
 — constitution and government, 282  
 — customs valuation, 288  
 — defence, 286  
 — emigration, 284  
 — exports, 287  
 — governor, 283  
 — horticulture, 286  
 — immigration, 284  
 — imports, 287  
 — instruction, 284  
 — justice and crime, 285  
 — mines, 287  
 — pauperism, 285  
 — population, 283  
 — posts and telegraphs, 288, 289  
 — production and industry, 286  
 — railways, 288  
 — religion, 284  
 — revenue and expenditure, 285  
 — shipping and navigation, 288  
 Tegucigalpa, 669  
 Teherân, 811  
 Tembuland, 170  
 Temesvar, 344  
 Tetiaroa Islands, 528  
 Tiflis, 863  
 Tilburg, 765  
 Timor (Dutch), 784 ; Portuguese, 841  
 Timova, 1034

## TUN

Tizi-Ouzou, 511  
 Tlemçen, 511  
 Tobago, 231, 232, 233, 234  
 Togoland, 568  
 Tokelau Islands, 310  
 Tokushima, 722  
 Tokyo, 722  
 Toledo, 1071  
 Tonga, 1010  
 Tongaland, 202  
 Tongarewa Island, 310  
 Tonquin, 510  
 Toronto, 208  
 Tortoise Islands, 461  
 Tottenham, 19  
 Toulon, 475  
 Toulouse, 475  
 Tourcoing, 475  
 Tournai, population, 380  
 Tours, 475  
 Townsville, 271  
 Toyama, 722  
 Transkei, 170  
 Trapani, 682  
 Trebizond, 1016, 1017  
 Trenton (U.S.A.), 1071  
 Treviso, 682  
 Trieste, 344  
 Trikala, 649  
 Trincomalee, 104  
 Trinidad, 231, 232, 233, 234  
 Trinity College, Melbourne, 293  
 Tripoli, 1017  
 Tripolitsa, 649  
 Tristan D'Acunha, 196  
 Troy (U.S.A.), 1071  
 Troyes, 475  
 Tsait 'ien (Emperor of China), 419  
 Tsaritsyn, 863  
 Tübingen University, 541, 643  
 Tula, 863  
 Tumlong, 156  
 Tunis, area, 507, 524  
 — Bey, 523  
 — books of reference, 526  
 — commerce, 525  
 — exports, 525  
 — finance, 524  
 — government, 523  
 — imports, 525  
 — industry, 525  
 — money, weights, and measures, 526  
 — population, 507, 524  
 — posts and telegraphs, 526



## TUN

- Tunis, railways, 526  
 Turin, 682  
 — University, 692  
 Turkey, agriculture, 1026  
 — area, 1015  
 — army, 1023  
 — books of reference, 1037  
 — commerce, 1027  
 — constitution, 1013  
 — debt, 1022  
 — defence, army, 1023  
 — — frontier, 1022  
 — — navy, 1024  
 — diplomatic representatives, 1036  
 — education, 1018  
 — exports, 1028, 1029  
 — finance, 1019  
 — government, 1013  
 — imports, 1028, 1029  
 — loans, 1020  
 — mining, 1027  
 — money, weights, and measures, 1031  
 — navy, 1024  
 — population, 1015  
 — posts and telegraphs, 1030  
 — privy council, 1015  
 — production and industry, 1026  
 — railways, 1030  
 — reigning Sultan, 1011  
 — religion, 1018  
 — revenues, 1021  
 — royal family, 1011  
 — shipping and navigation, 1030  
 — sovereigns from 1299, 1013  
 — tributary states, 1032  
 — vilayets, 1016  
 Turk's Island, 229, 232, 234  
 Tver, 863

## UDINE, 682

Uganda, 180

Uitenhage, 171

Ulm, 642

Ulster province, population, 23

Umberto I., 672

Union, or Tokelau group of islands, 310

United States, 1058

— agriculture, 1084

— area, 1065

— army, 1080

— banks, 1098

— births, deaths, and marriages, 1069

— books of reference, 1100

— cabinet, 1060

## URB

United States, cereal crops, 1085

— cities, 1070

— commerce, 1090

— Congress, 1061

— constitution, 1058

— corn, 1085

— cotton, 1086, 1089, 1095

— currency and credit, 1097

— customs valuation, 1090

— debt, 1078

— diplomatic representatives, 1099

— exports, 1090-1095

— finance, Federal, 1076

— — state, 1079

— fisheries, 1090

— foreign-born population, 1069

— forestry, 1086

— government, 1058

— — local, 1064

— — state, 1063

— House of Representatives, 1061

— immigration, 1069

— imports, 1090-1095

— Indian reservations, 1067

— — area, 1068

— — births, 1068

— — deaths, 1068

— — population, 1067

— instruction, 1072

— justice and crime, 1075

— live stock, 1086

— manufactures, 1088

— mines and minerals, 1087

— money, weights, and measures, 1099

— navy, 1081

— occupations of the people, 1067

— pauperism, 1076

— population, 1065-1070

— posts and telegraphs, 1097

— president, 1059

— presidents since 1789, 1059

— production and industry, 1084

— railways, 1096

— religion, 1071

— revenue and expenditure, 1076

— schools, 1072-1075

— Senate, 1061

— shipping and navigation, 1095

— tobacco, 1086

— vice-presidents since 1789, 1060

University College, London, 34

Upsala, 968 ; University, 969

Urbino University, 692

## URU

- Uruguay, area, 1102
- births, deaths, and marriages, 1103
- books of reference, 1108
- commerce, 1105
- constitution, 1102
- currency and credit, 1107
- defence, 1105
- diplomatic representatives, 1108
- emigration, 1104
- exports, 1105-1107
- finance, 1104
- government, 1102
- immigration, 1104
- imports, 1105-1107
- instruction, 1104
- money, weights, and measures, 1108
- population, 1102, 1103
- posts and telegraphs, 1107
- production and industry, 1105
- railways, 1107
- religion, 1104
- shipping and navigation, 1107
- Utrecht, 765

## VALENCIA (Spain), 949

- (Venezuela), 1110
- Valetta (Malta), 99
- Valladolid, 949
- Valparaiso, 412
- Van, 1016, 1017
- Vancouver, 208
- Vanua Levu Island, 235
- Varna, 1034
- Varoshia, 109
- Vatui Island, 310
- Venezuela, agriculture, 1112
- area, 1109, 1110
- books of reference, 1114
- commerce, 1112
- constitution and government, 1109
- 1110
- defence, 1111
- diplomatic representatives, 1114
- exports, 1112, 1113
- finance, 1111
- imports, 1112, 1113
- instruction, 1110
- justice and crime, 1111
- mines and minerals, 1112
- money, weights, and measures, 1114
- population, 1109, 1110

## VIL

- Venezuela, posts and telegraphs, 1113
- President, 1109
- production and industry, 1112
- railways, 1113
- religion, 1110
- shipping, 1113
- Venice, 682
- Vera Cruz, 739
- Verona, 682
- Versailles, 475
- Verviers, population, 380
- Vicenza, 682
- Victoria, agriculture, 295
- area, 291
- banks, 300
- births, deaths, and marriages, 292
- books of reference, 300
- commerce, 296
- constitution, 289
- currency and credit, 300
- customs valuation, 297
- debt, 294
- defence, 295
- emigration, 292
- exports, 296-298
- finance, 294
- governor, 290
- government, 289
- — local, 290
- immigration, 292
- imports, 296-298
- instruction, 292
- justice and crime, 293
- manufactures, 296
- mining, 296
- ministry, 290
- occupations of the people, 291
- population, 291
- posts and telegraphs, 299, 300
- production and industry, 295
- railways, 299
- religion, 292
- revenue and expenditure, 294
- schools and colleges, 293
- shipping and navigation, 299
- Victoria, (British Columbia), 208
- Victoria, Queen and Empress, 3
- Victoria University, 34
- (Australia), 292
- Vienna, 344
- University, 347
- Villa Rica, 806
- Villenour, 508
- Vilna, 863

## VIR

- Virgin Islands, 230, 231, 232—234
- Vitebsk, 863
- Viti Levu Island, 235
- Vladikavkar, 863
- Volsk, 863
- Voronej, 863
- Vryburg, 168

**WADAI**, 318

- Wakayama, 722
- Waldeck, 639, 640
- Waldemar (Prince) Lippe, 596
- Wales, live stock, 69
- agricultural holdings, 69
- (See also England and Wales).
- Walfish Bay, 170
- Wallis Archipelago, 528
- Walsall, 19
- Warrington, 19
- Warrnambool, 292
- Warsaw, 863
- Washington, 1071
- Island, 310
- Waterford, 25
- Watlings Island, 227
- Weimar, 621
- Wellington (N.Z.), 256, 257
- trade, 267
- West African Colonies, British, 196
- customs valuation, 198
- West Bronwich, 19
- West Indies, 227
- Western Australia, agriculture, 304
- area, 302
- banks, 306
- books of reference, 306
- commerce, 305
- constitution and government, 301
- customs valuation, 305
- debt, 304
- defence, 304
- exports, 305
- finance, 304
- governor, 301
- imports, 305
- instruction, 303
- justice and crime, 303
- money and credit, 306
- pauperism, 303
- population, 302
- posts and telegraphs, 306
- production and industry, 304
- railway, 306

## WÜR

- Western Australia, religion, 302
- schools, 303
- shipping, 306
- Western Pacific (German dependencies in), 571
- West Indies, 227 ; statistics, 233
- Danish, 460
- Dutch, 792
- West Ham, 18
- Westland (N.Z.), 256
- Wheat crops of the world, xxvi.
- Wiesbaden, 614
- Wigan, 19
- Wilhelm II., German Emperor, 530 ;
- King of Prussia, 606
- Wilhelm II. (Württemberg), 640
- Wilhelmina Helena Pauline (Netherlands), 759
- Willesden, 19
- Wilmington, 1071
- Windward Islands, 231, 232—234
- Winnipeg, 208
- Woldemar, Prince (Lippe), 596
- Wolverhampton, population, 19
- Woolwich, Royal Military Academy, 57
- Worcester (Cape Good Hope), 171
- Worcester (U.S.A.), 1071
- Worms, 595
- Wurno, 192
- Württemberg, agriculture, 644
- area, 641
- army, 644
- births, deaths, and marriages, 642
- books of reference, 645
- breweries, 645
- constitution, 640
- crime, 643
- emigration, 642
- expenditure, 644
- finance, 643
- government, 640
- industry, 644
- instruction, 643
- pauperism, 643
- population, 641
- railways, 645
- reigning king, 640
- religion, 642
- revenue, 643
- royal family, 640
- towns, 642
- Würzburg, 583 ; University, 541

## YAK

- Y**AKOBA, 192  
 Yanaon, 508  
 Yaroslav, 863  
 Yemen, 1017  
 Yokohama, 722  
 Yola, 192  
 York, 19  
 Ystradyfodwg, 19  
  
**Z**AGAZIG, 1042  
 Zaila, 100, 320  
 Zambesia, 177, 193  
 Zante, 649  
 Zanzibar, area, 200  
 — army, 201  
 — books of reference, 201

## ZWO

- Zanzibar, commerce, 201  
 — currency, 201  
 — finance, 201  
 — government, 199  
 — justice, 200  
 — population, 200  
 — religion, 200  
 — Sultan, 199  
 Zaragoza, 949  
 Zeilah, 320  
 Zittau, 633  
 Zor, 1017  
 Zululand, 202  
 Zürich, 1000 ; University, 1001  
 Zwickau, 633  
 Zwolle, 765

Favourably Reviewed by over 80 influential Newspapers.

# “HOW TO SELECT A LIFE OFFICE.”

By G. M. DENT, F.S.S.

“Those who are seeking an office for the purpose of assurance will do well to peruse this ‘dialogue’ before deciding upon any particular company.”—*Bullionist*.

“The statistics as to endowment assurance policies as investments are highly interesting and convincing.”—*Citizen*.

“Explains with singular clearness the canons by which the security of an office may be tested and its prosperity gauged, and shows the immense difference between the advantages offered by different companies.”—*Manchester Examiner*.

“A valuable pamphlet on life assurance.”—*Morning Post*.

Price 1s.; by post, 1s. 1d.

JOHN HEYWOOD, Manchester; and 2 Amen Corner, London, E.C.

## PROVIDENT LIFE OFFICE.

(FOUNDED 1806.)

50 REGENT STREET, LONDON, W.  
City Branch: 14 CORNHILL, E.C.

### Trustees and Directors.

THOMAS BARNEY, Esq.  
W. S. BEAUMONT, Esq.  
Lieut.-Gen. Sir H. BRACKENBURY, K.C.B.  
Sir FREDERIC A. BURROWS, Bart.  
WALTER T. COLES, Esq.  
CHARLES F. CUNDY, Esq.  
Major Sir D. DUCKWORTH-KING, Bart.  
SEYMOUR A. BEAUMONT, Esq., *Managing Director*.

EDWARD J. FOSTER, Esq.  
WILLIAM C. JUDD, Esq.  
The Right Hon. LORD KINNAIRD.  
Major-General R. MACKENZIE.  
JOHN H. ETHERINGTON SMITH, Esq.  
WILLIAM PHILIP SNELL, Esq.  
WILLIAM H. SPENCER, Esq.

### PROGRESSIVE FEATURES IN LIFE ASSURANCE.

Claims Paid on Proof of Death and Title.  
Liberal Surrender-Values.  
Endowment Assurances with Profits.  
Half-Credit System Policies. Non-forfeitable Policies.  
Special Advantages to the Naval and Military Professions.

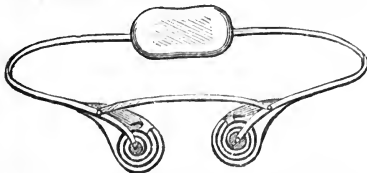
### DEATH DUTIES.

Provision may be made by means of Life Assurance to meet these Duties.

Invested Funds ... ..	£2,800,404
Claims & Surrenders Paid ...	£9,823,361
Bonuses Declared .. ..	£3,288,236

Further information on application.

CHARLES STEVENS, *Actuary & Secretary*.



## RUPTURE.

THE LATEST  
INVENTION AND  
IMPROVEMENT.

WILLIAM COLES & CO. (late 3 Charing Cross)

INVENTORS AND PATENTEES OF THE

SPIRAL SPRING TRUSS.

225 PICCADILLY, W.

(NEAR THE “CRITERION.”)

Established] Read “COBBETT’S LEGACY,” gratis per post. [1821.

# EAGLE INSURANCE COMPANY.

Established



1807.

Head Office—79 PALL MALL, LONDON, S.W.

BRANCHES:—

CITY—41 THREADNEEDLE STREET. | BRISTOL—11 CLARE STREET.  
BIRMINGHAM—104 COLMORE ROW | MANCHESTER—4 BOOTH ST.

## Directors.

Sir GEORGE RUSSELL, Bart., M.P., *Chairman*

The Right Hon. LORD COTTESLOE, *Deputy-Chairman*.

CHARLES BISCHOFF, Esq.

GEORGE BRACKENBURY, Esq.,  
C.M.G.

The Rt. Hon. Sir WM. HART DYKE,  
Bart., M.P.

The Rt. Hon. Sir J. FERGUSSON,  
Bart., M.P., G.C.S.I.

RICHARD W. E. MIDDLETON, Esq.

HENRY PAULL, Esq.

C. A. LOCKHART ROBERTSON, M.D.,  
F.R.C.P.

HENRY ROSE, Esq.

Colonel the Hon. W. P. M. C.  
TALBOT.

ACCUMULATED FUNDS ... .. £2,500,000

ANNUAL INCOME ... .. £285,000

CLAIMS PAID during past 46 years £11,600,000

INSURANCES ON LIVES, of all kinds, effected on the most  
Modern and Liberal Conditions.

IMMEDIATE ANNUITIES granted on Favourable Terms.

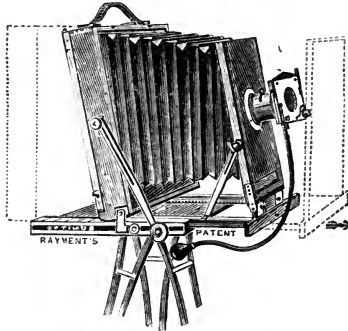
FIXED TERM (Leasehold Redemption) POLICIES with Liberal  
Surrender Value.

ACTIVE AGENTS WANTED IN TOWN AND COUNTRY.

GEORGE R. JELICOE,  
Secretary and General Manager.

# "OPTIMUS" PHOTOGRAPHIC OUTFITS

The Largest Selection of PHOTOGRAPHIC APPARATUS in the World. The Best Value. Before buying Opera or Field Glasses, Microscopes, or other Optical Instruments, write for CATALOGUE, which is sent POST FREE.



Rayment's Wide Angle, Long Focus, Rack Camera, Three Double Dark Slides, "Optimus" Rapid Rectilinear Lens, Instantaneous Shutter, Tripod, and best Waterproof Case.

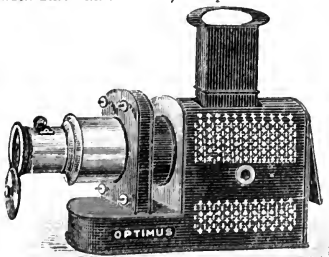
FOR PLATES  $4\frac{1}{2}$  by  $3\frac{1}{4}$ , |  $6\frac{1}{2}$  by  $4\frac{1}{4}$ , |  $8\frac{1}{2}$  by  $6\frac{1}{2}$ , | 10 by 8, | 12 by 10, | 15 by 12 inches.  
**£10 | £12 | £15 | £20 | £25 | £30.**

"OPTIMUS" ENLARGING APPARATUS. Constructed ON THE MOST APPROVED Scientific Principles.

# "OPTIMUS" MAGIC LANTERNS.

Each Lantern is efficient for DRAWING-ROOM and LECTURE HALL Exhibitions. The Lens gives crisp definition, being a superior Achromatic Photographic Combination. with Rack and Pinion, Compound Condenser of 4 inches diameter, 3-wick Refulgent Lamp.

SLIDES for SALE or HIRE.



	£	s.	d.
Japanned Metal, Complete in Box ... ..	1	10	0
Russian Iron Body, Brass Sliding Tubes ... ..	2	5	0
Russian Iron Body, Perforated Tubes ... ..	2	10	0
Mahogany Outside Body, Panelled Door, Brass Stages, 3-draw Sliding Tube, and long base board	5	5	0

**PERKEN, SON, & RAYMENT, 99 HATTON GARDEN, 141 OXFORD STREET, LONDON.**

# THE LONDON ASSURANCE

Incorporated by Royal Charter, A.D. 1720.

FOR FIRE, LIFE, AND MARINE ASSURANCES.

Head Office:—No. 7 ROYAL EXCHANGE, LONDON.

## Governor.

GEORGE WILLIAM CAMPBELL, Esq.

## Sub-Governor.

HENRY J. BROUGHTON KENDALL, Esq.

## Deputy-Governor.

HOWARD GILLIAT, Esq.

## Directors.

CHARLES G. ARBUTHNOT, Esq.  
OTTO AUGUST BENECKE, Esq.  
ROBERT HENRY BENSON, Esq.  
WILLIAM T. BRAND, Esq.  
ALFRED CLAYTON COLE, Esq.  
GEORGE L. DEWHURST, Esq.  
HENRY LLOYD GIBBS, Esq.  
SIR ROBERT GILLESPIE.  
HENRY GOSCHEN, Esq.  
EDWIN GOWER, Esq.  
A. C. GUTHRIE, Esq.  
ROBERT HENDERSON, Esq.

LOUIS HUTH, Esq.  
FREDERIC LUBBOCK, Esq.  
ADMIRAL SIR F. L. MCCLEINTOCK,  
F.R.S., K.C.B.  
GREVILLE H. PALMER, Esq.  
HOWARD POTTER, Esq.  
ROBERT RYRIE, Esq.  
DAVID P. SELLAR, Esq.  
COLONEL LEOPOLD R. SEYMOUR.  
FIELD-MARSHAL SIR DONALD M.  
STEWART, Bart., G.C.B.  
LEWIS A. WALLACE, Esq.

JOHN YOUNG, Esq.

## Secretary.

CHARLES A. DENTON, Esq.

## Actuary.

ARTHUR H. BAILEY, Esq.

## Underwriter.

JOHN STEWART MACKINTOSH, Esq.

## Manager of the Fire Department.

JAMES CLUNES, Esq.

The Corporation has granted Fire, Life, and Marine Assurances for more than a Century and a half; during that long period it has endeavoured to introduce into its practice all the real improvements that have from time to time been suggested, and to afford every facility for the transaction of business.

## INCOME, 1893.

	£	s.	d.
Life Premiums . . . . .	143,844	5	3
Fire Premiums . . . . .	413,523	10	4
Marine Premiums . . . . .	260,768	18	6
Interest . . . . .	138,266	9	9
Other Receipts . . . . .		95	19 11
	956,499	3	9

## FUNDS, 31st Dec., 1893.

	£	s.	d.
Shareholders' Capital paid up . . . . .	448,275	0	0
General Reserve Fund . . . . .	310,000	0	0
Life Assurance Funds . . . . .	2,000,054	13	7
Fire Fund . . . . .	550,954	7	2
Marine Fund . . . . .	219,839	10	1
Profit and Loss . . . . .	101,146	0	3
Provision for Accrued Liabilities . . . . .	111,330	10	5
	3,741,600	1	6

Prospectuses and copies of the Accounts can be had on application, personally or by letter.



# NORTH BRITISH

— AND —

# MERCANTILE

INSURANCE COMPANY.



✱ TOTAL FUNDS ✱

At 31st December, 1893,

OVER **Eleven Millions** STERLING.

INCOME FOR 1893—

**£2,789,437.**

## Life Department.

Most Policies are World Wide from Date of Issue.

Policies free from Vexatious Conditions.

Claims paid on proof of Death and Title.

**NINETY PER CENT.** of the Profits in the Life Department are Reserved for Distribution among the Assured on the Participating Scale. The Next Division will take place on 31st December, 1895.

**Annuities** of all kinds Granted on the most Favourable Terms.

## Fire Department.

Property of nearly every description at home and abroad Insured at the Lowest Rates. Losses by Lightning, Damage by Explosion of Gas in Buildings not forming part of any Gas Works, made good. Rents of Buildings Insured. Special Reduced Rates for Long Term Policies.

**SECURITY, LIBERALITY, & PROMPTITUDE**

in Settlement of Claims,

are Characteristics of this Company.

*Prospectuses and every information can be obtained at the Chief Offices:—*

London: 61 THREADNEEDLE STREET, E.C.; (West End Branch): 8 WATERLOO PLACE, S.W. Edinburgh: 64 PRINCES STREET.

179<sup>th</sup> YEAR.

# WESTMINSTER FIRE OFFICE.

FOUNDED A.D. 1717.

CHIEF OFFICES:—

KING STREET, COVENT GARDEN,  
LONDON, W.C.

CITY OFFICE ...5 KING WILLIAM ST. E.C.

BRANCHES:—

BIRMINGHAM ...35 COLMORE ROW.

GLASGOW ... SAINT VINCENT PLACE.

LEEDS ... 28 EAST PARADE.

LIVERPOOL ...6 CHAPEL STREET.

MANCHESTER ... { WESTMINSTER BUILD-  
INGS, BROWN STREET.

RATES OF PREMIUM MODERATE.

LOSSES PROMPTLY AND LIBERALLY  
SETTLED.

*Forms of Proposal and every information on  
application at the Chief Offices or Branches.*

CHARLES ROUSE BROWNE,

*Secretary.*

W. COUTTS FYFE,

*Assistant Secretary.*

**NORTHERN  
Assurance Co.**

Income & Funds  
(1893)

Fire Premiums,  
£716,000.

Life Premiums,  
£224,000

Interest,  
£169,000

Accumulated  
Funds,  
£4,293,000



**NORTHERN  
Assurance Co.**

HEAD OFFICES  
LONDON—

1 Moorgate Street.

**ABERDEEN—**  
1 Union Terrace.

BRANCHES:

BIRMINGHAM.

BRISTOL.

DUBLIN.

DUNDEE.

EDINBURGH.

GLASGOW.

LIVERPOOL.

MANCHESTER.

NEWCASTLE.

NOTTINGHAM.

BOSTON, U.S.

CHICAGO.

NEW YORK.

SAN FRANCISCO.

MONTREAL.

MELBOURNE.

**LONDON BOARD OF DIRECTORS.**

Colonel ROBERT BARING.  
HENRY COSMO ORME BONSOR, Esq., M.P.  
ERNEST CHAPLIN, Esq.  
ALEXANDER HEUN GOSCHEN, Esq.  
WILLIAM EGERTON HUBBARD, Esq.

FERDINAND MARSHALL HUTH, Esq.  
HENRY JAMES LUBBOCK, Esq.  
CHARLES JAMES LUCAS, Esq.  
WILLIAM WALKINSHAW, Esq.

Rt. Hon. SIR ALGERNON WEST, K.C.B.

Fire Department—JAMES ROBB, *Manager*. Life Department—F. LAINO, *Actuary*.

*General Manager*—H. E. WILSON.

**FIRE DEPARTMENT.**—Insurances are granted on Property situate in all parts of the British Dominions, and in most foreign Countries, at rates which are computed according to the actual risk incurred. The Company has already paid over **£8,250,000** in the settlement of claims under its Fire Policies.

**LIFE DEPARTMENT.**—The Company offers the advantages of perfect security, with great economy in management and moderate rates of premium. The total expenses in the year 1893 were slightly under 7 per cent. of the Income from Premiums and Interest, or, excluding commission paid to Agents, less than 4 per cent.

In the Participation Branch the whole of the ascertained surplus at each valuation belongs to the Assured. The amount for the Quinquennium ending 31st December, 1890, was sufficient to provide a Bonus of £1 11s. per cent. per annum upon the sum assured, or £7 15s. per cent. for the whole Quinquennium, besides leaving £11,182 to be carried forward. The Liabilities were ascertained by the well known combination of the Institute of Actuaries H<sup>M</sup>(5) and H<sup>M</sup> Tables of Mortality, with only 3 per cent. assumed as the rate of Interest to be in future earned by the funds, which are acknowledged to be very rigorous data for the purpose.

# W. & A. K. JOHNSTON'S PUBLICATIONS.

## NEW EDITION OF THE COMMERCIAL

AND LIBRARY CHART OF THE WORLD, on Mercator's Projection. Thoroughly Revised to Date. Size 6 ft. by 4 ft. 8 in. Price on cloth, mahogany rollers and varnished, £3 8s. ; on cloth to fold in 4to morocco case, £3 3s.

## NEW MAP OF THE RAILWAY SYSTEMS

OF SCOTLAND. Showing all Passenger Stations and the Various Systems in different Colours. Size 35½ by 29½ in. Price 5s. on cloth, rollers and varnished, or on cloth to fold and in cloth case.

DEDICATED BY SPECIAL PERMISSION TO HER MAJESTY.

Size of Maps, 20 by 25 in. Half bound, royal folio (20 by 13 in.), in russia or morocco, with gilt titles and edges, price £6 6s. Full bound russia or morocco, extra gilt, with gilt edges, price £10 10s. (to order).

## THE ROYAL ATLAS OF MODERN GEO-

GRAPHY. An entirely New Edition, thoroughly Revised to the present Time, the Maps giving the very latest information. In a Series of Fifty-seven entirely Original and Authentic Maps and Ninety-four Inset Maps and Plans, Coloured in outline. With a Complete Index of easy reference to each Map, comprising over 185,000 places contained in this Atlas.

*The Royal Atlas has been awarded a Medal wherever it has been exhibited, the latest award being that at the World's Fair, Chicago, 1893.*

## THE WORLD-WIDE ATLAS. The best Handy

Reference Atlas. Second Edition, thoroughly Revised to Date, containing Two Frontispieces, Introduction, 112 Coloured Maps and Index to 58,000 Places. Full bound, cloth, price 7s. 6d. ; half morocco, 12s. 6d.

## ECCLESIASTICAL HERALDRY. By the Rev.

JOHN WOODWARD, LL.D., F.S.A. Scot. (Rector of St. Mary's Church, Montrose), Author of "Heraldry, British and Foreign" (published in 1892, and which has been out of print for some time). The Edition is limited to 500 Copies for sale in this country. Price in One Vol. 35s. cloth ; or 40s. half morocco.

COMPLETE CATALOGUE POST FREE ON APPLICATION.

## W. & A. K. JOHNSTON,

EDINA WORKS, EASTER ROAD, EDINBURGH ; AND  
5 WHITE HART STREET, WARWICK LANE, LONDON, E.C.

Established 1851.

# BIRKBECK BANK,

Southampton Buildings, Chancery Lane, London.

TWO AND A HALF PER CENT. INTEREST allowed on DEPOSITS, repayable on demand.

TWO PER CENT. on CURRENT ACCOUNTS, on the minimum monthly balances, when not drawn below £100.

STOCKS, SHARES, and ANNUITIES purchased and sold.

## SAVINGS DEPARTMENT.

For the encouragement of Thrift the Bank receives small sums on deposit, and allows Interest monthly on each completed £1.

ABSTRACT OF FORTY-SECOND ANNUAL BALANCE SHEET, MARCH, 1893.

Amount at Credit of Subscriptions, Current and Deposit Accounts	£5,883,572
Investments in the English Funds and other Negotiable Securities, and Cash in hand	5,727,331
Permanent Guarantee Fund, invested in Consols...	150,000
Amount of Assets in Excess of Liabilities...	312,983.
Number of Members' Current and Deposit Accounts	67,244

The BIRKBECK ALMANACK, with full particulars, post free.

FRANCIS RAVENSCROFT, *Manager.*

Telephone No. 2508.

Telegraphic Address: "BIRKBECK, LONDON."

## THE ACADEMY:

A WEEKLY REVIEW OF LITERATURE, SCIENCE, AND ART.

PRICE THREEPENCE; FREE BY POST THREEPENCE-HALFPENNY.

*Terms of Subscription, payable in advance (including postage):*

12 Months, 15s. 2d.; 6 Months, 7s. 7d. Foreign: 12 Months, 17s. 4d.; 6 Months, 8s. 8d.

PUBLISHED EVERY FRIDAY IN TIME FOR THAT DAY'S POST.

**CONTAINING EVERY WEEK**

SIGNED REVIEWS of important new books, English and Foreign, in Belles-Lettres, Travel, History, Biography, Philosophy, Natural Science, Philology, the Fine Arts, and Archaeology. PERIODICAL NEWS-LETTERS from Oxford, Cambridge, Paris, Rome, Florence, Berlin, and other Centres of Learning and Literary Activity.

Obituaries of Distinguished Men. Transactions of Learned Societies. Correspondence. Notes and News, Literary, Geographical, Scientific, and Artistic. Jottings respecting rare Books, Sales, and Curiosities. Publishers' Announcements, &c.

Notices of Exhibitions in London and the Provinces, and of Music and the Drama. ORIGINAL ARTICLES on Current Topics of Literary Interest.

THE ACADEMY has always maintained the principle of Signed Articles as affording the best guarantee of fairness and competence. In the list of its contributors will be found the recognised Authorities in their several departments of Knowledge. Its half-yearly Volumes are of permanent value for purposes of Reference, especially to those interested in the English Classics, in History, Philology, and Oriental Studies.

A NEW VOLUME COMMENCED JANUARY 5, 1895.

To be had at all Railway Stations, and of all Newsagents in Town and Country.

SCALE OF CHARGES FOR ADVERTISING IN THE 'ACADEMY.'

Five Lines of Small Type...	£0 2 6	A Column ... ..	£3 0 0
Every additional Line ... ..	0 0 6	A Page (equivalent to Three Columns) ... ..	8 8 0
Half a Column ... ..	1 10 0		

Advertisements must reach the Office by TWO p.m. on THURSDAY.

\* \* \* THE ACADEMY is a desirable medium for all Advertisements addressed to the educated classes, and especially for Advertisements connected with Schools, Colleges, Literature, Science, and Art. All advertisements are bound in the volumes of the 'Academy.'

Publishing Office: 27 CHANCERY LANE, LONDON, W.C.

# The Spectator.

## INDEPENDENT LIBERAL NEWSPAPER.

EVERY SATURDAY, Price 6*d.*; by Post, 6½*d.*

THE Proprietors who in 1861 purchased the *Spectator* have since that date conducted it themselves. They are therefore exempted from many influences which press severely on the independence of journalism, and have from the first made it their chief object to say out what they believe to be truth in theology, politics, and social questions, irrespective not only of opposition from without, but of the opinion of their own supporters. Their object is to reflect the opinion of cultivated Liberals; but in the matter of the American War they fought against the mass of the very class they are trying to represent, and were finally acknowledged by them to have been in the right. In politics the object of the *Spectator* is to maintain liberal institutions everywhere, that is, the right of free thought, free speech, and free action, within the limits of law, under every form of government; but, nevertheless, to maintain that in a free State the power of the whole community may be usefully employed in constructive enterprise; in theology, to maintain the views usually known as those of the Broad Church; in ecclesiastical affairs, to defend the inclusion within the Established Church of every variety of opinion consistent with belief in the Divinity of Christ, and the right of the State to control the Church; and in social questions, to urge the faith that God made the world for the people in it, and not for any race, class, colour, creed, or section, with all the consequences to which that principle leads.

The journal commands the best sources of information, and has repeatedly during the past year been the first to make the true bearing of events apparent to its readers. Its object, however, is not so much to supply news as to express the feeling of the educated classes on the news, and correct that vagueness and bewilderment of thought which the constant receipt of news in little morsels has such a tendency to produce.

Original papers supply comments critical and explanatory on Public Events, Political Appointments, Law Amendment, Commercial Affairs, Personal Incidents, and Theological Controversies.

The news of the current week is compressed into an animated narrative, which the laziest or busiest may read, without missing the life or import of the events.

The *Spectator* contains a List of all Books published during the week (not under one shilling in price), with the names of the publishers and the prices attached: a feature which will greatly increase its value to booksellers, librarians, literary institutions, and private gentlemen.

### Scale of Charges for Advertisements.

#### OUTSIDE PAGE, TWELVE GUINEAS.

	£	s.	d.		£	s.	d.
Page .....	10	10	0	Narrow Column .....	3	10	0
Half-Page .....	5	5	0	Half-Column.....	1	15	0
Quarter-Page .....	2	12	6	Quarter-Column .....	0	17	6

#### COMPANIES.

Outside Page.....	£14	14	0	Inside Page.....	£12	12	0
-------------------	-----	----	---	------------------	-----	----	---

Five lines (50 words) and under in broad column (half-width) 5*s.*; and 1*s.* a line for every additional line (containing on an average twelve words).

Narrow column, one-third width of page, 7*s.* an inch.

Broad column, half-width of page, 10*s.* an inch.

Across two narrow columns two-thirds width of page, 14*s.* an inch.

Broad column following 'Publications of the Week,' 13*s.* an inch.

Displayed Advertisements according to space.

Terms: Net.

### Terms of Subscription.

	Yearly	Half-yearly	Quarterly
Including postage to any part of the United Kingdom ..	£1 8 6	0 14 3	0 7 2
Including postage to any of the Australasian Colonies, America, France, Germany, India, China, &c.....	1 10 6	0 15 3	0 7 8

Office—1 Wellington Street, Strand, London, W.C.

And by Order of all Booksellers and Newsvendors.

# P. S. KING & SON

(Established 1855, at the corner of Parliament Street),

PARLIAMENTARY AND GENERAL BOOKSELLERS,  
BOOKBINDERS AND PRINTERS,

12 & 14 KING STREET, WESTMINSTER, LONDON, S.W.

Publishers of the Reports and Publications issued by

**CHINA IMPERIAL MARITIME CUSTOMS.**

**AMERICAN ACADEMY OF POLITICAL AND  
SOCIAL SCIENCE.**

**UNIVERSITY OF PENNSYLVANIA—POLITICAL  
ECONOMY SERIES. WHARTON SCHOOL OF  
FINANCE.**

**MASSACHUSETTS STATE BOARD OF HEALTH.  
RUSSIAN MINISTRY OF FINANCE.**

Special List of these Publications sent Post Free.

---

**Parliamentary Papers, Blue Books,  
Acts of Parliament, Official Publications,  
Books, Pamphlets,**

Political, Social, and Economic Literature generally,

SUPPLIED IMMEDIATELY THEY ARE ISSUED.

---

*MONTHLY CIRCULAR containing a  
full List of Recent Parliamentary Papers,  
Bills, Books, &c., sent free on application.*

## BOOKBINDING.

Books well and cheaply bound. Good workmanship only.  
Also High-class Morocco and Fine Bindings at moderate Prices.

### HANSARD'S PARLIAMENTARY DEBATES.

On the winding up of the Hansard Union, Limited (*in Liquidation*), we purchased the entire remainder of the stock of Hansard's Debates.

*Complete Sets, Runs of Recent Years, Odd Volumes and various Periods supplied.*

**PAMPHLETS PRINTED AND PUBLISHED.**

# MACMILLAN AND CO.'S PUBLICATIONS.

## SIR SAMUEL BAKER.

A MEMOIR.

By T. DOUGLAS MURRAY, F.R.G.S. (Executor to the late Sir Samuel Baker) and A. Silva White, Hon. F.R.S.G.S. With Portraits and Maps. 8vo. 21s.

WORKS BY

## SIR SAMUEL WHITE BAKER, F.R.S., F.R.G.S.

**ISMAÏLIA.** A Narrative of the Expedition to Central Africa for the Suppression of the Slave Trade, Organised by Ismail, Khedive of Egypt. By Sir SAMUEL W. BAKER, Pacha, M.A., F.R.S., F.R.G.S., Major-General of the Ottoman Empire, Member of the Orders of the Osmanîe and the Medjidié, late Governor-General of the Equatorial Nile Basin, Gold Medallist of the Royal Geographical Society, Grand Médaille d'Or de la Société de Géographie de Paris, Honorary Member of the Geographical Societies of Paris and of Berlin. With Maps, Portraits, and Illustrations by ZWECKER and DURAND. Crown 8vo. 6s.

*TIMES*.—"A book which will be read with great interest."

*PALL MALL GAZETTE*.—"Well written and full of remarkable adventures."

*DAILY NEWS*.—"Adds another thrilling chapter to the history of African adventure."

*MORNING POST*.—"Reads more like a romance . . . incomparably more entertaining than books of African travel usually are."

**THE ALBERT N'YANZA, GREAT BASIN OF THE NILE, AND EXPLORATIONS OF THE NILE SOURCES.** With Maps, Illustrations, and Portraits. Crown 8vo. 6s.

*SPECTATOR*.—"Charmingly written; full, as might be expected, of incident, and free from that wearisome reiteration of useless facts which is the drawback to almost all books of African travel."

**THE NILE TRIBUTARIES OF ABYSSINIA, AND THE SWORD HUNTERS OF THE HAMRAN ARABS.** Crown 8vo. 6s.

*TIMES*.—"It adds much to our information respecting Egyptian Abyssinia and the different races that spread over it. It contains, moreover, some notable instances of English daring and enterprising skill; it abounds in animated tales of exploits dear to the heart of the British sportsman; and it will attract even the least studious reader, as the author tells a story well, and can describe nature with uncommon power."

**CYPRUS AS I SAW IT IN 1879.** 8vo. 12s. 6d.

*MORNING POST*.—"This work may be viewed under two distinct aspects: its importance as a contribution to scientific and political knowledge, and its interest as a book of travel and adventure. It is equally good from both points."

**WILD BEASTS AND THEIR WAYS.** Reminiscences of Europe, Asia, Africa, and America, from 1845—1888. With special permission, dedicated to H.R.H. the Prince of Wales. With Illustrations. New and cheaper Edition. Extra crown 8vo. 12s. 6d.

*WESTMINSTER REVIEW*.—"Every reader of the volume will recognise the fascination which the author has managed to throw into every chapter, and indeed, into almost every page."

*DAILY TELEGRAPH*.—"A most fascinating volume."

MACMILLAN AND CO., LONDON.



# STANFORD'S LIBRARY MAPS.

New and Revised Editions, reduced in Price.

The Publisher begs to announce the issue of New and Revised Editions of these fine Maps, which have hitherto held the first place as Maps for the Libraries of Gentlemen, Public Offices, and Libraries, or for Commercial purposes.

The Maps have undergone a thorough Revision to bring them up to date, and the cost of production having been considerably reduced by the use of new machinery, it has been decided to make a substantial reduction in the prices at which they have hitherto been sold to the Public, in the hope of extending their circulation and usefulness.

*The Maps of which New Editions are now ready, are:—*

**EUROPE.** Scale, 50 miles to 1 inch.

**ASIA.** Scale, 110 miles to 1 inch.

**AFRICA.** Scale, 94 miles to 1 inch.

**NORTH AMERICA.** Scale, 83 miles to 1 inch.

**SOUTH AMERICA.** Scale, 83 miles to 1 inch.

**AUSTRALASIA.** 64 miles to 1 inch.

*The Price of each of these Maps will in future be as follows:—*

Four Sheets, Coloured, **35s.**

Mounted on Rollers and Varnished,

**45s.**

Mounted to fold in Morocco Case,  
**60s.**

Mounted on Spring Roller, **£5.**

Size of each Map, 58 inches by 65 inches.

## **THE WORLD.**—Stanford's Library Map of the

**World**, showing the chief ports, ocean currents, trade winds, ocean mail routes, and the general geography in detail. Size, 5 ft. 9 in. by 3 ft. 3 in. Price, 4 sheets, coloured, 14s.; mounted to fold in case, or on roller, varnished, 25s.; on spring roller, **£5.**

## **ENGLAND AND WALES.**—Stanford's New

**Library Map of England and Wales**, showing cities, towns and villages, railways and stations, main roads, canals, and parks. Scale, 6 miles to 1 inch. Size, 5 ft. 4 in. by 6 ft. 4 in. Price, 4 sheets, coloured, 45s.; mounted to fold in morocco case, 73s. 6d.; on roller, varnished, 60s.; on spring roller, **£6.**

## **LONDON AND SUBURBS.**—Stanford's New Map of

**the County of London.** On the scale of four inches to one mile, in twenty sheets. Size, when mounted as one Map, 84 by 57 inches. Prices: Coloured sheets, 15s.; flat, in portfolio, 16s.; mounted to fold in case in five divisions, 45s.; mounted on mahogany rollers and varnished, 45s.; mounted on spring roller, **£6.**

## **BRITISH ISLES.**—Stanford's Geological Map of

**the British Isles**, compiled by Sir ANDREW C. RAMSAY, late Director-General of H.M. Geological Survey, from the publications of the Survey, and other authorities. Scale, 11½ miles to 1 inch. Size, 50 inches by 58. Price, 4 sheets, 32s.; mounted in case, or on roller, varnished, 42s.

London: **EDWARD STANFORD,**

26 & 27 COCKSPUR STREET, CHARING CROSS, S.W.

Geographer to Her Majesty the Queen.

## Messrs. MACMILLAN & Co.'s STANDARD ATLASES. THE LIBRARY REFERENCE ATLAS OF THE WORLD.

A Complete Series of 84 Modern Maps. By J. BARTHOLOMEW, F.R.G.S. With Geographical Index to 100,000 Places. 52s. 6d. net.

*ATHENÆUM*.—"One of the most complete and trustworthy works of the kind available."

*SPECTATOR*.—"A book of sterling value."

*SPEAKER*.—"It is one of the most judiciously conceived and carefully executed which we have seen for a long time."

*ST. JAMES'S GAZETTE*.—"One of the best of the kind that have ever appeared in England."

*PALL MALL GAZETTE*.—"A perfect atlas *de luxe* is Mr. Bartholomew's *Library Atlas of the World*. The whole volume is clearly printed, largely designed, and stoutly bound."

*MORNING POST*.—"The *Library Reference Atlas of the World* is a volume of noble proportions, and is certainly one of the best works of the kind extant."

*SCOTTISH GEOGRAPHICAL MAGAZINE*.—"It is emphatically the atlas for newspaper readers and students of contemporary changes in geography."

### PHYSICAL AND POLITICAL SCHOOL ATLAS.

A Series of 80 Maps with General Index. By J. BARTHOLOMEW, F.R.G.S., 4to. Bound in Cloth, 8s. 6d., or in Half-Morocco, 10s. 6d.

*PROCEEDINGS OF THE ROYAL GEOGRAPHICAL SOCIETY*.—"The maps are all very nicely drawn, and well suited to the purpose for which they have been published."

*SCOTTISH GEOGRAPHICAL MAGAZINE*.—"This Atlas should meet all the requirements of schools. The selection of maps is a happy one."

### THE ELEMENTARY SCHOOL ATLAS.

With 24 Maps in Colours, specially designed to illustrate all Elementary Text-Books of Geography. By J. BARTHOLOMEW, F.R.G.S. 4to. 1s.

*GUARDIAN*.—"The shilling 'Elementary School Atlas' which we have received from Messrs. Macmillan and Co. is almost a model of judicious selection and arrangement."

MACMILLAN AND CO., LONDON.

### THE ILLUSTRATED EDITION OF

## GREEN'S SHORT HISTORY OF THE ENGLISH PEOPLE.

### A SHORT HISTORY OF THE ENGLISH PEOPLE.

By J. R. GREEN, M.A. Illustrated Edition. Edited by Mrs. J. R. GREEN and Miss KATE NORGATE. In four volumes. Super royal 8vo, 12s. net each volume.

*PALL MALL GAZETTE*.—"Altogether this edition of the *History* will be far and away the best that has been published."

*TIMES*.—"Copious, appropriate, and admirably selected illustrations. . . . Cannot fail to sustain and increase the popularity of that fascinating survey of national history."

*GUARDIAN*.—"The form in which Mr. Green's book is now to be presented will be well worthy of it. . . . Bids fair to be a remarkable success."

MACMILLAN AND CO., LONDON.

# CLARENDON PRESS LIST.

- BADEN-POWELL.—LAND-SYSTEMS OF BRITISH INDIA:** being a Manual of the Land-Tenures, and of the Systems of Land-Revenue Administration prevalent in the several Provinces. By B. H. BADEN-POWELL, C.I.E., F.R.S.E., M.R.A.S. 3 vols. 8vo, with Maps, £3 3s.
- BENTHAM.—A FRAGMENT ON GOVERNMENT.** By JEREMY BENTHAM. Edited by F. C. MONTAGUE, M.A. 8vo, 7s. 6d.
- BLUNTSCHLI.—THE THEORY OF THE STATE.** By J. K. BLUNTSCHLI. Translated from the Sixth German Edition. Second Edition, Revised. Crown 8vo, half-bound, 8s. 6d.
- FORTESCUE.—THE GOVERNANCE OF ENGLAND:** otherwise called *The Difference between an Absolute and a Limited Monarchy.* By SIR JOHN FORTESCUE, Kt. A Revised Text. Edited, with Introduction, Notes, &c., by CHARLES PLUMMER, M.A. 8vo, half-bound, 12s. 6d.
- FREEMAN (E. A.).—HISTORY OF THE NORMAN CONQUEST OF ENGLAND;** its Causes and Results. By the late E. A. FREEMAN, D.C.L. In 6 vols. 8vo, £5 9s. 6d.
- RANKE.—A HISTORY OF ENGLAND,** principally in the Seventeenth Century. By L. VON RANKE. Translated under the superintendence of G. W. KITCHIN, D.D., and C. W. BJAASE, M.A. 6 vols. 8vo, £3 3s.
- ROGERS.—PROTESTS OF THE LORDS,** including those which have been expunged, from 1624 to 1874; with Historical Introductions. By JAMES E. THOROLD ROGERS, M.A. In 3 vols. 8vo, £2 2s.
- SMITH'S WEALTH OF NATIONS.** A New Edition, with Notes, by J. E. THOROLD ROGERS, M.A. 2 vols, 8vo, 21s.
- STEPHENS.—THE PRINCIPAL SPEECHES OF THE STATESMEN AND ORATORS OF THE FRENCH REVOLUTION, 1789-1795.** With Introductions, Notes, &c. By H. MORSE STEPHENS. 2 vols. Crown 8vo, 12s.
- STUBBS.—SELECT CHARTERS AND OTHER ILLUSTRATIONS OF ENGLISH CONSTITUTIONAL HISTORY,** from the Earliest Times to the Reign of Edward I. Arranged and Edited by W. STUBBS, D.D., Lord Bishop of Oxford. *Seventh Edition.* Crown 8vo, 8s. 6d.
- STUBBS.—THE CONSTITUTIONAL HISTORY OF ENGLAND,** in its Origin and Development. *Library Edition.* 3 vols. Demy 8vo, £2 8s.  
Also in 3 vols. Crown 8vo, price 12s. each.
- TWISS.—THE LAW OF NATIONS** considered as Independent Political Communities. By SIR TRAVERS TWISS, D.C.L.  
Part II. On the Rights and Duties of Nations in time of Peace. New Edition, Revised and Enlarged. 8vo, 15s.
- VINOGRADOFF.—VILLAINAGE IN ENGLAND.** Essays in English Mediæval History. By PAUL VINOGRADOFF, Professor in the University of Moscow. 8vo, half bound, 16s.

*Full Catalogues post free on application.*

LONDON: HENRY FROWDE, CLARENDON PRESS WAREHOUSE.

# Twelve English Statesmen.

EDITED BY JOHN MORLEY.

Crown 8vo. 2s. 6d. each.

**WILLIAM THE CONQUEROR.** By EDWARD A. FREEMAN, D.C.L., LL.D.

*TIMES*.—"Gives with great picturesqueness. . . . the dramatic incidents of a memorable career far removed from our times and our manner of thinking."

**HENRY II.** By MRS. J. R. GREEN.

*TIMES*.—"It is delightfully real and readable, and in spite of severe compression has the charm of a mediæval romance."

**EDWARD I.** By T. F. TOUT, M.A., Professor of History, The Owens College, Manchester.

*SPEAKER*.—"A truer or more lifelike picture of the king, the conqueror, the overlord, the duke, has never yet been drawn."

**HENRY VII.** By JAMES GAIRDNER.

*ATHENÆUM*.—"The best account of Henry VII. that has yet appeared."

**CARDINAL WOLSEY.** By BISHOP CREIGHTON, D.D.

*SATURDAY REVIEW*.—"Is exactly what one of a series of short biographies of English statesmen ought to be."

**ELIZABETH.** By E. S. BEESLY, M.A.

*MANCHESTER GUARDIAN*.—"It may be recommended as the best and briefest and most trustworthy of the many books that in this generation have dealt with the life and deeds of that 'bright Occidental Star, Queen Elizabeth of happy memory.'"

**OLIVER CROMWELL.** By FREDERIC HARRISON.

*TIMES*.—"Gives a wonderfully vivid picture of events."

**WILLIAM III.** By H. D. TRAILL.

*SPECTATOR*.—"Mr. Traill has done his work well in the limited space at his command. The narrative portion is clear and vivacious, and his criticisms, although sometimes trenchant, are substantially just."

**WALPOLE.** By JOHN MORLEY.

*ST. JAMES'S GAZETTE*.—"It deserves to be read, not only as the work of one of the most prominent politicians of the day, but for its intrinsic merits. It is a clever, thoughtful, and interesting biography."

**PITT.** By LORD ROSEBERY.

*TIMES*.—"Brilliant and fascinating. . . . The style is terse, masculine, nervous, articulate, and clear; the grasp of circumstance and character is firm, penetrating, luminous, and unprejudiced; the judgment is broad, generous, humane, and scrupulously candid. . . . It is not only a luminous estimate of Pitt's character and policy, it is also a brilliant gallery of portraits. The portrait of Fox, for example, is a masterpiece."

**PEEL.** By J. R. THURSFIELD, M.A.

*DAILY NEWS*.—"A model of what such a book should be. We can give it no higher praise than to say that it is worthy to rank with Mr. John Morley's *Walpole* in the same series."

**CHATHAM.** By JOHN MORLEY. [*In preparation.*]

MACMILLAN AND CO., LONDON.

# STANDARD WORKS OF REFERENCE.

Just published, in large fcap. 4to, 872 pp., cloth, red edges, 7s. 6d. ;  
half-Persian, 10s. 6d. ; half-morocco, flexible, 12s. 6d.

## THE STUDENT'S ENGLISH DICTIONARY.

LITERARY, SCIENTIFIC, ETYMOLOGICAL, & PRONOUNCING.

BY JOHN OGILVIE, LL.D.

New Edition, thoroughly Revised and greatly Augmented. With Numerous  
Useful Appendices.

Edited by CHARLES ANNANDALE, M.A., LL.D.,

Editor of the New Edition of "The Imperial Dictionary."

Illustrated by nearly 800 Engravings on Wood.

In One Volume, fcap. 4to, 864 pp., containing over 80,000 entries, cloth,  
coloured edges, 5s. ; half-roxburgh, 6s. 6d. ; half-morocco, 9s.

## A CONCISE DICTIONARY OF THE ENGLISH LANGUAGE.

*Etymological and Pronouncing, Literary, Scientific, and Technical.*

By CHARLES ANNANDALE, M.A., LL.D.

"We can heartily recommend this neat and handy volume to all who want a copious and  
trustworthy English dictionary of reasonable dimensions."—*Athenæum*.

In Four Volumes, imperial 8vo, cloth, £5 ; or half-morocco, £6 6s.

## THE IMPERIAL DICTIONARY OF THE ENGLISH LANGUAGE.

*A complete Encyclopædic Lexicon, Literary, Etymological, Scientific,  
Technological, and Pronouncing.*

By JOHN OGILVIE, LL.D.

New Edition, carefully Revised and greatly Augmented. Edited by CHARLES  
ANNANDALE, M.A., LL.D. Illustrated by above 3,000 Engravings on Wood.

"It is the best English lexicon of the time."—*Spectator*.

In Eight Volumes, square 8vo, cloth, 48s. ; or half-morocco, 68s.

## BLACKIE'S MODERN CYCLOPÆDIA Of Universal Information.

Edited by CHARLES ANNANDALE, M.A., LL.D.

WITH NUMEROUS PICTORIAL ILLUSTRATIONS AND A SERIES OF MAPS.

"Some handy form of encyclopædia has long been wanted. The information is  
succinctly given, sufficiently copious, and strictly relevant."—*Saturday Review*.

London : BLACKIE & SON, Limited, 49 and 50 Old Bailey.

## English Men of Action.

With Portraits. Crown 8vo., Cloth. 2s. 6d. each.

**GENERAL GORDON.** By Colonel Sir WILLIAM BUTLER.

*SPECTATOR*.—"This is beyond all question the best of the narratives of the career of General Gordon that have yet been published."

**HENRY THE FIFTH.** By A. J. CHURCH.

*SCOTSMAN*.—"No page lacks interest; and whether the book is regarded as a biographical sketch or as a chapter in English military history it is equally attractive."

**LIVINGSTONE.** By THOMAS HUGHES.

*SPECTATOR*.—"The volume is an excellent instance of miniature biography."

**LORD LAWRENCE.** By Sir RICHARD TEMPLE.

*LEEDS MERCURY*.—"A lucid, temperate, and impressive summary."

**WELLINGTON.** By GEORGE HOOPER.

*SCOTSMAN*.—"The story of the great Duke's life is admirably told by Mr. Hooper."

**DAMPIER.** By W. CLARK RUSSELL.

*ATHENÆUM*.—"Mr. Clark Russell's practical knowledge of the sea enables him to discuss the seafaring life of two centuries ago with intelligence and vigour. As a commentary on Dampier's voyages this little book is among the best."

**MONK.** By JULIAN CORBETT.

*SATURDAY REVIEW*.—"Mr. Corbett indeed gives you the real man."

**STRAFFORD.** By H. D. TRAILL.

*ATHENÆUM*.—"A clear and accurate summary of Strafford's life, especially as regards his Irish government."

**WARREN HASTINGS.** By Sir ALFRED LYALL.

*DAILY NEWS*.—"May be pronounced without hesitation as the final and decisive verdict of history on the conduct and career of Hastings."

**PETERBOROUGH.** By W. STEBBING.

*SATURDAY REVIEW*.—"An excellent piece of work."

**CAPTAIN COOK.** By WALTER BESANT.

*SCOTTISH LEADER*.—"It is simply the best and most readable account of the great navigator yet published."

**SIR HENRY HAVELOCK.** By ARCHIBALD FORBES.

*SPEAKER*.—"There is no lack of good writing in this book, and the narrative is sympathetic as well as spirited."

**CLIVE.** By Colonel Sir CHARLES WILSON.

*TIMES*.—"Sir Charles Wilson, whose literary skill is unquestionable, does ample justice to a great and congenial theme."

**SIR CHARLES NAPIER.** By Colonel Sir WILLIAM BUTLER.

*DAILY NEWS*.—"The 'English Men of Action' series contains no volume more fascinating both in matter and in style."

**WARWICK, THE KING-MAKER.** By C. W. OMAN.

*GLASGOW HERALD*.—"One of the best and most discerning word-pictures of the Wars of the Two Roses to be found in the whole range of English literature."

**DRAKE.** By JULIAN CORBETT.

*SCOTTISH LEADER*.—"Perhaps the most fascinating of all the fifteen that have so far appeared. . . . Written really with excellent judgment, in a breezy and buoyant style."

**RODNEY.** By DAVID G. HANNAY.

*TIMES*.—"A vivid sketch of one of our great naval heroes."

*SPECTATOR*.—"An admirable contribution to an admirable series."

**MONTROSE.** By MOWBRAY MORRIS.

*TIMES*.—"A singularly vivid and careful picture of one of the most romantic figures in Scottish history."

MACMILLAN AND CO., LONDON.

THE  
**SATURDAY**  
**REVIEW**

OF

**Politics, Literature, Science, and  
Art.**

**EDITED BY FRANK HARRIS.**

Can be obtained at

ALL RAILWAY BOOKSTALLS AND THE PRINCIPAL NEWS  
AGENTS IN THE UNITED KINGDOM ON THE  
DAY OF PUBLICATION.

**PRICE SIXPENCE.**

*Established 1855.*

**TO ADVERTISERS.**—Advertisements intended for the SATURDAY  
REVIEW should be addressed to the ADVERTISEMENT DEPARTMENT, at  
the OFFICE. A printed Scale of Charges can be obtained on application.

---

OFFICE

38 Southampton Street, Strand, London.

# English Men of Letters.

EDITED BY JOHN MORLEY.

In Paper Covers, 1s. ; Cloth, 1s. 6d.

## ADDISON.

By W. J. COURTHOPE.

## BACON.

By Dean CHURCH.

## BENTLEY.

By Professor R. C. JEBB.

## BUNYAN.

By J. A. FROUDE.

## BURKE.

By JOHN MORLEY.

## BURNS.

By Principal SHAIRP.

## BYRON.

By JOHN NICHOL.

## CARLYLE.

By JOHN NICHOL.

## CHAUCER.

By Professor A. W. WARD.

## COLERIDGE.

By H. D. TRAILL.

## COWPER.

By GOLDWIN SMITH.

## DEFOE.

By W. MINTO.

## DE QUINCEY.

By Professor MASSON.

## DICKENS.

By Professor A. W. WARD.

## DRYDEN.

By G. SAINTSBURY.

## FIELDING.

By AUSTIN DOBSON.

## GIBBON.

By J. C. MORISON.

## GOLDSMITH.

By WILLIAM BLACK.

## GRAY.

By EDMUND GOSSE.

## HAWTHORNE.

By HENRY JAMES.

## HUME.

By Professor HUXLEY, F. R. S.

## JOHNSON.

By LESLIE STEPHEN.

## KEATS.

By SIDNEY COLVIN.

## LAMB, CHARLES.

By ALFRED AINGER.

## LANDOR.

By SIDNEY COLVIN.

## LOCKE.

By THOMAS FOWLER.

## MACAULAY.

By J. C. MORISON.

## MILTON.

By MARK PATTISON.

## POPE.

By LESLIE STEPHEN.

## SCOTT.

By R. H. HUTTON.

## SHELLEY.

By J. A. SYMONDS.

## SHERIDAN.

By Mrs. OLIPHANT.

## SIDNEY.

By JOHN A. SYMONDS.

## SOUTHEY.

By Professor DOWDEN.

## SPENSER.

By Dean CHURCH.

## STERNE.

By H. D. TRAILL.

## SWIFT.

By LESLIE STEPHEN.

## THACKERAY.

By ANTHONY TROLLOPE.

## WORDSWORTH.

By F. W. H. MYERS.

MACMILLAN AND CO., LONDON.



# The Guardian.

THE GUARDIAN is a Weekly Journal of Politics, Literature, Science, and the Fine Arts, Ecclesiastical, Home, Foreign, and Colonial News. Its promoters are Churchmen; and they endeavour to maintain that character in the treatment of Ecclesiastical subjects, and its Correspondence Columns are open to all shades of opinion. Special reports are given of the Meetings of Convocation, Church Congress, and all important matters connected with the Church and Education. Great care is taken with the Parliamentary Intelligence. Special attention is paid to the Foreign and Colonial News, a full digest of which is given every week, illustrated by original correspondence. Every effort is made, in the Selection of News, of Works chosen for Review, and by the Exclusion of all Objectionable Matter, to render THE GUARDIAN a good Family and Literary Newspaper.

THE GUARDIAN is issued every WEDNESDAY AFTERNOON, price 6d., by post 6½d., and is supplied regularly, post-free, direct from the office, to Subscribers *paying in advance only*, at—per Quarter (13 numbers), 7s.; per Half-year (26 numbers), 13s. 6d.; per Year (52 numbers), £1 6s. To Subscribers abroad—£1 10s. per annum.

Advertisements must reach the Office **before 6 p.m. on Monday**, and in any urgent case of a short advertisement **not later than 11 a.m. on Tuesday**, and payment made at the time, on the following scale:—

Three Lines and under.....	Four Shillings.
Every Additional Line.....	Ninepence.
Special Column { Three Lines and under .....	Eight Shillings.
{ Every Additional Line.....	One Shilling and Sixpence.
Leader Page..... { Three Lines and under .....	Twelve Shillings.
{ Every Additional Line.....	Two Shillings.

**Domestic Advertisements—viz., Women's Work, Governesses, and Servants—Three Lines, 3s.; Every Additional Line, 6d.**

On an average four words may be reckoned for the first line, and eight words for each line afterwards, the address counting as part of the Advertisement; but all Advertisements are charged according to space occupied.

In all cases where replies are to be forwarded from the Office an additional charge of 6d. is made on each insertion.

Notices of Testimonials, Births, Marriages, and Deaths are inserted at 3s. 6d. each for Two Lines, and a Shilling for every Additional Line.

*All letters respecting Advertisements and Subscriptions should be addressed "The Publisher," Guardian Office, 5 Burleigh Street, Strand, W.C. Money and Postal Orders, on the Post-office, 369 Strand, should be made payable to JAMES BAILEY; Orders and Cheques to be crossed "London and County Bank."*

5 Burleigh Street, Strand, London, W.C.

"Guardian, London," is all the address necessary for telegrams.

# THE DAILY NEWS

HAS

THE LARGEST CIRCULATION  
OF ANY LIBERAL PAPER IN THE WORLD.

OFFICES:—BOUVERIE STREET, LONDON, E.C.

## PRE-PAID ADVERTISEMENTS

FROM

MANAGERS,  
SECRETARIES,  
TRAVELLERS,  
COLLECTORS.

TUTORS,  
GOVERNESSES,  
HOUSEKEEPERS,  
CLERKS,

APPRENTICES,  
ARTICLED PUPILS, &  
DOMESTIC SERVANTS  
OF ALL KINDS,

WANTING SITUATIONS, or Employers requiring the services of such persons.

### TWO LINES, SIXPENCE;

3 Insertions, 1s. Beyond 2 lines, 3d. a Line per Insertion.

APARTMENTS and SMALL PRIVATE PROPERTIES of every description to be LET, SOLD, or WANTED,

### TWO LINES, ONE SHILLING;

3 Insertions, 2s. 6d. Beyond 2 Lines, 6d. a Line per Insertion.

Inquiries for Missing Friends & Cypher Correspondence, &c.,  
Four Lines, 4s. ; 1s. a Line after.

Births, Marriages, and Deaths, 2s. 6d. for Four Lines ; 1s. per Line after.

**N.B.**—Advertisers are requested to make their Post-Office Orders payable to Mr. CHARLES J. HARRINGTON, at the Chief Office, the letters to him being addressed to "Daily News" Office, Bouverie Street, E.C.

Cheques and Post-Office Orders should be crossed "London and Westminster Bank."

LETTERS in ANSWER to ADVERTISEMENTS appearing in the "DAILY NEWS" can be addressed to the "DAILY NEWS" INQUIRY OFFICE free of charge.

May, 1894.

"A MONUMENT OF PAINSTAKING SKILL AND CARE."—*Record*, February 22, 1895.

FIFTY-FOURTH  
YEAR.



NOW READY,  
PRICE 10/6.

# THE CLERGY LIST FOR 1895.

With the sanction of the ECCLESIASTICAL COMMISSIONERS an Official on their staff has supplied direct to the Proprietors of the *Clergy List* a considerable amount of information of an important and varied nature, which has been embodied in the latter half of the work, and comprises particulars as to the creation of new Districts and Parishes, and as to alterations with regard to the Income, Population, and Patronage of Benefices. This information, it is understood, has been furnished to no other work of a similar character.

**THE CLERGY LIST** is the only publication that contains so much information under such conveniently arranged headings. The name of every village, town, and city in which there is a Church, is given with its post town, railway station, and distance in miles.

*THE REVIEW OF REVIEWS* for February, 1894, says :

"This is the acknowledged ecclesiastical directory, containing, as it does, a complete list of the Anglican Clergy in the United Kingdom and the Colonies, including the army, navy, prison, union and foreign chaplains, with their degrees, orders, and appointments. There is also an alphabetical list of benefices, with their incumbents, curates, annual value, patrons and populations, to say nothing of cathedral establishments, rural deaneries, lists of public and private patrons of benefices, with value, etc., etc. The one section giving the alphabetical list of the Clergy covers 480 pages; and the tabulated information at the end is prepared with great care, and printed in clear, readable type."

"The assistance of the Ecclesiastical Commission will add very much to the value of the book, if only in the direction of putting an end to a very disreputable class of statements which always crops up between Liberationists and advocates of the Establishment."

—*Daily Chronicle*, January, 1894

"Quite indispensable to all who are concerned in the Church establishment. . . . a mine of well arranged information brought well up to date."—*Observer*, March 3, 1895.

LONDON: KELLY & CO., Ltd., 182-184 High Holborn, W.C.

# DR. J. COLLIS BROWNE'S CHLORODYNE



ORIGINAL AND

**COUGHS,  
COLDS,  
ASTHMA,**

We have never used any other form of this medicine than Collis Browne's, from a firm conviction that it is decidedly the best, and also from a sense of duty we owe to the profession and the public, as we are of opinion that the substitution of any other than Collis Browne's is an admissible breach of faith on the part of the chemist to prescribe and patient alike.—We are, Sir, faithfully yours, SYMES & CO., Members of the Pharm. Society of Great Britain, His Excellency the Viceroy's Chemists.

**BRONCHITIS,  
CHOLERA,**

**DR. J. COLLIS BROWNE'S CHLORODYNE IS THE TRUE PALLIATIVE IN NEURALGIA, GOUT, CANCER, TOOTHACHE, RHEUMATISM.**  
**DR. J. COLLIS BROWNE'S CHLORODYNE** is a liquid medicine which assuages PAIN of EVERY KIND, affords a calm, refreshing sleep WITHOUT HEAD-ACHE, and INVIGORATES the nervous system when exhausted.

**DIARRHŒA,  
&c.**

**DR. J. COLLIS BROWNE'S CHLORODYNE** rapidly cuts short all attacks of **EPILEPSY, SPASMS, COLIC, PALPITATION, HYSERIA.**  
**IMPORTANT CAUTION.**—The IMMENSE SALE of this REMEDY has given rise to many UNREPUTABLE IMITATIONS. Be careful to observe Trade Mark. Of all Chemists, 1s. 11d., 2s. 9d., and 4s. 6d. **SOLE MANUFACTURER, J. T. DAVENPORT, 70 Collyer Street, London, E.C.**

IS THE GREAT SPECIFIC FOR CHOLERA.

**DIARRHŒA, DYSENTERY, GENERAL BOARD OF HEALTH REPORT** that it ACTS as a CHARM on doses generally sufficient.  
**DR. GIBBON, Army Medical Staff, Calcutta** states: "2 DOSES COMPLETELY CURED ME OF DIARRHŒA," from Symes & Co., Pharmaceutical Chemists, Simla, Jan. 5, 1880.  
**DR. J. T. DAVENPORT, London**, the widespread reputation this justly-esteemed medicine has earned for itself all over the East. As a remedy of general utility, we much question whether a better is imported, and we shall be glad to hear of its finding a place in every Anglo-Indian home. The other brands we are happy to say, are now relegated to the native bazaars, and, judging from their sale, we fancy their sojourn there will be but evanescent. We could multiply instances *ad infinitum* of the extraordinary efficacy of **DR. COLLIS BROWNE'S CHLORODYNE** in Diarrhœa and Dysentery, Spasms, Cramps, Neuralgia, the Vomiting of Pregnancy, and as a general sedative, that have occurred under our personal observation during many years. In Choleraic Diarrhœa, and even in the more terrible forms of Cholera itself, we have witnessed its surprisingly controlling power.

**COUGHS, COLDS, ASTHMA, BRONCHITIS.**  
**DR. J. COLLIS BROWNE'S CHLORODYNE.**—Dr. J. C. BROWNE (late Army Medical Staff) DISCOVERED A REMEDY to denote which he coined the word **CHLORODYNE**. Dr. Browne is the **SOLE INVENTOR**, and, as the composition of Chlorodyne cannot possibly be discovered by Analysis (organic substances defying elimination), and since the formula has never been published, it is evident that any statement to the effect that a compound is identical with Dr. Browne's Chlorodyne *must be false*.

This Caution is necessary, as many persons deceive purchasers by false representations.

**DR. J. COLLIS BROWNE'S CHLORODYNE.**—Vice Chancellor Sir W. PAGE WOOD stated publicly in Court that Dr. J. COLLIS BROWNE was UNDOUBTEDLY the INVENTOR of CHLORODYNE; that the whole story of the defendant Freeman was deliberately untrue, and he regretted to say it had been sworn to. *Times*, July 13th, 1864.

The No. 4 **YÖST**  
IS THE LATEST  
AND MOST MARVELLOUS  
WRITING MACHINE  
THE WORLD HAS EVER SEEN. **TYPEWRITER**

All YÖST Machines have been good—better than other Typewriters—but  
the No. 4.

The 1895 YÖST,

Surpasses all previous productions. Send for full particulars.

**THE YÖST SAVES TIME.**

It enables you to write two or three times as fast as with the Pen, and to make several copies at one operation. It is **SIMPLE, DURABLE, ECONOMICAL.**  
Can you afford to do without it?

The YÖST Typewriter Co., Ltd.,  
40 Holborn Viaduct, **LONDON, E.C.**

MANCHESTER: 3 Deansgate.

LIVERPOOL: 22a North John Street.

BIRMINGHAM: 73 Temple Row.

GLASGOW: 112 St. Vincent Street.

LEEDS: 21 New Station Street.

BELFAST: 9 Rosemary Street.

PARIS: 36 Boulevard des Italiens.

---

**HENRY SOTHERAN & CO.,**

Booksellers, Bookbinders & Publishers.

GENERAL AGENTS FOR ALL BOOK-BUYERS IN INDIA, THE  
COLONIES, AMERICA, AND ABROAD.

**A**LL NEW BOOKS OF THE DAY, MAGAZINES, and NEWSPAPERS (including  
FOREIGN), supplied promptly at best discount prices.

BOOKBINDING in every style; a speciality of **PLAIN STRONG BINDING** for Reading  
Clubs and Public Libraries. A Large Selection of **BOUND BOOKS** always in stock.

BOOKS SOUGHT FOR in Weekly Lists free of charge, and **COMMISSIONS** at SALES  
executed with care and judgment.

**SECOND-HAND BOOKS.**—Their stock of these is one of the largest in England, and is  
especially rich in the publications of learned societies and scientific and other periodicals,  
besides every department of general literature. Their **MONTHLY CATALOGUE** of new pur-  
chases (published for over forty years) sent post free.

**COLONIAL AND EXPORT DEPARTMENT.**—Although to this all  
the foregoing remarks apply, they would direct especial attention  
to their facilities for acting as **Literary Agents in Europe** for  
all classes of Book-buyers abroad. They can furnish references  
to many of the largest **Public Libraries and Book Clubs** in India,  
the Colonies, America, and elsewhere; and will send with pleasure  
any information as to terms and mode of doing business.

140 Strand, W.C., & 37 Piccadilly, W., London.

Telegraphic Address—**BOOKMEN, LONDON.** Code—**UNICODE** Estd. 1816.

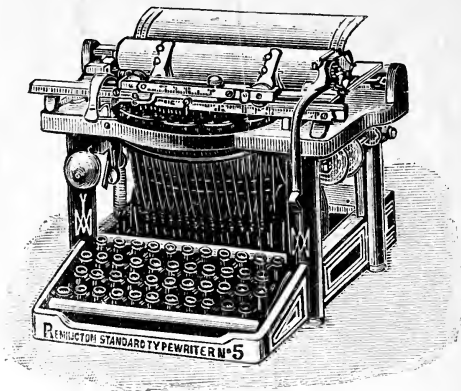
[End paper. Following Advertisements.

*By Special Warrants of Appointment to*



*H.M. The Queen. H.R.H. The Prince of Wales.  
Contractors to H.M. Government.*

# **THE REMINGTON TYPEWRITER**



makes no pretensions that are not supported by its record; advances no claims that the actual performance of each and every machine manufactured will not justify; varies not from one uniform standard of excellence in construction; and maintains, by means of timely and thoroughly tested improvements, its unquestionable pre-eminence as *the* Standard Writing-machine. Simple, Practical, Durable, Easy to Learn and Operate:

**SEND FOR CATALOGUE.**

**WYCKOFF, SEAMANS, & BENEDICT,  
100 GRACECHURCH STREET, LONDON, E.C.**

JA  
51  
S7

The Statesman's year-book

1895  
cop.3

3,

J  
W  
B  
T  
J  
A  
C  
R

x, Bart.,

DNOR.

P  
th

**PLEASE DO NOT REMOVE  
SLIPS FROM THIS POCKET**

by the  
arts of

ti  
ha  
w  
it  
lo

omp-  
ments  
tions  
since  
; for

Lo  
th

**UNIVERSITY OF TORONTO  
LIBRARY**

Offices  
its of

