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THE MINERAL INDUSTRY  
of the British Empire and  
Foreign Countries

STATISTICAL SUMMARY

(PRODUCTION, IMPORTS AND EXPORTS)

1934-1936



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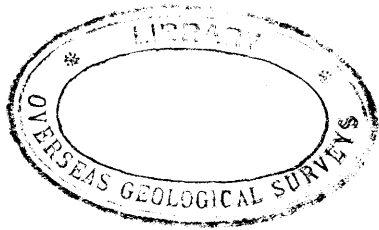
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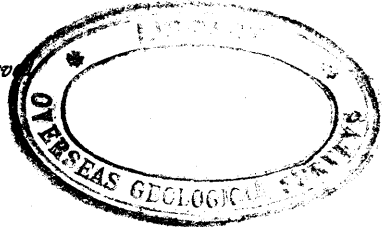
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LONDON

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# IMPERIAL INSTITUTE

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THE Imperial Institute was established to promote the industrial utilization of the raw materials of the Empire.

The technical work of the Institute is carried out by two principal Departments, viz., a Plant and Animal Products Department and a Mineral Resources Department.

*Intelligence.*—Special sections deal with enquiries relating to the sources, production, uses and marketing of raw materials, and with the collection and dissemination of general and statistical information concerning them.

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*Publications.*—Numerous publications of an authoritative character are issued containing information dealing with the various raw materials and the related industries. Details of the principal publications are given at the end of this volume.

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## INTRODUCTORY NOTE

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Throughout the trade statistics in this document, materials imported or exported on government account have been included as far as possible.

Trade statistics for the United Kingdom include the trade of Great Britain and Northern Ireland with the Irish Free State, and exclude the direct foreign trade of the Irish Free State, which is given separately.

The trade of the Saar territory prior to February 18, 1935, is recorded with the trade of France, on and after that date it is recorded with the trade of Germany.

Trade statistics for Japan do not include trade between that country and the rest of the Japanese Empire. Trade figures for Korea and Formosa include the trade with all other parts of the Japanese Empire.

Except where otherwise stated the trade figures are intended to represent imports for home consumption and exports of domestic produce. In the case of foreign countries, however, many countries include a certain amount of "nationalised" goods, *i.e.* goods originally imported, but which, if dutiable, have been charged with duty and subsequently re-exported. Goods imported for "improvement" and re-exported after "improvement" are also generally included.

The units of quantity adopted are the cwt. of 112 lb. (avdp.); ton of 2,240 lb. (avdp.); imperial gallon and metric carat. For precious metals the troy ounce of 480 grains is used.

Further particulars relating to the various minerals and metals referred to in this summary will be found in the monographs published by the Mineral Resources Department of the Imperial Institute (see lists at the end of this volume). These monographs contain much information which has a bearing on the statistical data recorded in this volume.

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## ABRASIVES

### PRODUCTION OF NATURAL ABRASIVES (Long tons)

Producing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE.</b>			
Union of South Africa—			
Corundum .. .. .	2,859	4,263	4,332
Canada—			
Grindstones .. .. .	315	632	514
Pulpstones .. .. .	467	257	149
Sharpening stones .. .. .	99	42	(a)
Cyprus—			
Pumice .. .. .	1,287	2,331	313
India—			
Corundum .. .. .	—	28	—
Garnet sand .. .. .	225	325	5
Australia—			
Emery .. .. .	—	10	—
New Zealand—			
Pumice (b) .. .. .	2,491	3,300	3,242
<b>FOREIGN COUNTRIES.</b>			
Belgium—			
Grindstones ( <i>number</i> ) .. .. .	45,380	55,300	(a)
France—			
Millstones .. .. .	22,800	14,100	(a)
Sharpening stones .. .. .	150	250	(a)
Germany (Bavaria only)—			
Emery .. .. .	266	197	220
Whetstones .. .. .	9	—	—
Greece—			
Emery .. .. .	9,888	15,000	(a)
Pumice ( <i>number</i> ) .. .. .	6,150	35,101	(a)
Millstones ( <i>number</i> ) .. .. .	1,484	—	(a)
Italy—			
Pumice .. .. .	59,606	108,110	96,269
Millstones .. .. .	79	118	632
Sharpening stones .. .. .	1,014	(a)	(a)
Whetstones .. .. .	606	686	509
Sweden—			
Millstones, etc. .. .. .	130	58	113

(a) Information not available.

(b) From quarries controlled under the Stone Quarries Act.

PRODUCTION OF NATURAL ABRASIVES (*Cont.*)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Yugoslavia—			
Millstones ( <i>number</i> ) .. ..	694	597	604
Egypt—			
Garnet .. .. .	—	50	—
Pumice .. .. .	3,948	2,013	2,061
Madagascar—			
Corundum .. .. .	—	—	83
United States (Sales)—			
Emery .. .. .	169	157	290
Garnet .. .. .	2,313	2,732	3,411
Pumice .. .. .	50,151	53,571	65,103
Tripoli .. .. .	18,329	24,442	25,435
Grindstones .. .. .	8,733	10,246	9,556
Pulpstones .. .. .	2,544	2,778	2,207
Oilstones, whetstones, etc. ..	354	392	671
Turkey—			
Emery .. .. .	7,671	11,802	11,377
Millstones ( <i>number</i> ) .. ..	(a)	5,014	5,757

Abrasives are also produced in other countries, statistics of which are not available.

The following artificial abrasives were produced in Canada (long tons):—

	1934	1935	1936
Silicon carbide (crude) .. ..	14,641	16,496	(a)
Fused alumina .. .. .	39,818	45,709	(a)

Artificial abrasives sold, shipped or used from plants in United States and Canada were (long tons):—

	1934	1935	1936
Silicon carbide, etc. .. ..	16,105	21,666	26,198
Aluminium oxide .. .. .	41,514	44,634	62,344
Metallic abrasives .. .. .	9,207	13,029	22,024

(a) Information not available.

EXPORTS OF ABRASIVES.  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Abrasives, natural and artificial	3,231	840	822
Grinding wheels of—			
Artificial corundum, etc. .. ..	406	406	251
Carborundum .. .. .	333	467	462
Emery .. .. .	149	204	155
Other hard abrasives .. ..	262	187	152
Grindstones and whetstones ..	4,807	5,588	5,427
Union of South Africa—			
Corundum .. .. .	2,426	4,481	4,320
Canada—			
Natural abrasives, including			
diatomaceous earth .. ..	1,180	497	431
Artificial abrasives .. ..	56,592	62,573	76,059
Artificial abrasive wheels, etc. ..	(£8,775)	(£10,497)	(£26,028)
Grindstones .. .. .	(£990)	(£15)	(£339)
Cyprus—			
Pumice .. .. .	1,286	2,443	312
Hong Kong (including re-exports)—			
Emery, etc. .. .. .	(£4,083)	(£4,036)	(£4,024)
Australia—			
Corundum, emery, etc.			
(£ Australian) .. .. .	(£405)	(£207)	(£369)
New Zealand—			
Pumice .. .. .	2,491	3,300	3,242
<b>FOREIGN COUNTRIES</b>			
Austria—			
Emery, etc. .. .. .	62	110	101
Pumice .. .. .	41	28	24
Millstones .. .. .	534	598	435
Grindstones, natural .. ..	121	120	182
do. artificial .. .. .	122	138	165
Belgium-Luxemburg E.U.—			
Millstones and grindstones, natural	239	236	320
do. do. artificial	168	155	197
Other abrasives .. .. .	136	116	92
Bulgaria—			
Millstones, grindstones, etc. ..	170	168	103



## EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Emery and pumice .. ..	94	76	100
Carborundum .. .. .	89	57	56
Grindstones, etc., natural ..	144	111	98
do. carborundum .. .. .	364	467	657
do. emery, etc. .. .. .	620	477	1,009
Other abrasives .. .. .	3	4	3
Finland—			
Grindstones, etc. .. .. .	206	238	497
France—			
Corundum and emery .. .. .	1,187	1,149	718
Millstones and grindstones ..	2,957	2,561	2,042
Whetstones .. .. .	281	228	169
Artificial abrasives .. .. .	3,113	4,422	4,202
Germany—			
Emery .. .. .	683	806	705
Carborundum .. .. .	4,720	5,082	6,015
Millstones, grindstones, etc. ..	9,717	9,512	9,562
Other abrasives .. .. .	9,047	8,551	7,968
Greece—			
Emery .. .. .	9,838	13,850	10,711
Hungary—			
Millstones and grindstones ..	16	9	17
Italy—			
Emery and corundum .. .. .	12	15	20
Pumice .. .. .	46,263	59,522	34,419
Whetstones, natural .. .. .	301	282	254
Grindstones, natural .. .. .	56	16	13
Millstones, natural .. .. .	6,233	2,618	23
Artificial abrasives .. .. .	12	13	21
Netherlands—			
Emery .. .. .	2,060	2,271	2,101
Norway—			
Millstones, grindstones, etc. ..	815	531	650
Poland—			
Millstones, grindstones, etc. ..	159	41	46
Sweden—			
Emery .. .. .	9	12	7
Other natural abrasives .. .. .	4	25	5
Carborundum, etc. .. .. .	416	913	673
Millstones, grindstones, etc. ..	806	1,217	1,157

## EXPORTS OF ABRASIVES (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Carborundum, emery, etc., crude	62	39	—
do. do. ground	384	369	568
Grindstones .. .. .	45	8	—
U.S.S.R. (Russia)—			
Abrasives .. .. .	(a)	126	56
Yugoslavia—			
Millstones .. .. .	196	240	121
Grindstones, natural .. ..	557	490	735
do. artificial .. ..	17	4	5
Egypt—			
Emery, pumice, etc. .. ..	2,130	2,408	1,135
Madagascar—			
Corundum .. .. .	—	12	66
United States—			
Wheels of emery and corundum ..	137	141	142
Grindstones .. .. .	2,005	2,465	2,214
Other natural abrasives .. ..	3,926	4,302	4,081
Crude artificial abrasives .. ..	9,860	11,423	12,768
Artificial abrasive wheels ..	1,362	1,394	2,284
Syria and Lebanon—			
Emery, pumice, etc. .. ..	1,258	5,272	260
Turkey—			
Emery and carborundum ..	13,271	11,439	13,156
Millstones and grindstones ..	77	53	93

(a) Information not available.

IMPORTS OF ABRASIVES  
(Less Re-exports)  
(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Emery .. .. .	5,930	8,134	7,367
Artificial corundum .. .. .	5,707	6,560	9,358
Carborundum, unground .. .. .	590	361	419
do., ground .. .. .	3,074	3,597	4,182
Other hard abrasives .. .. .	18,008	25,892	19,873
Grinding wheels of—			
Artificial corundum, etc. .. .. .	30	44	104
Carborundum .. .. .	159	244	193
Emery .. .. .	81	60	73
Other hard abrasives .. .. .	97	84	111
Grindstones and whetstones .. .. .	167	219	74
Irish Free State—			
Grindstones, oilstones, etc. .. .. .	138	176	175
Kenya and Uganda—			
Grindstones .. .. .	5	5	22
Mauritius—			
Grindstones .. .. .	(£276)	(£347)	(£586)
Seychelles—			
Grindstones ( <i>number</i> ) .. .. .	75	42	140
Union of South Africa—			
Emery .. .. .	9	10	11
Pumice .. .. .	203	275	403
Other abrasives .. .. .	(£4,111)	(£4,415)	(£4,039)
Emery and other wheels .. .. .	(£19,381)	(£23,577)	(£25,030)
Grindstones, millstones, etc. .. .. .	(£2,816)	(£1,921)	(£2,745)
Canada—			
Pumice, etc. .. .. .	(£5,032)	(£6,291)	(£4,278)
Emery, ground .. .. .	(£8,148)	(£8,552)	(£8,754)
Artificial abrasives, ground .. .. .	(£61,324)	(£88,854)	(£104,696)
Garnet ( <i>estimated</i> ) .. .. .	90	130	125
Buhrstones .. .. .	(£170)	(£43)	(£115)
Emery and artificial abrasives manufactures .. .. .	(£7,675)	(£8,860)	(£11,121)
Grindstones and wheels .. .. .	(£51,804)	(£46,663)	(£44,617)
Newfoundland (years ended June 30)			
Grindstones .. .. .	(£550)	(£695)	(£913)
Ceylon—			
Grindstones .. .. .	(£1,249)	(£1,352)	(£1,533)
Hong Kong (total imports)—			
Emery, etc. .. .. .	(£4,382)	(£7,849)	(£6,737)

## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
Palestine—			
Millstones .. .. .	(£1,830)	(£1,258)	(a)
Australia—			
Corundum, emery, etc. .. ..	(£4,226)	(£7,453)	(£9,054)
Pumice .. .. .	(£7,860)	(£9,314)	(£8,210)
New Zealand—			
Pumice .. .. .	6	20	11
Grindstones, etc. (£ New Zealand)	(£5,706)	(£6,059)	(£8,338)
FOREIGN COUNTRIES			
Austria—			
Emery, etc. . . . .	433	635	746
Pumice .. .. .	228	342	102
Millstones .. .. .	332	246	273
Grindstones, natural .. ..	1,161	957	1,177
do. artificial .. ..	206	205	236
Belgium-Luxemburg E.U.—			
Millstones and grindstones, natural	1,047	1,071	1,202
do. do. artificial	350	372	447
Other abrasives .. .. .	4,564	19,333	5,980
Bulgaria—			
Millstones, grindstones, etc. ..	164	168	299
Czechoslovakia—			
Emery .. .. .	507	568	765
Pumice .. .. .	26	28	25
Carborundum .. .. .	984	1,067	1,310
Grindstones, etc.—natural ..	685	697	589
do. carborundum .. ..	9	10	14
do. emery, etc. .. ..	64	82	108
Other abrasives .. .. .	2	2	2
Denmark—			
Emery, etc. .. .. .	239	316	260
Pumice .. .. .	228	528	263
Millstones and grindstones ..	440	463	471
Estonia—			
Pumice .. .. .	75	74	63
Grindstones—natural .. ..	387	482	354
do. artificial .. ..	16	23	26
Millstones .. .. .	44	35	38
Other abrasives .. .. .	73	110	116

(a) Information not available.

## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Finland (total imports)—			
Emery .. .. .	193	265	234
Pumice .. .. .	78	107	99
Other natural abrasives .. .. .	22	27	28
Whetstones, grindstones, etc.—			
Natural .. .. .	724	1,207	710
Artificial .. .. .	1,358	928	1,228
France—			
Corundum and emery .. .. .	1,827	2,790	2,215
Pumice .. .. .	17,660	27,897	28,211
Millstones and grindstones .. .. .	107	97	94
Whetstones .. .. .	310	284	667
Carborundum .. .. .	503	515	598
Other artificial abrasives .. .. .	1,034	476	905
Germany—			
Emery .. .. .	3,344	3,594	3,289
Carborundum .. .. .	1,747	725	646
Millstones, grindstones, etc. .. .. .	952	751	822
Other abrasives .. .. .	125	81	153
Hungary—			
Emery .. .. .	85	104	118
Millstones .. .. .	35	95	137
Grindstones .. .. .	867	1,025	998
Italy—			
Emery and corundum .. .. .	1,167	1,674	2
Pumice .. .. .	—	2	5
Artificial abrasives .. .. .	971	1,250	1,146
Whetstones, natural .. .. .	77	121	65
Grindstones, natural .. .. .	720	369	98
Millstones, natural .. .. .	91	76	93
do. artificial .. .. .	208	307	257
Latvia—			
Emery .. .. .	26	37	31
Pumice .. .. .	22	58	26
Grindstones, etc. .. .. .	175	204	414
Lithuania—			
Emery, etc. .. .. .	68	95	70
Millstones and grindstones .. .. .	235	157	133
Netherlands—			
Emery .. .. .	2,067	3,339	2,574
Norway—			
Emery grains .. .. .	448	510	554
Millstones, grindstones, etc. .. .. .	1,243	725	1,457

## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Poland—			
Millstones .. .. .	98	82	74
Other abrasives .. .. .	1,100	1,398	1,223
Portugal—			
Emery, etc. .. .. .	77	124	109
Roumania—			
Emery, etc. .. .. .	182	183	(a)
Millstones .. .. .	384	383	(a)
Grindstones .. .. .	566	120	(a)
Spain—			
Emery .. .. .	136	86	(a)
Carborundum .. .. .	41	52	(a)
Sweden—			
Emery .. .. .	686	805	926
Other natural abrasives .. .. .	1,368	1,889	1,999
Carborundum, etc. .. .. .	779	385	546
Millstones, grindstones, etc. .. .. .	1,651	1,781	1,810
Switzerland—			
Emery, crude .. .. .	278	351	404
Carborundum, emery, etc., ground	303	353	435
Millstones .. .. .	48	84	78
Grindstones .. .. .	634	492	601
Whetstones .. .. .	58	50	37
U.S.S.R. (Russia)—			
Abrasives .. .. .	943	992	1,787
Yugoslavia—			
Millstones .. .. .	51	49	52
Grindstones, natural .. .. .	47	55	87
do. artificial .. .. .	86	71	115
Other abrasives .. .. .	294	281	754
Algeria—			
Emery, corundum, etc. .. .. .	9	9	8
Pumice .. .. .	837	767	222
Millstones and grindstones .. .. .	98	161	225
Egypt—			
Emery, pumice, etc. .. .. .	79	54	45
Millstones .. .. .	269	321	109
Grindstones .. .. .	180	186	245
Whetstones .. .. .	46	26	33

(a) Information not available.

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Morocco—			
Millstones and grindstones ..	32	38	43
Tunis—			
Emery and pumice .. ..	72	83	196
Millstones and grindstones ..	30	12	27
Cuba (total imports)—			
Grindstones .. .. .	1,185	1,149	(a)
Mexico—			
Emery and carborundum .. ..	886	516	935
Millstones and grindstones ..	100	58	216
United States—			
Corundum, crude .. .. .	1,953	4,514	4,277
Emery, crude .. .. .	3,061	4,290	5,551
Corundum and emery, ground ..	41	51	174
Pumice .. .. .	6,331	7,805	6,287
Tripoli, etc. .. .. .	1,417	1,420	466
Grindstones .. .. .	338	534	728
Buhrstones, hones, etc. .. ..	81	108	100
Crude artificial abrasives.. ..	51,310	58,884	68,983
Argentina—			
Emery .. .. .	271	415	382
Pumice .. .. .	44	65	63
Grindstones .. .. .	484	738	546
Oil stones .. .. .	12	23	12
Chile—			
Emery, pumice, etc. .. .. .	12	20	42
Colombia—			
Emery and pumice .. .. .	7	22	26
Millstones and grindstones ..	31	36	10
Peru—			
Emery and pumice .. .. .	9	12	16
Grindstones .. .. .	10	12	10
Venezuela—			
Emery and pumice .. .. .	1	8	(a)
Millstones and grindstones ..	255	387	(a)
China—			
Corundum .. .. .	5	4	2
French Indo-China—			
Emery and corundum, ground ..	137	170	143
Pumice .. .. .	2	2	1
Grindstones and millstones ..	38	37	50

(a) Information not available.



IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Japan (total imports)—			
Abrasives .. .. .	4,103	4,477	3,989
Grindstones, artificial .. ..	33	37	38
Netherlands East Indies—			
Emery .. .. .	55	57	67
Syria and Lebanon—			
Emery .. .. .	31	26	2
Millstones and grindstones ..	70	116	38
Turkey—			
Emery and carborundum, crude	12	41	7
Millstones and grindstones ..	95	147	120
Whetstones, pumice, etc. . . .	14	43	41

**ALUMINIUM**  
**(Including Bauxite and Cryolite)**  
**PRODUCTION OF BAUXITE**  
**(Long tons)**

Producing Country	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Northern Ireland .. ..	57	—	—
British Guiana—(c)			
60% or more alumina .. ..	50,998	107,785	157,945
50-60% alumina .. ..	2,225	3,414	11,525
30-50% alumina (b) .. ..	11,666	26,410	39,851
Unfederated Malay States .. ..	—	—	36
India .. .. .	18	7,635	3,644
Australia .. .. .	1,113	1,156	740
Total .. ..	66,000	146,000	214,000
<b>FOREIGN COUNTRIES</b>			
Austria ( <i>estimated</i> ) .. ..	3,000	3,000	3,000
France .. .. .	520,150	504,750	638,250
Germany .. .. .	6,456	8,412	12,229
Greece .. .. .	—	9,339	(d) 84,657
Hungary .. .. .	182,069	207,745	360,717
Italy .. .. .	129,193	167,378	258,104
Roumania .. .. .	1,435	1,450	2,007
U.S.S.R. (Russia) ( <i>estimated</i> )	60,000	130,000	200,000
Yugoslavia .. .. .	83,489	212,694	287,560
Mozambique .. .. .	—	30	29
United States .. .. .	157,838	233,912	372,005
Brazil (exports) .. .. .	—	—	6,889
Dutch Guiana (exports) .. ..	99,412	113,370	230,215
French Indo-China .. .. .	—	—	30
Netherland East Indies .. ..	—	16,444	147,963
Total .. ..	1,240,000	1,610,000	2,600,000
WORLD'S TOTAL .. ..	1,310,000	1,760,000	2,810,000

(b) Ore remains at the mines.

(c) The shipments from mines of dried and washed ore were as follows:—

	1934	1935	1936
Metallurgical .. .. .	20,406	75,139	116,645
Chemical .. .. .	23,181	33,198	44,430
Refractory .. .. .	1,775	2,581	6,021

(d) Exports.

## PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1934 .. .. .	14,999
1935 .. .. .	23,104
1936 .. .. .	17,135

## ESTIMATED PRODUCTION OF ALUMINIUM

(Long tons)

Producing Country	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	12,700	14,900	16,000
Canada .. .. .	15,500	21,100	25,800
Total ..	28,200	36,000	41,800
FOREIGN COUNTRIES			
Austria .. .. .	2,000	2,200	2,200
Belgium .. .. .	100	(a)	(a)
France .. .. .	14,835	21,658	26,100
Germany (c) .. .. .	36,596	69,661	92,700
Hungary .. .. .	—	300	900
Italy (c) .. .. .	12,643	14,871	15,919
Norway (c) .. .. .	15,104	14,750	15,162
Spain .. .. .	(c) 1,211	1,200	600
Sweden (c) .. .. .	292	1,806	1,790
Switzerland .. .. .	8,000	11,600	15,600
U.S.S.R. (Russia) .. .. .	14,164	25,100	29,500
United States (c) (b) .. .. .	33,115	53,257	100,415
Japan .. .. .	700	3,950	4,000
Total ..	139,000	220,000	305,000
WORLD'S TOTAL .. .. .	167,000	256,000	347,000

(a) Information not available.

(b) Secondary metal was recovered as follows :—

1934 .. .. .	41,400 long tons
1935 .. .. .	45,900 " "
1936 .. .. .	46,000 " "

(c) Official figures.

EXPORTS OF ALUMINIUM, ETC.  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Alumina .. .. .	21,086	23,403	17,695
Ingots, etc., including alloyed ..	1,510	2,528	2,016
Sheets, tubes, etc., including alloyed .. .. .	3,910	3,596	2,930
Foil and alloyed .. .. .	484	681	529
Aluminium sulphates .. .. .	14,610	15,627	17,425
Canada—			
Blocks, bars, scrap, etc. .. ..	19,886	27,934	26,632
British Guiana—			
Bauxite .. .. .	50,605	111,500	170,153
British India—			
Bauxite .. .. .	2,404	(a)	(a)
British Malaya (including re- exports)—			
Aluminium sulphates .. .. .	3,892	1,092	1,188
Hong Kong (including re-exports)—			
Aluminium sulphates .. .. .	544	316	406
FOREIGN COUNTRIES			
Austria—			
Cryolite .. .. .	29	24	8
Crude, scrap and alloys .. .. .	2,563	2,256	2,720
Sheets, rods, wire, etc. .. .. .	16	10	7
Foil .. .. .	41	74	94
Aluminium sulphates .. .. .	21	81	3
Belgium-Luxemburg E.U.—			
Bauxite, etc. .. .. .	16	—	—
Aluminium hydrates .. .. .	19	14	21
Crude and scrap .. .. .	316	603	625
Sheets, wire, etc. .. .. .	51	84	452
Aluminium sulphates .. .. .	21,709	20,974	25,884
Czechoslovakia—			
Cryolite .. .. .	3	—	—
Denmark—			
Refined cryolite .. .. .	11,035	11,425	13,116

(a) Information not available.

## EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
France—			
Bauxite .. .. .	277,908	277,715	299,266
Alumina .. .. .	20,668	26,711	24,232
Aluminium hydrates .. .. .	2,639	8,164	7,544
Cryolite, artificial .. .. .	418	238	331
Ingots and scrap .. .. .	4,300	1,239	1,447
Sheets, wire, etc. .. .. .	693	696	1,103
Aluminium sulphates .. .. .	3,300	3,100	2,500
Germany—			
Bauxite and cryolite .. .. .	—	65	31
Crude, scrap and alloys .. .. .	691	245	240
Sheets, wire, castings, etc. .. .. .	3,857	4,726	7,820
Foil .. .. .	3,035	2,939	3,863
Aluminium sulphates, etc., including refined bauxite .. .. .	48,312	35,165	42,207
Greece—			
Bauxite .. .. .	—	12,942	84,657
Hungary—			
Bauxite .. .. .	104,513	223,984	337,515
Alumina and aluminium hydrates .. .. .	280	1,036	2,581
Crude, scrap and alloys .. .. .	22	12	16
Bars, sheets and wire .. .. .	9	27	49
Aluminium sulphates .. .. .	—	1	—
Italy—			
Bauxite .. .. .	(a)	108,987	123,461
Cryolite, artificial .. .. .	22	12	—
Alumina .. .. .	—	1,482	—
Crude, scrap and alloyed .. .. .	5,501	5,952	71
Sheets, tubes, etc. and alloyed .. .. .	264	77	5
Aluminium sulphates .. .. .	73	69	76
Netherlands—			
Crude and scrap .. .. .	659	829	763
Foil .. .. .	24	12	30
Norway—			
Alumina .. .. .	1,623	3,988	3,969
Ingots and scrap .. .. .	13,996	14,598	15,244
Bars, sheets, tubes and wire .. .. .	673	680	730
Poland—			
Crude and sheets .. .. .	43	79	39
Spain—			
Alumina .. .. .	9	4	(a)
Ingots and scrap .. .. .	50	73	(a)

(a) Information not available.

## EXPORTS OF ALUMINIUM, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Crude, sheets and strips .. ..	61	36	127
Aluminium sulphates .. ..	11,117	13,011	21,615
Switzerland—			
Alumina, etc. .. ..	2	10	1
Blocks, ingots, etc., and scrap ..	4,555	11,140	13,218
do. (alloys) .. ..	1,753	1,899	2,647
Bars, sheets, tubes and wire ..	1,930	1,961	2,625
do. (alloys) .. ..	297	458	851
U.S.S.R. (Russia)—			
Aluminium sulphates .. ..	134	69	153
Yugoslavia—			
Bauxite .. ..	90,370	168,542	249,088
Scrap .. ..	7	9	—
Aluminium hydrates .. ..	4,012	4,133	3,878
Algeria—			
Ingots .. ..	76	139	214
Morocco—			
Scrap .. ..	—	183	104
Greenland—			
Cryolite .. ..	14,999	23,104	17,135
United States—			
Bauxite, etc. .. ..	51,415	82,491	84,471
Ingots, scrap and alloys .. ..	3,595	1,500	426
Plates, sheets, etc. .. ..	140	272	291
Aluminium sulphates .. ..	27,573	29,545	25,703
Brazil—			
Bauxite .. ..	—	—	6,889
Dutch Guiana—			
Bauxite .. ..	99,412	113,370	230,215
China—			
Aluminium sulphates .. ..	4,314	796	1,097
French Indo-China—			
Bauxite .. ..	—	—	10
Scrap .. ..	18	4	4
Japan—			
Plates and sheets .. ..	342	1,002	858
Aluminium sulphates .. ..	(a)	4,716	5,257
Netherlands East Indies—			
Bauxite .. ..	—	9,766	112,283

(a) Information not available.

## IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Bauxite .. .. .	161,168	194,126	231,444
Cryolite .. .. .	1,430	1,992	2,650
Alumina .. .. .	25	15	7
Ingots, etc., including alloyed ..	14,221	17,982	21,719
Sheets, tubes, etc., including alloyed .. .. .	3,234	2,011	5,384
Foil and alloyed .. .. .	882	860	1,074
Aluminium sulphates .. .. .	13,204	7,721	6,614
Irish Free State—			
Ingots, sheets and foil .. .. .	(a)	102	144
Kenya and Uganda—			
Sheets and wire .. .. .	295	214	180
Tanganyika Territory—			
Sheets, strips and wire .. .. .	6	9	29
Union of South Africa—			
Ingots, bars, sheets, wire and foil	233	304	329
Aluminium sulphates .. .. .	144	90	94
Canada—			
Bauxite .. .. .	73,173	113,667	153,051
Cryolite .. .. .	149	153	2,655
Alumina .. .. .	47	73	69
Ingots, rods, sheets, scrap, etc. ..	938	1,020	1,227
Leaf and foil .. .. .	(£11,107)	(£13,415)	(£19,299)
Aluminium sulphates .. .. .	26,391	27,745	31,659
Newfoundland (years ended June 30)—			
Ingots, etc. . . . .	—	(£391)	(£553)
Aluminium sulphates .. .. .	(£5,665)	(£3,086)	—
British India—			
Ingots, blocks, bars, etc. . . . .	4	8	5
Sheets and circles .. .. .	1,943	3,047	2,479
Aluminium sulphates .. .. .	1,969	2,177	1,617
British Malaya (total imports)—			
Aluminium sulphates .. .. .	5,765	1,805	2,044
Ceylon—			
Foil .. .. .	152	198	240
Hong Kong (total imports)—			
Aluminium sulphates .. .. .	811	330	496

(a) Information not available.



## IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
Palestine—			
Sheets .. .. .	57	105	313
Australia—			
Cryolite .. .. .	215	232	114
Pigs, ingots, blocks and scrap ..	376	322	591
Sheets, wire, rods, etc. .. ..	929	1,117	1,443
Aluminium sulphates .. .. .	200	278	265
New Zealand—			
Bars, sheets, tubes, wire, etc. ..	34	51	48
FOREIGN COUNTRIES			
Austria—			
Bauxite .. .. .	531	728	823
Cryolite .. .. .	148	110	261
do. , artificial .. .. .	15	94	168
Alumina .. .. .	4,915	4,781	6,747
Aluminium hydrates .. .. .	852	1,164	603
Crude, scrap and alloys .. .. .	46	32	31
Sheets, rods, wire, etc. .. .. .	413	369	431
Foil .. .. .	32	32	42
Aluminium sulphates .. .. .	4	4	4
Belgium-Luxemburg E.U.—			
Bauxite, etc. .. .. .	1,026	1,421	809
Alumina .. .. .	55	31	333
Aluminium hydrates .. .. .	7,344	8,152	10,076
Crude and scrap .. .. .	1,278	1,497	2,719
Sheets, wire, etc. .. .. .	592	486	621
Aluminium sulphates .. .. .	1,651	2,416	1,897
Bulgaria—			
Crude, bars and sheets .. .. .	74	42	152
Aluminium sulphates .. .. .	628	494	604
Czechoslovakia—			
Cryolite .. .. .	276	365	286
Sheets and plates .. .. .	116	62	57
Foil .. .. .	118	127	100
Denmark—			
Crude cryolite .. .. .	11,736	16,601	5,276
Crude and scrap .. .. .	563	643	783
Bars, sheets and plates .. .. .	260	274	273
Leaf .. .. .	215	276	353
Aluminium sulphates .. .. .	1,669	2,056	1,557

## IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Crude, sheets, etc. .. ..	43	126	125
Aluminium sulphates .. ..	895	955	962
Finland (total imports)—			
Crude and scrap .. ..	29	32	41
Bars and sheets .. ..	152	212	302
Aluminium sulphates .. ..	7,135	8,282	7,859
France—			
Bauxite .. ..	2	29	—
Alumina .. ..	10	16	14
Aluminium hydrates .. ..	10	9	10
Cryolite, artificial .. ..	10	6	6
Ingots and scrap .. ..	156	345	1,194
Sheets, wire, etc. .. ..	843	691	734
Aluminium sulphates .. ..	1,082	856	668
Germany—			
Bauxite and cryolite .. ..	321,308	497,501	965,665
Crude, scrap and alloys .. ..	6,308	17,783	6,070
Sheets, wire, castings, etc .. ..	162	85	64
Aluminium sulphates, etc., including refined bauxite .. ..	52	1,518	59
Greece—			
Aluminium .. ..	118	113	223
Aluminium sulphates .. ..	772	538	854
Hungary—			
Alumina and aluminium hydrates .. ..	686	330	262
Crude, scrap and alloys .. ..	533	199	179
Bars, sheets and wire .. ..	6	8	16
Aluminium sulphates .. ..	261	317	101
Iceland—			
Aluminium sulphates .. ..	2	(a)	(a)
Italy—			
Bauxite .. ..	(a)	750	—
Alumina .. ..	2,100	2,500	7,388
Cryolite, artificial .. ..	302	59	274
Aluminium hydrates .. ..	35	358	308
Crude, scrap and alloys .. ..	26	250	391
Sheets, tubes, powder and alloys .. ..	71	124	424
Aluminium sulphates .. ..	986	1,120	440
Latvia—			
Ingots, sheets, scrap, etc. .. ..	109	176	150
Aluminium sulphates .. ..	1,180	1,497	1,126
Lithuania—			
Aluminium .. ..	78	44	93

(a) Information not available.

## IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Crude and scrap .. .. .	1,208	1,305	1,560
Foil .. .. .	561	618	656
Aluminium sulphates .. .. .	5,495	5,679	6,410
Norway—			
Bauxite .. .. .	29,483	32,055	23,666
Cryolite .. .. .	677	1,067	706
Alumina .. .. .	20,056	19,147	22,657
Crude aluminium .. .. .	15	76	(b) 530
Bars, sheets, etc. .. .. .	83	95	120
Aluminium sulphates .. .. .	4,260	4,799	4,354
Poland—			
Bauxite .. .. .	650	2,067	3,512
Cryolite .. .. .	108	87	113
Crude and scrap .. .. .	600	1,063	1,021
Sheets and wire .. .. .	181	157	177
Aluminium sulphates .. .. .	122	69	.32
Portugal—			
Aluminium and alloys .. .. .	120	158	180
Aluminium sulphates .. .. .	524	671	506
Roumania—			
Crude and scrap .. .. .	57	66	(a)
Sheets and wire .. .. .	53	92	(a)
Aluminium sulphates .. .. .	640	331	(a)
Spain—			
Alumina .. .. .	3,933	3,647	(a)
Ingots and scrap .. .. .	11	25	(a)
Bars, sheets, tubes and wire .. .. .	64	62	(a)
Aluminium sulphates, etc. .. .. .	184	151	(a)
Sweden—			
Crude .. .. .	2,332	1,615	666
Sheets and strips .. .. .	441	593	517
Aluminium sulphates .. .. .	2,615	915	592
Switzerland—			
Alumina, etc. .. .. .	15,788	23,843	24,945
Blocks, ingots, etc., and scrap .. .. .	3,481	2,780	3,376
do. (alloyed) .. .. .	3	1	3
Bars, sheets, tubes and wire .. .. .	10	13	5
do. (alloyed) .. .. .	5	17	8
Aluminium sulphates .. .. .	195	272	220
U.S.S.R. (Russia)—			
Cryolite .. .. .	1,964	—	—
Alumina .. .. .	6,733	3,916	744
Crude .. .. .	4,979	530	17
Sheets, etc. . . . .	31	79	84

(a) Information not available.

(b) Excess of re-exports.

## IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Aluminium hydrates .. ..	13	32	5
Crude and scrap .. ..	33	62	29
Sheets, pipes and wire .. ..	73	131	126
Aluminium sulphates .. ..	162	263	5
Algeria—			
Bauxite .. ..	14	—	—
Ingots, sheets, wire, etc. .. ..	25	15	18
Aluminium sulphates .. ..	237	184	198
Egypt—			
Crude, sheets, scrap, etc. .. ..	50	60	81
Foil .. ..	32	45	37
Aluminium sulphates .. ..	588	618	665
Madagascar—			
Aluminium sulphates .. ..	46	37	36
Morocco—			
Bars, sheets and wire .. ..	16	28	22
Aluminium sulphates .. ..	143	184	176
Tunis—			
Aluminium sulphates .. ..	90	98	105
Guatemala—			
Aluminium sulphates .. ..	163	211	226
Mexico—			
Ingots, bars and sheets .. ..	19	7	269
United States—			
Bauxite .. ..	166,653	199,959	322,790
Cryolite .. ..	4,450	8,299	12,616
Crude, scrap, etc. .. ..	8,202	9,409	11,231
Sheets, bars, etc. .. ..	98	96	180
Refined bauxite .. ..	73	67	117
Aluminium sulphates .. ..	414	900	1,835
Argentina—			
Ingots, sheets and wire .. ..	534	565	753
Aluminium sulphates .. ..	6,406	10,184	11,173
Brazil (total imports)—			
Bars, sheets and wire .. ..	633	1,088	1,072
Chile—			
Bars and sheets .. ..	23	56	61
Aluminium sulphates .. ..	43	3	17

## IMPORTS OF ALUMINIUM, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Colombia—			
Ingots, bars, etc. .. ..	15	121	230
Aluminium sulphates .. ..	377	(a)	114
Peru—			
Aluminium sulphates .. ..	137	230	359
Venezuela—			
Crude .. ..	4	6	(a)
Aluminium sulphates .. ..	23	45	(a)
China—			
Crude .. ..	776	723	1,228
Sheets and wire .. ..	659	711	498
Formosa—			
Aluminium sulphates .. ..	86	39	(a)
French Indo-China—			
Ingots and scrap .. ..	1	—	21
Sheets .. ..	50	138	122
Aluminium sulphates .. ..	597	719	877
Iraq—			
Bars, sheets, wire, etc. .. ..	4	37	63
Aluminium sulphates .. ..	112	206	198
Japan (total imports)—			
Cryolite .. ..	633	569	966
Ingots, blocks, etc. .. ..	5,257	9,620	8,869
“Manchoukuo”—			
Foil .. ..	218	241	330
Netherlands East Indies—			
Ingots, sheets, wire and alloys .. ..	558	668	543
Aluminium sulphates .. ..	10,212	2,596	3,125
Syria and Lebanon—			
Aluminium sulphates .. ..	57	86	73
Turkey—			
Bars, sheets, wire and alloys .. ..	56	116	51
Aluminium sulphates .. ..	239	223	333

(a) Information not available.

## ANTIMONY

### PRODUCTION OF ANTIMONY ORE

(In terms of metal)

(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Southern Rhodesia .. .. .	—	—	84
Union of South Africa .. .. .	—	5	17
India ( <i>estimated</i> ) .. .. .	—	10	40
Australia .. .. .	9	20	(a)
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	—	—	123
Czechoslovakia .. .. .	1,142	2,391	1,020
France .. .. .	261	—	(a)
Greece .. .. .	90	40	(a)
Italy .. .. .	355	446	526
Portugal .. .. .	—	—	23
Yugoslavia .. .. .	—	200	1,600
Algeria .. .. .	650	1,988	1,217
Morocco (French) .. .. .	—	220	103
Morocco (Spanish) .. .. .	309	(a)	(a)
Mexico .. .. .	2,626	4,498	7,188
United States (b) .. .. .	361	499	674
Bolivia (exports) .. .. .	1,182	3,348	6,421
Honduras .. .. .	—	5	1
Peru .. .. .	73	308	1,224
China .. .. .	15,200	18,000	17,000
French Indo-China .. .. .	—	20	46
Japan ( <i>estimated</i> ) .. .. .	35	60	150
Korea .. .. .	—	2	(a)
Turkey .. .. .	33	101	562

(a) Information not available.

(b) Secondary metal was recovered as follows:—

1934	.. .. .	6,700 long tons.
1935	.. .. .	8,600 " "
1936	.. .. .	8,800 " "

EXPORTS OF ANTIMONY, ETC.  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Regulus, etc. . . . .	165	136	169
Southern Rhodesia—			
Antimony . . . . .	—	—	129
British Borneo (Sarawak)—			
Ore . . . . .	—	33	60
Hong Kong (including re-exports)—			
Ore . . . . .	—	918	1,045
Crude and regulus . . . . .	1	34	32
Australia—			
Ore (b) . . . . .	26	13	95
Lead residues ( <i>Sb content</i> ) (b) . . . . .	—	206	2
Regulus and alloys ( <i>£ Australian</i> )	—	(£2,009)	(£2,772)
<b>FOREIGN COUNTRIES</b>			
Austria—			
Ore . . . . .	—	10	119
Regulus . . . . .	15	—	—
Belgium-Luxemburg E.U.—			
Ore . . . . .	51	30	184
Regulus . . . . .	1,068	1,472	1,609
Czechoslovakia—			
Regulus . . . . .	839	1,536	1,072
France—			
Ore . . . . .	24	—	—
Crude and regulus . . . . .	34	810	210
Oxide, sulphide, etc. . . . .	148	156	308
Germany—			
Ore, including arsenical ores . . . . .	68	68	39
Regulus and scrap . . . . .	95	35	11
Italy—			
Regulus . . . . .	5	—	—
Netherlands—			
Regulus . . . . .	15	16	24
Portugal—			
Ore . . . . .	—	—	37
Spain—			
Sulphide . . . . .	9	42	(a)
Sweden—			
Ore . . . . .	117	120	140

(a) Information not available.

(b) Years ended June 30.



## EXPORTS OF ANTIMONY, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Ore .. .. .	21	20	60
Regulus .. .. .	2	13	484
Algeria—			
Ore .. .. .	1,742	4,016	445
Morocco—			
Ore .. .. .	59	303	193
Mexico—			
Ore and metal ( <i>Sb content</i> ) ..	2,375	4,338	7,341
Bolivia—			
Ore ( <i>Sb content</i> ) .. .. .	1,182	3,348	6,421
Peru—			
Ore and metal ( <i>Sb content</i> ) ..	99	308	1,224
China—			
Crude .. .. .	1,777	3,376	2,662
Regulus .. .. .	13,237	13,962	12,960
Oxide .. .. .	915	1,158	1,416
French Indo-China—			
Ore .. .. .	1	266	1,053
Japan—			
Regulus .. .. .	50	97	80
Turkey—			
Ore .. .. .	9	113	1,001
Regulus .. .. .	—	20	75

## IMPORTS OF ANTIMONY, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore, including crude .. ..	1,058	3,141	6,781
Regulus, etc. .. ..	4,380	3,225	3,646
Southern Rhodesia—			
Crude and Regulus .. ..	1	3	5
Union of South Africa—			
Crude and regulus .. ..	122	35	81
Canada—			
Regulus .. ..	279	414	571
Hong Kong (including re-exports)—			
Ore .. ..	25	867	1,176
Crude and regulus .. ..	7	18	24
Australia—			
Ore .. ..	282	60	166
Crude and regulus .. ..	31	15	84
Sulphide .. ..	191	3	21
New Zealand—			
Antimony .. ..	26	25	21
FOREIGN COUNTRIES			
Austria—			
Ore .. ..	20	19	20
Regulus .. ..	85	120	93
Belgium-Luxemburg E.U.—			
Ore .. ..	1,972	3,399	6,695
Regulus .. ..	554	542	323
Czechoslovakia—			
Regulus .. ..	6	7	16
Denmark—			
Regulus and scrap .. ..	161	191	132
Estonia—			
Crude and regulus .. ..	7	4	8
Finland (total imports)—			
Antimony .. ..	10	9	6
France—			
Ore .. ..	1,760	4,188	2,985
Crude and regulus .. ..	688	443	709
Oxide and sulphide .. ..	75	75	90

## IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Germany—			
Ore and matte .. .. .	394	386	851
Regulus and scrap .. .. .	2,745	2,076	2,072
Italy—			
Regulus .. .. .	134	714	769
Oxide .. .. .	99	81	17
Latvia—			
Regulus .. .. .	14	13	10
Sulphide .. .. .	2	2	2
Lithuania—			
Antimony .. .. .	2	2	2
Netherlands—			
Regulus .. .. .	82	137	97
Norway—			
Regulus .. .. .	41	60	36
Poland—			
Ore and regulus .. .. .	192	164	438
Oxide and sulphide .. .. .	105	106	115
Portugal—			
Crude and alloys .. .. .	6	12	8
Sulphide .. .. .	10	13	20
Roumania—			
Regulus .. .. .	53	55	(a)
Oxide and sulphide .. .. .	16	5	(a)
Spain—			
Regulus .. .. .	2	4	(a)
Sulphide .. .. .	27	36	(a)
Sweden—			
Ore .. .. .	138	380	126
Switzerland—			
Regulus .. .. .	109	135	132
U.S.S.R. (Russia)—			
Regulus .. .. .	1,260	2,340	2,337
Yugoslavia—			
Regulus .. .. .	41	6	1
Algeria—			
Regulus .. .. .	6	18	11
Canary Islands—			
Sulphide .. .. .	9	(a)	(a)
Morocco—			
Regulus .. .. .	13	52	4
Tunis—			
Regulus and sulphide .. .. .	5	6	6

(a) Information not available.

## IMPORTS OF ANTIMONY, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States—			
Ore ( <i>Sb content</i> ) .. .. .	2,582	4,096	9,889
Regulus and crude .. .. .	1,590	2,037	1,709
Oxide and sulphide .. .. .	263	558	1,084
Argentina—			
Regulus and crude .. .. .	64	84	143
Chile—			
Regulus .. .. .	14	20	17
Sulphide .. .. .	5	9	5
Peru—			
Regulus .. .. .	3	7	5
China—			
Regulus .. .. .	—	3	2
Sulphide .. .. .	13	12	21
French Indo-China—			
Ore .. .. .	—	10	827
Regulus .. .. .	6	6	3
Sulphide .. .. .	—	2	3
Japan (total imports)—			
Antimony and regulus .. .. .	2,534	3,119	3,547
Netherlands East Indies—			
Antimony .. .. .	10	31	39
Philippine Islands—			
Regulus, etc. .. .. .	19	25	12
Turkey—			
Regulus .. .. .	6	14	38

## ARSENIC

### PRODUCTION OF ARSENIC (Long tons)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
White arsenic and arsenic soot ..	185	172	153
Canada (sales)—			
White arsenic .. .. .	736	1,142	610
Australia—			
White arsenic .. .. .	2,230	2,840	3,691
FOREIGN COUNTRIES			
Belgium (exports)—			
White arsenic .. .. .	3,498	3,049	2,688
Czechoslovakia—			
Ore ( <i>As content</i> ) .. .. .	44	68	53
France—			
Ore ( <i>As content</i> ) .. .. .	6,899	3,538	(a)
White arsenic ( <i>As content</i> ) ..	8,463	5,794	(a)
Germany—			
Ore ( <i>As content</i> ) .. .. .	1,930	1,294	1,843
Greece—			
White arsenic .. .. .	147	164	(a)
Pyrites ( <i>As content</i> ) .. .. .	305	300	(a)
Portugal—			
Pyrites ( <i>As content</i> ) .. .. .	—	—	98
White arsenic .. .. .	40	74	148
Roumania—			
Pyrites ( <i>As content</i> ) .. .. .	12	29	30
Sweden—			
Ore ( <i>As content</i> ) .. .. .	28,166	24,032	22,944
White arsenic .. .. .	7,288	6,250	8,510
Mexico—			
White arsenic .. .. .	7,736	9,793	8,392
United States—			
White arsenic .. .. .	11,693	12,712	13,731

(a) Information not available.

PRODUCTION OF ARSENIC (*Cont.*)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Brazil—			
White arsenic .. .. .	689	681	720
China—			
Ore ( <i>b</i> ) .. .. .	1,187	1,200	( <i>a</i> )
Japan—			
White arsenic .. .. .	2,691	3,111	( <i>a</i> )
Korea—			
White arsenic .. .. .	327	367	( <i>a</i> )
Turkey—			
Ore ( <i>As content</i> ) .. .. .	13	27	16

White arsenic is also produced in Germany and U.S.S.R. (Russia).

(*a*) Information not available.

(*b*) Content varies from 20 to 60 per cent. arsenic.

## EXPORTS OF ARSENIC, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
White arsenic .. .. .	24	13	17
Other compounds of arsenic ..	113	159	237
Canada—			
White arsenic, etc. .. .. .	577	996	307
Hong Kong (including re-exports)—			
Arsenic .. .. .	11	5	11
Australia (years ended June 30)—			
Ore, etc. ( <i>As content</i> ) .. .. .	940	80	11
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Ore .. .. .	—	—	16
Sulphide .. .. .	15	25	49
Metallic arsenic .. .. .	—	1	14
White arsenic .. .. .	3,498	3,049	2,688
Czechoslovakia—			
White arsenic .. .. .	2	1	—
France—			
White arsenic .. .. .	7,389	5,524	2,818
Arsenate of lead .. .. .	574	452	433
Arsenate of soda .. .. .	261	169	189
Germany—			
Ore, including antimony ore ..	68	68	39
White arsenic, etc. .. .. .	2,709	5,421	2,695
Greece—			
White arsenic .. .. .	147	116	14
U.S.S.R. (Russia)—			
Arsenate of lime .. .. .	—	—	35

## EXPORTS OF ARSENIC, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Mexico—			
White arsenic ( <i>As content</i> ) ..	7,673	9,729	8,270
United States—			
White arsenic (estimated) ..	2,700	800	900
Arsenate of lead .. .. .	290	516	369
Arsenate of lime .. .. .	1,498	1,833	2,810
Peru—			
Bars of lead, etc. ( <i>As content</i> ) ..	—	8	5
China—			
Ore .. .. .	135	98	81
Arsenic .. .. .	48	36	60
Japan—			
White arsenic .. .. .	2,248	1,842	1,166
Arsenate of lead .. .. .	475	982	1,067
Turkey—			
Ore .. .. .	13	10	21



## IMPORTS OF ARSENIC, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
White arsenic .. .. .	5,803	4,702	5,278
Other compounds .. .. .	114	102	137
Union of South Africa—			
Arsenate of soda .. .. .	2,014	2,663	405
Canada—			
Sulphide .. .. .	15	12	8
White arsenic .. .. .	731	5	—
Arsenate of lead .. .. .	201	145	100
Other arsenates .. .. .	74	64	123
British India—			
Arsenic and its oxides .. .. .	121	151	164
Orpiment .. .. .	211	385	157
Hong Kong (total imports)—			
Arsenic .. .. .	4	2	14
Australia—			
White arsenic .. .. .	288	83	81
Other compounds .. .. .	232	631	1,095
New Zealand—			
White arsenic, etc. .. .. .	51	26	58
<b>FOREIGN COUNTRIES</b>			
Austria—			
Sulphide .. .. .	3	4	4
Belgium-Luxemburg E.U.—			
Ore .. .. .	1,913	2,344	1,922
Sulphide .. .. .	1	—	—
Metallic arsenic .. .. .	42	29	43
White arsenic .. .. .	110	14	113
Bulgaria—			
White arsenic .. .. .	3	10	1
Czechoslovakia—			
Sulphide .. .. .	76	74	99
Metallic arsenic .. .. .	12	9	11
White arsenic .. .. .	75	97	99

## IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
<b>FOREIGN COUNTRIES (Cont.)</b>			
France—			
Ore .. .. .	—	—	25
Sulphide .. .. .	49	35	73
Metallic arsenic .. .. .	25	24	25
White arsenic .. .. .	102	105	78
Arsenate of lead .. .. .	6	1	2
Germany—			
Ore .. .. .	433	—	113
White arsenic, etc. .. .. .	215	72	334
Italy—			
Metallic arsenic .. .. .	4	13	4
White arsenic .. .. .	568	932	1,152
Latvia—			
White arsenic .. .. .	8	16	8
Poland—			
Metallic arsenic .. .. .	6	2	1
White arsenic .. .. .	22	21	31
Sulphides .. .. .	5	8	9
Portugal—			
White arsenic .. .. .	21	15	10
Arsenates .. .. .	3	2	2
Roumania—			
White arsenic .. .. .	26	10	(a)
Spain—			
Arsenic .. .. .	27	7	(a)
U.S.S.R. (Russia)—			
Arsenate of lime .. .. .	—	—	643
Yugoslavia—			
Metallic and white arsenic .. .. .	17	12	19
Sulphide .. .. .	1	6	5
Algeria—			
White arsenic .. .. .	1	3	—
Sulphide .. .. .	4	6	3
Arsenates .. .. .	725	513	514
Madagascar—			
Arsenates .. .. .	10	9	11
Mozambique—			
Arsenate of soda .. .. .	54	34	16
Tunis—			
Sulphide .. .. .	7	5	10
Arsenates .. .. .	1	1	1

(a) Information not available.

## IMPORTS OF ARSENIC, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States—			
Metallic arsenic .. .. .	28	29	36
White arsenic .. .. .	12,598	13,460	15,702
Sulphide .. .. .	281	317	159
Arsenates of lime and soda ..	14	87	367
Argentina—			
Sulphide .. .. .	12	32	27
White arsenic .. .. .	723	680	884
Compounds.. .. .	2	4	—
Chile—			
White arsenic .. .. .	3	24	8
Arsenate of lead .. .. .	52	34	72
Other arsenic compounds.. ..	3	1	1
Colombia—			
White arsenic, etc... .. .	1	1	29
Peru—			
Arsenate of lead .. .. .	2	—	5
Arsenate of lime .. .. .	837	1,695	1,656
Uruguay—			
White arsenic .. .. .	530	592	678
French Indo-China—			
Arsenic compounds .. .. .	4	3	9
Netherlands East Indies—			
Arsenate of lead .. .. .	535	703	455
Turkey—			
Arsenic compounds .. .. .	15	27	19

**ASBESTOS**
**PRODUCTION OF ASBESTOS**  
 (Long tons)

Producing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Southern Rhodesia .. .. .	28,762	38,034	50,309
Union of South Africa—			
Amosite .. .. .	2,552	4,031	5,323
Blue .. .. .	2,413	2,097	2,955
Chrysotile .. .. .	11,186	12,105	13,469
Anthophyllite .. .. .	—	—	65
Canada—			
Chrysotile (b) .. .. .	143,439	190,618	271,777
<i>Crude</i> .. .. .	1,485	2,034	3,071
<i>Fibre</i> .. .. .	69,165	91,313	119,007
<i>Shorts</i> .. .. .	68,618	94,570	146,928
<i>Sand and gravel (waste rock only)</i>	4,171	2,701	2,771
Actinolite .. .. .	27	—	—
Cyprus .. .. .	7,081	7,493	9,202
India .. .. .	25	63	57
Australia .. .. .	170	170	239
Total .. .. .	196,000	255,000	353,000
<b>FOREIGN COUNTRIES.</b>			
Bulgaria .. .. .	3	3	—
Czechoslovakia .. .. .	2,100	2,600	2,700
Finland .. .. .	3,629	3,400	7,000
France .. .. .	400	450	(a)
Greece .. .. .	30	2	(a)
Italy .. .. .	2,216	(a)	(a)
U.S.S.R. (Russia) .. .. .	90,740	93,975	123,141
United States (sales)—			
Chrysotile .. .. .	} 5,843	8,406	9,322
Amphibole .. .. .			361
Argentina .. .. .	—	13	(a)
China .. .. .	285	(a)	(a)
French Indo-China .. .. .	—	—	5
Japan (estimated) .. .. .	1,000	1,000	1,000
Korea .. .. .	—	6	(a)
Turkey .. .. .	4	102	117
Total .. .. .	106,000	113,000	147,000
<b>WORLD'S TOTAL .. .. .</b>	<b>302,000</b>	<b>368,000</b>	<b>500,000</b>

(a) Information not available.

(b) Sales and shipments.

EXPORTS OF ASBESTOS  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Unmanufactured—			
Crude and fibre .. .. .	412	182	299
Waste, including asbestic .. .. .	6	23	137
Packing, etc. .. .. .	3,421	4,768	4,061
Cement products .. .. .	11,478	11,904	16,121
Yarn and cloth .. .. .	639	811	812
Other manufactures .. .. .	3,085	3,051	3,465
Southern Rhodesia—			
Unmanufactured .. .. .	28,626	40,435	45,738
Manufactured .. .. .	—	(£109)	(£50)
Union of South Africa—			
Unmanufactured .. .. .	15,565	21,173	22,061
Manufactured .. .. .	(£46)	(£108)	(£644)
Canada—			
Unmanufactured .. .. .	74,346	89,452	121,917
Sand and waste .. .. .	66,944	89,308	140,784
Manufactured .. .. .	(£28,188)	(£35,639)	(£35,198)
British Malaya (including re-exports)—			
Manufactured .. .. .	48	101	110
Cyprus—			
Unmanufactured .. .. .	7,590	7,513	9,506
Hong Kong (including re-exports)—			
Packing .. .. .	(£1,033)	(£872)	(£900)
Other manufactures .. .. .	(£1,327)	(£664)	(£902)
Australia—			
Packing (£ Australian) .. .. .	(£2,743)	(£1,686)	(£1,167)
<b>FOREIGN COUNTRIES</b>			
Austria—			
Unmanufactured .. .. .	85	106	57
Spun and woven .. .. .	57	66	56
Paper and board .. .. .	168	155	73
Cement sheets .. .. .	11	12	4
Other manufactures .. .. .	27	20	31
Belgium-Luxemburg E.U.—			
Unmanufactured .. .. .	803	202	575
Spun and woven .. .. .	82	91	108
Paper and board .. .. .	492	724	802
Cement sheets and tiles .. .. .	51,613	58,731	62,247
Other manufactures .. .. .	6	5	2

## EXPORTS OF ASBESTOS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Unmanufactured .. .. .	545	358	501
Spun and woven .. .. .	35	58	75
Paper and board .. .. .	575	635	502
Other manufactures .. .. .	37	54	47
Finland—			
Unmanufactured .. .. .	(a)	1,246	2,142
France—			
Spun and woven .. .. .	181	192	191
Paper and board .. .. .	119	121	86
Germany—			
Unmanufactured .. .. .	187	217	170
Spun and woven .. .. .	399	492	566
Paper and board .. .. .	1,561	2,142	3,387
Other manufactures .. .. .	681	887	998
Hungary—			
Manufactured .. .. .	109	101	91
Italy—			
Unmanufactured .. .. .	497	809	1,858
Spun and woven .. .. .	69	115	46
Paper and board .. .. .	51	45	25
Cement products .. .. .	3,901	10,916	10,739
Other manufactures .. .. .	36	322	74
Netherlands .. .. .	5	50	110
Poland.. .. .	35	32	24
Spain—			
Manufactured .. .. .	15	277	(a)
Sweden—			
Unmanufactured .. .. .	5	30	39
Manufactured .. .. .	9	10	16
Switzerland (including mica)—			
Unmanufactured .. .. .	20	11	13
Manufactured .. .. .	191	181	149
U.S.S.R. (Russia)—			
Unmanufactured .. .. .	33,183	24,713	25,734
Manufactured .. .. .	96	19	8
United States—			
Unmanufactured .. .. .	1,490	759	3,343
Spun and woven .. .. .	553	639	594
Paper and board .. .. .	537	685	563
Brake linings .. .. .	(£170,800)	(£180,000)	(£190,800)
Clutch facings .. .. .	(a)	(a)	(£15,500)
Pipe covering and cement .. .. .	1,241	1,101	1,487
Roofing squares .. .. .	(£14,900)	(£21,800)	(£28,700)
Other manufactures .. .. .	713	823	1,209
Japan .. .. .			
Unmanufactured .. .. .	} (£43,686)	418	177
Manufactured .. .. .		2,602	4,007
“ Manchoukuo ” .. .. .	94	146	77

(a) Information not available.

## IMPORTS OF ASBESTOS

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Unmanufactured—			
Crude and fibre .. ..	25,953	31,367	39,446
Waste, including asbestic .. ..	593	314	2,598
Packing, etc. .. ..	27	34	38
Cement products .. ..	16,999	18,620	16,752
Yarn and cloth .. ..	28	18	13
Other manufactures .. ..	1,543	1,470	1,622
Irish Free State—			
Manufactured .. ..	5,518	3,682	1,626
Kenya and Uganda—			
Manufactured .. ..	183	458	201
Mauritius—			
Unmanufactured .. ..	(£111)	(£50)	(a)
Manufactured .. ..	(£689)	(£367)	(£383)
Seychelles—			
Cement sheets .. ..	11	2	70
Southern Rhodesia (total imports)—			
Packing .. ..	(£829)	(£969)	(£511)
Cement sheets .. ..	(£78)	(£899)	(£766)
Other manufactures .. ..	(£656)	(£1,330)	(£602)
South West Africa—			
Cement sheets .. ..	(£6)	(£26)	—
Other manufactures .. ..	(£2)	(£257)	(£1)
Tanganyika Territory—			
Manufactured .. ..	85	116	220
Union of South Africa—			
Packing .. ..	(£25,580)	(£51,333)	(£53,716)
Cement products .. ..	(£13,080)	(£10,451)	(£12,708)
Other manufactures .. ..	(£4,963)	(£4,421)	(£13,195)
Canada—			
Packing .. ..	74	54	75
Other manufactures .. ..	(£125,315)	(£133,270)	(£166,462)
Newfoundland (years ended June 30)—			
Asbestos .. ..	(£1,241)	(£815)	(£1,561)
British West Indies—			
Trinidad and Tobago—			
Cement products .. ..	(a)	266	523
Other manufactures .. ..	(a)	66	158
British India—			
Unmanufactured .. ..	951	1,135	1,246
Cement products .. ..	6,224	2,798	2,568
Packing .. ..	(£16,167)	(£14,204)	(£15,032)
Other manufactures .. ..	(£62,464)	(£54,464)	(£58,885)

(a) Information not available.

## IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
British Malaya—			
Manufactured .. .. .	2,666	3,230	5,731
Hong Kong (total imports)—			
Packing .. .. .	(£4,049)	(£7,004)	(£3,389)
Other manufactures .. .. .	(£6,258)	(£3,767)	(£3,144)
Palestine—			
Manufactured .. .. .	(£7,103)	(£5,961)	(a)
Australia—			
Crude .. .. .	2,471	4,423	7,817
Packing .. .. .	(£60,471)	(£67,206)	(£74,052)
New Zealand—			
Sheets, slates, tiles, etc. (£ N.Z.)..	(£11,594)	(£16,873)	(£22,645)
FOREIGN COUNTRIES			
Austria—			
Unmanufactured .. .. .	1,159	2,696	2,360
Spun and woven .. .. .	23	29	35
Paper and board .. .. .	23	13	11
Cement sheets .. .. .	8	25	40
Other manufactures .. .. .	25	32	35
Belgium-Luxemburg E.U.—			
Unmanufactured .. .. .	10,626	11,932	17,356
Spun and woven .. .. .	110	130	124
Paper and board .. .. .	73	152	180
Other manufactures .. .. .	7	6	7
Bulgaria—			
Unmanufactured .. .. .	3	6	4
Manufactured .. .. .	29	35	54
Czechoslovakia—			
Unmanufactured .. .. .	4,860	3,349	8,948
Spun and woven .. .. .	10	10	10
Paper and board .. .. .	16	28	22
Other manufactures .. .. .	16	21	32
Denmark—			
Unmanufactured .. .. .	1,023	2,084	2,368
Spun and woven .. .. .	13	21	37
Paper and board .. .. .	410	387	366
Estonia—			
Unmanufactured .. .. .	23	33	63
Manufactured .. .. .	34	44	53
Finland (including mica) (b)—			
Unmanufactured .. .. .	84	214	143
Manufactured .. .. .	134	235	211

(a) Information not available.

(b) Total imports.



## IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
France—			
Unmanufactured .. .. .	10,059	11,936	15,100
Spun and woven .. .. .	73	45	36
Paper and board .. .. .	183	119	95
Brake linings, etc .. .. .	9	93	126
Germany—			
Unmanufactured .. .. .	19,836	21,540	16,280
Spun and woven .. .. .	18	16	17
Paper and board .. .. .	52	65	14
Paint and cement products .. .. .	22	—	1
Other manufactures .. .. .	52	15	15
Greece .. .. .	75	89	70
Hungary—			
Unmanufactured .. .. .	617	886	(a)
Manufactured .. .. .	162	217	154
Iceland—			
Manufactured .. .. .	28	(a)	(a)
Italy—			
Unmanufactured .. .. .	8,288	5,054	4,483
Spun and woven .. .. .	146	145	78
Paper and board .. .. .	204	197	145
Cement products .. .. .	110	69	38
Other manufactures .. .. .	7	4	13
Latvia—			
Unmanufactured .. .. .	22	87	371
Manufactured .. .. .	52	69	52
Lithuania .. .. .	20	21	44
Netherlands .. .. .	283	420	593
Norway .. .. .	745	840	1,509
Poland—			
Unmanufactured .. .. .	797	869	1,108
Manufactured .. .. .	57	93	85
Portugal—			
Unmanufactured .. .. .	340	563	486
Manufactured .. .. .	59	69	57
Roumania—			
Unmanufactured .. .. .	120	95	(a)
Manufactured .. .. .	207	163	(a)
Spain—			
Unmanufactured .. .. .	4,628	4,957	(a)
Spun and woven .. .. .	92	98	(a)
Other manufactures .. .. .	139	134	(a)

(a) Information not available.

## IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Unmanufactured .. .. .	1,676	3,530	2,665
Manufactured .. .. .	1,030	1,316	1,294
Switzerland (including mica)—			
Unmanufactured .. .. .	771	1,034	1,020
Manufactured .. .. .	765	678	567
U.S.S.R. (Russia)—			
Unmanufactured .. .. .	93	4	1
Manufactured .. .. .	18	33	29
Yugoslavia—			
Unmanufactured .. .. .	866	1,585	386
Spun and woven .. .. .	42	52	48
Paper and board .. .. .	97	117	125
Other manufactures .. .. .	17	20	19
Algeria—			
Unmanufactured .. .. .	36	44	48
Manufactured .. .. .	64	46	69
Canary Islands—			
Manufactured .. .. .	103	(a)	(a)
Egypt—			
Unmanufactured .. .. .	95	145	108
Paper and board .. .. .	71	192	84
Other manufactures .. .. .	(£12,166)	(£13,395)	(£13,668)
Mexico—			
Unmanufactured .. .. .	(a)	265	541
Manufactured .. .. .	359	897	369
United States—			
Unmanufactured (b)—			
Crude .. .. .	3,198	3,519	7,064
Mill fibre .. .. .	37,464	56,338	71,128
Other .. .. .	66,779	88,882	139,310
Manufactured .. .. .	190	183	(a)
Argentina—			
Spun and woven .. .. .	223	391	362
Paper and board .. .. .	543	581	844
Packing .. .. .	108	136	98
Brazil (total imports)—			
Unmanufactured .. .. .	37	31	37
Manufactured .. .. .	562	797	1,346
Chile—			
Unmanufactured .. .. .	27	1	11
Manufactured .. .. .	305	508	562

(a) Information not available.

(b) Re-exports of unmanufactured were 172, 5 and 2 long tons in 1934, 1935 and 1936 respectively.

## IMPORTS OF ASBESTOS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Colombia—			
Unmanufactured .. .. .	37	39	64
Manufactured .. .. .	110	263	(a)
Venezuela—			
Unmanufactured .. .. .	37	2	(a)
Manufactured .. .. .	1	2	(a)
China .. .. .	575	555	672
French Indo-China—			
Manufactured .. .. .	37	38	32
Japan (total imports)—			
Unmanufactured .. .. .	20,191	21,237	25,761
Manufactured .. .. .	320	423	404
Korea—			
Unmanufactured .. .. .	89	179	451
“Manchoukuo” .. .. .	1,271	1,691	1,221
Netherlands East Indies—			
Unmanufactured .. .. .	14	51	60
Cement sheet .. .. .	3,505	4,409	4,175
Philippine Islands .. .. .	(£5,800)	(£8,800)	(£11,900)
Siam (total imports)—			
Cement sheets .. .. .	466	760	667

(a) Information not available.

## BARIUM MINERALS

### PRODUCTION OF BARIUM MINERALS (Long tons)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Barytes, unground .. ..	37,719	41,881	37,250
Witherite, unground .. ..	10,412	9,409	8,751
Barytes—			
Ground, bleached .. ..	5,548	6,288	5,731
do. unbleached .. ..	20,315	20,554	21,338
Southern Rhodesia .. ..	13	—	—
India .. ..	3,813	5,493	5,114
Australia .. ..	2,492	2,544	2,157
FOREIGN COUNTRIES			
Austria .. ..	1,009	784	1,637
Czechoslovakia .. ..	2,061	(a)	(a)
France .. ..	17,850	16,600	(a)
Germany—			
Baden .. ..	19,370	12,248	17,519
Bavaria .. ..	8,253	6,961	10,999
Prussia .. ..	321,164	321,786	385,910
Saxony .. ..	476	218	460
Thuringia .. ..	(a)	545	443
Wurtemberg .. ..	(a)	(a)	1,000
Greece .. ..	7,729	22,726	(a)
Italy .. ..	31,896	40,502	36,092
Norway .. ..	—	—	402
Portugal .. ..	—	—	10
Spain (b) .. ..	16,586	(a)	(a)
U.S.S.R. (Russia)—			
Barytes .. ..	73,600	(a)	(a)
Witherite .. ..	800	—	(a)
Egypt .. ..	49	84	30
United States.. ..	159,251	194,710	244,698
China .. ..	9,350	(a)	(a)
French Indo-China .. ..	—	—	39
Japan .. ..	—	—	3,776
Korea .. ..	5,841	10,853	(a)

(a) Information not available.

(b) In addition 147 cubic metres were produced in quarries during 1934.

## EXPORTS OF BARIUM MINERALS, ETC.\*

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Unground barytes .. ..	115	53	13
Ground barytes .. .. .	2,274	3,082	4,148
Dioxide .. .. .	326	377	257
Barium compounds, excluding blanc fixe .. .. .	5,127	4,834	3,702
FOREIGN COUNTRIES			
Austria—			
Barytes .. .. .	213	85	161
Carbonate and chloride .. ..	6	5	3
Belgium-Luxemburg E.U.—			
Barytes, including Iceland spar and cryolite .. .. .	589	365	530
Chloride .. .. .	4,405	4,951	3,315
Sulphate .. .. .	204	179	393
Sulphide .. .. .	39	5	23
Czechoslovakia—			
Barytes .. .. .	2,996	1,931	1,033
Chloride .. .. .	352	93	119
Sulphate .. .. .	157	108	70
France—			
Barytes .. .. .	1,352	2,660	1,096
Barium compounds .. .. .	1,891	1,127	1,585
Germany—			
Barytes and celestite .. ..	157,570	151,605	184,739
Witherite and strontianite .. ..	209	349	372
Carbonate .. .. .	3,382	3,739	3,851
Chloride .. .. .	2,425	2,803	2,608
Nitrate .. .. .	842	739	383
Sulphate .. .. .	6,142	5,142	5,599
Greece—			
Barytes .. .. .	(a)	3,681	31,791
Hungary—			
Ground barytes .. .. .	21	41	77

\* For lithopone see "Zinc," page 418.

(a) Information not available.

## EXPORTS OF BARIUM MINERALS, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Sulphate .. .. .	8,740	10,940	4,625
Chloride .. .. .	4	1	1
Hydrate .. .. .	138	306	149
Oxides .. .. .	—	83	—
Sulphide .. .. .	40	49	1
Latvia—			
Barytes .. .. .	17	—	—
Netherlands—			
Barytes .. .. .	137	68	79
U.S.S.R. (Russia)—			
Barytes .. .. .	10	2,823	—
Witherite .. .. .	58	—	—
Yugoslavia—			
Barytes .. .. .	1,872	2,190	2,299
do. ground .. .. .	118	202	192
Algeria—			
Barytes .. .. .	38	—	344
Korea—			
Barytes .. .. .	6,665	8,909	9,455

## IMPORTS OF BARIUM MINERALS, ETC.\*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Unground barytes .. .. .	20,804	28,615	32,860
Ground barytes .. .. .	14,895	16,520	19,446
Barium compounds, excluding blanc fixe .. .. .	1,533	1,953	1,655
Irish Free State—			
Ground barytes, including blanc fixe .. .. .	498	654	771
Union of South Africa—			
Barytes .. .. .	1,068	957	1,188
Carbonate and dioxide .. .. .	56	52	56
Canada—			
Barytes .. .. .	1,390	1,910	1,480
Blanc fixe .. .. .	432	509	475
Dioxide .. .. .	3	—	—
British West Indies—			
Trinidad and Tobago—			
Barytes .. .. .	14,255	13,935	25,498
British India—			
Barytes .. .. .	1,969	1,270	384
FOREIGN COUNTRIES			
Austria—			
Barytes .. .. .	1,037	2,083	1,640
Carbonate .. .. .	207	128	166
Chloride .. .. .	769	393	230
Belgium-Luxemburg E.U.—			
Barytes, including Iceland spar and cryolite .. .. .	26,174	33,415	32,749
Chloride .. .. .	927	698	769
Dioxide .. .. .	8	—	—
Sulphate .. .. .	895	789	815
Sulphide .. .. .	87	77	33
Czechoslovakia—			
Unground barytes .. .. .	1,249	157	252
Ground barytes .. .. .	923	935	1,252
Carbonate .. .. .	258	245	321
Chloride .. .. .	1	—	—
Sulphate .. .. .	14	56	22

\* For lithopone see "Zinc," page 422.

## IMPORTS OF BARIUM MINERALS ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Witherite .. .. .	413	351	426
Chloride .. .. .	61	59	41
Sulphate .. .. .	1,135	1,392	938
Estonia—			
Barytes, ground .. .. .	51	44	56
Sulphate .. .. .	13	1	3
Finland (total imports)—			
Barytes .. .. .	521	638	597
Witherite and magnesite .. .. .	806	1,164	1,200
Chloride .. .. .	96	42	20
France—			
Barytes .. .. .	30,870	32,615	33,003
Witherite .. .. .	295	135	399
Carbonate .. .. .	1	—	1
Chloride .. .. .	1,096	1,212	1,062
Nitrate .. .. .	53	55	14
Sulphate .. .. .	545	485	561
Sulphide .. .. .	3	49	56
Germany—			
Barytes and celestite .. .. .	3,222	2,493	3,200
Witherite and strontianite .. .. .	1,389	821	50
Carbonate .. .. .	—	1	—
Chloride .. .. .	29	—	—
Sulphate .. .. .	6	2	5
Hungary—			
Ground barytes .. .. .	647	684	348
Sulphate .. .. .	111	153	145
Italy—			
Carbonate .. .. .	276	373	187
Chloride .. .. .	521	197	77
Oxide and dioxide .. .. .	46	64	26
Sulphate .. .. .	500	292	216
Sulphide .. .. .	1	36	—
Latvia—			
Barytes .. .. .	77	122	157
Witherite .. .. .	—	6	1
Carbonate .. .. .	4	14	3
Chloride .. .. .	19	19	2
Oxide .. .. .	18	18	9
Sulphate .. .. .	8	10	10
Lithuania—			
Barytes and witherite .. .. .	168	88	34
Netherlands—			
Barytes .. .. .	14,967	22,549	17,216



## IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Poland—			
Barytes and witherite .. ..	3,112	3,559	3,480
Carbonate .. .. .	52	60	83
Chloride .. .. .	5	24	1
Oxide .. .. .	34	49	20
Sulphate .. .. .	204	231	156
Portugal—			
Barytes .. .. .	—	401	528
Chloride .. .. .	57	47	73
Dioxide .. .. .	4	6	3
Sulphate .. .. .	666	266	160
Roumania—			
Carbonate .. .. .	23	11	(a)
Chlorate .. .. .	—	2	(a)
Chloride .. .. .	102	167	(a)
Sulphate .. .. .	61	28	(a)
Sweden—			
Barytes and witherite .. ..	1,314	1,550	1,518
U.S.S.R. (Russia)—			
Barytes and witherite .. ..	—	5	53
Dioxide .. .. .	174	202	295
Sulphate .. .. .	—	27	—
Yugoslavia—			
Ground barytes .. .. .	33	10	—
Chloride .. .. .	89	77	—
Algeria—			
Barytes .. .. .	104	124	39
Carbonate .. .. .	53	—	(a)
Chloride .. .. .	75	10	172
Sulphate .. .. .	53	124	(a)
United States—			
Unground barytes .. .. .	35,742	42,007	30,217
Ground barytes .. .. .	1,663	2,995	2,565
Witherite .. .. .	2,106	2,352	2,200
Sulphate .. .. .	410	125	110
Barium compounds .. .. .	760	840	748
Argentina—			
Barytes .. .. .	4,224	4,841	3,254
Sulphate .. .. .	296	274	272
Barium compounds .. .. .	925	1,180	1,108
Chile—			
Sulphate .. .. .	2	1	3
Carbonate .. .. .	1	5	13
Chloride .. .. .	17	11	—
Oxides .. .. .	12	16	20

(a) Information not available.

## IMPORTS OF BARIUM MINERALS, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Peru—			
Barium compounds .. ..	77	109	94
China—			
Carbonate .. ..	9	9	6
Chloride .. ..	2	3	6
French Indo-China—			
Barytes .. ..	9	4	—
Chloride .. ..	19	14	16
Sulphate .. ..	19	14	12
Netherlands East Indies—			
Chloride .. ..	10	15	12
Turkey—			
Barium compounds .. ..	12	10	14

## BISMUTH

## PRODUCTION OF BISMUTH ORE, ETC.\*

(Cwt.)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
Union of South Africa—			
Ore ( <i>Bi content</i> ) .. .. .	—	4	—
Canada—			
Metal and content of bullion ..	2,265	123	3,251
India—			
Ore .. .. .	—	2	1
Australia—			
Ore, etc. .. .. .	297	470	361
FOREIGN COUNTRIES			
Germany (Saxony)—			
Ore ( <i>Bi content</i> ) .. .. .	(a)	80	(a)
Norway—			
Copper ore ( <i>Bi content</i> ) .. ..	—	16	11
Roumania—			
Ore .. .. .	—	280	900
Spain—			
Ore .. .. .	3,543	(a)	(a)
Metal .. .. .	905	(a)	(a)
Mexico—			
Ore ( <i>Bi content</i> ) .. .. .	2,033	4,204	3,259
Argentina—			
Ore .. .. .	180	1,300	(a)
Bolivia (exports)—			
Ore, etc. ( <i>Bi content</i> ) .. ..	993	412	1,257
Peru—			
Lead-silver bullion, etc. ( <i>Bi content</i> )	2,358	193	(a)
Metal .. .. .	3,014	2,967	7,598
China—			
Ore ( <i>Bi content</i> ) .. .. .	570	(a)	(a)
Japan—			
Metal .. .. .	991	1,060	1,100

\* Bismuth is also recovered as a by-product in the United Kingdom, France, Sweden, U.S.S.R. (Russia) and the United States.

(a) Information not available.

## EXPORTS OF BISMUTH, ETC.

*(Domestic Produce)*

(Cwt.)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Bismuth .. .. .	310	1,236	2,021
Hong Kong (including re-exports)—			
Ore .. .. .	150	394	1,100
FOREIGN COUNTRIES			
France—			
Bismuth .. .. .	4	22	157
Bismuth salts .. .. .	659	911	374
Germany—			
Bismuth salts .. .. .	1,016	1,695	1,685
Italy—			
Bismuth salts .. .. .	26	4	18
Spain—			
Bismuth .. .. .	396	894	(a)
Argentina—			
Ore .. .. .	224	159	—
Bolivia—			
Ore, etc. ( <i>Bi content</i> ) .. .. .	993	412	1,257
Peru—			
Bismuth .. .. .	5,927	2,593	7,592

(a) Information not available.

## IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Bismuth .. .. .	3,250	5,556	5,729
Canada—			
Bismuth .. .. .	36	18	(29lb.)
Bismuth salts .. .. .	(£4,406)	(£2,359)	(£3,432)
Hong Kong (total imports)—			
Ore .. .. .	214	573	599
Australia—			
Bismuth salts .. .. .	448	407	368
New Zealand—			
Bismuth and its salts (£ N.Z.) ..	(£5,530)	(£5,370)	(£4,872)
FOREIGN COUNTRIES			
Estonia—			
Bismuth salts .. .. .	9	10	10
France—			
Bismuth .. .. .	3,086	831	4,657
Bismuth salts .. .. .	—	4	2
Germany—			
Bismuth salts .. .. .	57	2	6
Italy—			
Bismuth salts .. .. .	146	165	333
Latvia—			
Bismuth salts .. .. .	25	24	19
Poland—			
Bismuth salts .. .. .	16	41	41
Roumania—			
Bismuth salts .. .. .	160	201	(a)
Spain—			
Bismuth salts .. .. .	86	108	(a)
U.S.S.R. (Russia)—			
Bismuth .. .. .	276	473	531
Algeria—			
Bismuth salts .. .. .	557	4	(a)

(a) Information not available.

## IMPORTS OF BISMUTH, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Bismuth .. .. .	2	3	4
United States—			
Bismuth .. .. .	173	911	1,013
Bismuth salts .. .. .	3	8	5
Argentina—			
Bismuth .. .. .	88	104	83
Bismuth salts .. .. .	260	252	203
Chile—			
Bismuth salts .. .. .	34	40	61
Colombia—			
Bismuth salts .. .. .	(a)	(a)	53
Peru—			
Bismuth salts .. .. .	21	29	49
Turkey—			
Bismuth .. .. .	2	2	1
Bismuth salts .. .. .	30	51	58

(a) Information not available.

## BORATES

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### PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Germany—			
Boracite .. .. .	7	15	(a)
Italy—			
Boric acid .. .. .	5,488	5,487	6,138
U.S.S.R. (Russia)—			
Borates .. .. .	100	4,500	(a)
United States—			
Borates .. .. .	216,518	243,721	280,142
Argentina—			
Borate of calcium .. .. .	1,508	1,251	(a)
Tibet (b)—			
Borax .. .. .	307	276	196
Turkey—			
Borates .. .. .	7,398	5,002	6,382

(a) Information not available.

(b) Imports into India from Tibet.

## EXPORTS OF BORATES

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Borates .. .. .	5	3	—
Borax .. .. .	1,816	2,346	1,958
Boric acid .. .. .	642	748	560
British India—			
Borax .. .. .	47	32	28
Hong Kong (including re-exports)—			
Borax .. .. .	309	281	484
FOREIGN COUNTRIES			
Austria—			
Borax .. .. .	8	6	3
Boric acid .. .. .	—	4	32
Belgium-Luxemburg E.U.—			
Borax .. .. .	146	197	204
Boric acid .. .. .	1	—	1
Czechoslovakia—			
Borax and boric acid .. .. .	2	1	15
France—			
Borax, borates and boric acid .. .. .	1,074	2,049	933
Germany—			
Borax and boric acid .. .. .	1,588	1,776	1,757
Italy—			
Borax .. .. .	1,353	859	1,385
Boric acid .. .. .	1,393	1,035	1,221
Netherlands—			
Borax .. .. .	507	144	181
Sweden—			
Borax and boric acid .. .. .	2	3	6
U.S.S.R. (Russia)—			
Boric acid .. .. .	14	18	2
United States—			
Crude borates and borax .. .. .	92,539	102,185	91,090
Boric acid .. .. .	3,707	3,911	4,133
Argentina—			
Borate of calcium .. .. .	92	369	3,671



EXPORTS OF BORATES (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Japan—			
Borax .. .. .	(a)	1,060	429
Boric acid .. .. .	(a)	129	111
Tibet (c)—			
Borax .. .. .	307	276	196
Turkey—			
Borates .. .. .	(b)	(b)	(b)

(a) Information not available.

(b) Not recorded separately. Imports into the United Kingdom and France from Turkey were as follows :—

	(Long tons)		
	1934	1935	1936
United Kingdom .. .. .	3,100	2,050	2,882
France .. .. .	899	2,638	(a)

(c) Imports into India from Tibet.

## IMPORTS OF BORATES

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Borates .. .. .	14,468	14,942	17,353
Borax .. .. .	10,849	9,139	8,802
Boric acid .. .. .	2,083	2,001	2,043
Irish Free State—			
Borax .. .. .	64	148	161
Boric acid .. .. .	38	50	70
Southern Rhodesia—			
Borax .. .. .	64	89	91
Boric acid .. .. .	2	3	1
Union of South Africa—			
Borax .. .. .	328	335	365
Boric acid .. .. .	132	124	134
Canada—			
Borax .. .. .	2,633	2,384	3,054
Boric acid .. .. .	466	526	397
British India—			
Borax .. .. .	1,561	1,971	1,323
Hong Kong (total imports)—			
Borax .. .. .	547	400	584
Australia—			
Borax .. .. .	1,310	1,409	1,751
Boric acid .. .. .	368	612	447
New Zealand—			
Borax .. .. .	226	176	348
Boric acid .. .. .	46	68	43
FOREIGN COUNTRIES			
Austria—			
Borax .. .. .	313	546	436
Boric acid .. .. .	12	65	81
Perborate of sodium .. .. .	475	429	499
Belgium-Luxemburg E.U.—			
Borax .. .. .	2,373	2,247	3,295
Boric acid .. .. .	185	271	275
Perborate of sodium .. .. .	277	261	206
Bulgaria—			
Borax and boric acid .. .. .	61	84	75

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Czechoslovakia—			
Borax .. .. .	2,064	2,815	1,297
Boric acid .. .. .	245	326	157
Denmark—			
Borates .. .. .	117	259	305
Borax and boric acid .. .. .	144	154	143
Estonia—			
Borax and boric acid .. .. .	16	23	31
Finland (total imports)—			
Borax .. .. .	206	265	242
Boric acid .. .. .	33	39	48
France—			
Borax and borates .. .. .	8,537	9,959	11,383
Perborate of sodium .. .. .	64	71	23
Boric acid .. .. .	475	457	362
Germany—			
Borates .. .. .	25,782	29,593	36,192
Borax and boric acid .. .. .	11,934	9,826	5,827
Greece—			
Borax .. .. .	127	158	79
Hungary—			
Borax and borates .. .. .	483	766	(a)
Boric acid .. .. .	100	85	137
Italy—			
Borax .. .. .	17	6	2
Boric acid .. .. .	3	3	1
Latvia—			
Boron minerals .. .. .	10	—	—
Borax and boric acid .. .. .	38	85	77
Perborate of sodium .. .. .	27	37	30
Lithuania—			
Borax and boric acid .. .. .	80	78	95
Netherlands—			
Borax .. .. .	2,188	2,383	3,444
Norway—			
Borax .. .. .	160	181	257
Boric acid .. .. .	38	55	61
Poland—			
Boron minerals and borax .. .. .	1,038	1,506	1,138
Boric acid .. .. .	1	1	2
Portugal—			
Borates .. .. .	357	577	544
Boric acid .. .. .	41	46	47

(a) Information not available.

## IMPORTS OF BORATES (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Borax .. .. .	284	294	(a)
Boric acid .. .. .	67	53	(a)
Spain—			
Boric acid .. .. .	58	58	(a)
Borates .. .. .	511	436	(a)
Sweden—			
Borax .. .. .	803	1,268	1,111
Boric acid .. .. .	139	188	158
Switzerland—			
Borax .. .. .	394	1,172	1,260
U.S.S.R. (Russia)—			
Borates .. .. .	2,336	2,684	71
Yugoslavia—			
Borax .. .. .	313	387	494
Boric acid .. .. .	9	17	26
Algeria—			
Borax .. .. .	16	} 18	18
Boric acid .. .. .	55		
Egypt—			
Borax .. .. .	87	65	108
Boric acid .. .. .	20	40	31
Mozambique—			
Borax .. .. .	3	2	1
Tunis—			
Borax .. .. .	9	10	14
Boric acid .. .. .	4	2	4
Mexico—			
Borax .. .. .	434	540	414
Boric acid .. .. .	88	43	70
United States—			
Boric acid .. .. .	28	13	3
Argentina—			
Borax .. .. .	17	7	47
Boric acid .. .. .	16	7	9
Brazil (total imports)—			
Borax .. .. .	604	779	682
Boric acid .. .. .	141	(a)	140
Chile—			
Borates .. .. .	42	45	14
Boric acid .. .. .	3	1	1

(a) Information not available.

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Colombia—			
Borates .. .. .	(a)	(a)	43
Perborate of sodium .. .. .	(a)	(a)	4
Boric acid .. .. .	(a)	(a)	30
Peru—			
Borax .. .. .	18	18	22
Boric acid .. .. .	25	33	54
Uruguay—			
Borax .. .. .	3	8	4
Venezuela—			
Borax .. .. .	3	3	(a)
Boric acid .. .. .	14	16	(a)
China—			
Borax .. .. .	1,390	1,382	1,384
Boric acid .. .. .	211	213	309
French Indo-China—			
Borax .. .. .	146	180	239
Boric acid .. .. .	4	3	6
Japan (total imports)—			
Borax .. .. .	10,954	10,754	8,589
Boric acid .. .. .	150	266	213
Netherlands East Indies—			
Borax .. .. .	38	42	48
Syria and Lebanon—			
Boric acid .. .. .	6	7	14

(a) Information not available.

**CADMIUM**
**PRODUCTION OF CADMIUM**  
 (Lb. avdp.)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
South West Africa (d) ..	140,000	320,000	218,000
Canada .. .. .	(c) 293,611	580,530	785,916
Australia .. .. .	380,493	489,666	472,248
<b>FOREIGN COUNTRIES</b>			
Belgium .. .. .	498,245	332,898	} 637,100
France .. .. .	—	266,759	
Germany .. .. .	(a)	364,000	668,000
Italy .. .. .	18,398	35,300	121,000
Norway .. .. .	302,030	260,143	224,598
Poland .. .. .	316,486	248,458	310,000
U.S.S.R. (Russia) .. ..	5,700	26,400	250,000
United States—			
Metal .. .. .	2,777,384	3,477,091	3,633,495
Compounds (metal content)	566,700	507,400	626,800
Mexico (b) .. .. .	848,149	1,317,321	1,179,510
Japan (estimated) .. ..	100,000	100,000	100,000

Cadmium is also produced in Sweden.

(a) Information not available.

(b) Including cadmium content of flue dust, etc., exported for treatment.

(c) Excluding cadmium precipitate produced at Flin Flon.

(d) Cadmium content of shipments of dust from stock to Germany.

**EXPORTS OF CADMIUM, ETC.**

(Domestic Produce)

(Lb. avdp.)

Exporting Country	1934	1935	1936
<b>BRITISH EMPIRE</b>			
South West Africa (flue dust)	449,700	1,147,700	705,500
Australia .. .. .	590,912	416,192	483,404
<b>FOREIGN COUNTRIES</b>			
Belgium-Luxemburg E.U. ..	433,600	403,900	647,100
France .. .. .	19,400	126,800	29,300
Poland .. .. .	279,500	316,400	308,600
Mexico (b) .. .. .	942,037	1,317,321	1,201,120

(b) Including cadmium content of flue dust, etc., exported for treatment.

## IMPORTS OF CADMIUM, ETC.

*(Less Re-exports)*

(Lb. avdp.)

Importing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. ..	547,763	639,797	673,838
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U. ..	61,100	32,600	5,500
France.. .. .	282,900	139,300	278,000
Italy (cadmium salts) ..	2,200	1,800	2,000
Poland .. .. .	900	1,500	1,100
U.S.S.R. (Russia) .. ..	183,000	238,100	246,900
Algeria .. .. .	3,100	—	(a)
United States.. .. .	125,955	185,387	576,139
Argentina (cadmium salts) ..	994	1,389	948
Chile (cadmium salts) ..	11	40	26
Turkey (cadmium salts) ..	77	174	631

(a) Information not available.

## CHINA CLAY

## PRODUCTION OF CHINA CLAY

(Long tons)

Producing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	690,129	707,572	746,922
Union of South Africa .. ..	369	226	344
Canada .. ..	43	152	—
Federated Malay States .. ..	164	91	121
India .. ..	20,562	14,435	18,005
Unfederated Malay States .. ..	142	5	—
Australia .. ..	12,078	14,661	(a)
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	13,572	19,400	(a)
Belgium (e) .. ..	14,291	15,363	(a)
Bulgaria .. ..	6,181	5,271	1,892
Czechoslovakia (estimated) .. ..	350,000	350,000	400,000
Denmark—			
Crude .. ..	42,400	34,900	27,700
Washed and pressed .. ..	11,200	9,800	8,500
Dried .. ..	700	—	—
France .. ..	134,100	110,500	(a)
Germany—			
Bavaria .. ..	677,287	657,205	141,913
Prussia .. ..	61,793	68,074	76,795
Saxony—			
Crude .. ..	35,940	47,622	45,855
Washed .. ..	43,054	44,101	50,298
Sand .. ..	10,114	(a)	(a)
Thuringia—			
Sand .. ..	(a)	(a)	5,018
Italy—			
Crude .. ..	37,233	66,195	109,311
Washed and ground (c) .. ..	4,452	5,000	(a)
Kaolinic earth .. ..	(a)	1,500	(a)
Portugal—			
Washed .. ..	11,278	13,236	11,442
Kaolinic sand .. ..	366	340	384
Roumania (d) .. ..	14,546	(a)	(a)
Spain (g) .. ..	1,348	(a)	(a)
Sweden .. ..	2,337	2,712	1,095
Algeria .. ..	1,523	1,253	2,570
United States (f) .. ..	380,656	467,550	570,481



## PRODUCTION OF CHINA CLAY (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Argentina .. .. .	45	604	(a)
Chile .. .. .	7,009	6,807	(a)
China (b) .. .. .	792,000	(a)	(a)
Japan (estimated) .. .. .	400,000	400,000	400,000
Korea .. .. .	23,051	32,874	(a)
"Manchoukuo" .. .. .	160,000	(a)	(a)
Netherlands East Indies .. .. .	—	12	9

China clay is also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) Includes fireclay.

(c) Derived from crude and stocks.

(d) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.

(e) "Eurite" and kaolin.

(f) Sales of china clay and paper clay.

(g) 4,540 cubic metres of kaolinic sand were also produced in quarries during 1934.

## EXPORTS OF CHINA CLAY

*(Domestic Produce)**(Long tons)*

Exporting Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. ..	402,724	430,465	449,375
British Malaya (b) .. ..	26	43	44
FOREIGN COUNTRIES			
Austria .. .. .	15,037	22,216	19,622
Czechoslovakia .. ..	162,632	163,286	188,387
Denmark .. .. .	7,909	4,558	3,284
France .. .. .	5,943	5,437	1,385
Germany .. .. .	36,173	29,431	32,741
Italy .. .. .	96	21	24
Poland .. .. .	1,398	1,537	996
Portugal .. .. .	1,467	1,551	814
Spain .. .. .	158	36	(a)
Sweden .. .. .	1	3	4
U.S.S.R. (Russia) .. ..	22,348	28,248	20,065
Algeria .. .. .	1,158	1,306	1,291
Argentina .. .. .	4	6	—

(a) Information not available.

(b) Including re-exports.

## IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	443	116	123
Union of South Africa (b) ..	154	274	370
Canada .. ..	29,241	31,647	37,224
Newfoundland (c) .. ..	2,877	(£8,113)	(£35,321)
British India .. ..	16,649	23,513	23,058
British Malaya (total imports)	96	131	112
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	3,420	4,336	4,430
Czechoslovakia .. ..	3,125	2,882	3,948
Denmark—			
Crude .. ..	610	1,479	1,429
Washed .. ..	6,896	6,502	6,710
Estonia .. ..	2,141	2,546	2,187
Finland (total imports) ..	17,006	16,771	16,087
France .. ..	59,170	57,219	62,920
Germany .. ..	180,648	182,260	210,242
Italy .. ..	51,763	49,924	16,867
Latvia .. ..	5,550	6,585	7,278
Lithuania .. ..	628	555	506
Norway .. ..	21,175	19,750	19,473
Poland .. ..	72,467	76,751	79,197
Portugal .. ..	153	123	153
Spain .. ..	19,530	20,362	(a)
Sweden .. ..	29,908	33,582	29,469
Yugoslavia .. ..	2,874	2,687	3,120
Algeria .. ..	6	10	27
Mexico .. ..	(a)	—	899
United States .. ..	89,978	112,467	124,819
Argentina .. ..	2,251	1,539	2,815
Chile .. ..	33	14	36
Colombia .. ..	—	16	17
French Indo-China ..	570	914	1,868
Netherlands East Indies ..	1,010	887	1,042

(a) Information not available.

(b) Including Cornish or china stone.

(c) Years ended June 30.

## CHROME ORE AND CHROMIUM

### PRODUCTION OF CHROME ORE (Long tons)

Producing Country.	1934	1935	1936	Estimated Cr <sub>2</sub> O <sub>3</sub> content*		
				1934	1935	1936
BRITISH EMPIRE						
Southern Rhodesia ..	70,961	104,240	180,499	34,800	51,100	88,400
Union of South Africa	60,388	89,003	172,896	20,114	39,188	75,746
Cyprus .. ..	966	1,179	500	500	600	250
Canada .. ..	99	1,021	(d)487	(a)	(a)	(a)
India .. ..	21,576	39,127	49,486	11,000	20,000	25,000
Australia .. ..	1,716	595	415	(a)	(a)	(a)
Total .. ..	156,000	235,000	404,000			
FOREIGN COUNTRIES						
Bulgaria .. ..	84	320	266	40	150	120
Greece .. ..	30,209	29,309	41,452	12,004	11,637	16,000
Norway .. ..	41	—	—	16	—	—
U.S.S.R. (Russia)(e) ..	129,000	181,500	216,000	(a)	(a)	(a)
Yugoslavia .. ..	46,604	51,540	53,190	22,600	24,700	18,400
Cuba .. ..	57,325	42,081	69,257	15,962	12,000	19,000
		(c)			(c)	
Guatemala (b) .. ..	792	—	—	384	—	—
United States .. ..	341	440	269	200	200	100
Brazil (exports) .. ..	—	5	3,829	(a)	(a)	(a)
Japan .. ..	26,792	35,736	(a)	10,700	14,300	(a)
Philippine Islands (c)	—	1,272	11,703	—	570	5,300
Turkey .. ..	117,951	148,096	161,292	69,000	74,000	81,000
New Caledonia .. ..	54,310	54,437	47,000	25,425	27,200	21,000
Total .. ..	463,000	545,000	640,000			
WORLD'S TOTAL .. ..	619,000	780,000	1,040,000			

\* Only approximate estimates can be given owing to the wide variation in the chromium content of the ore produced in several of the countries concerned.

(a) Information not available.

(b) Imports into the United States from the country indicated.

(c) Exports.

(d) Excluding ore shipped from Ontario for experimental purposes.

(e) Probably includes some ore needing concentration.

EXPORTS OF CHROME ORE, ETC.  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Ore .. .. .	15	—	—
Chromates of potash .. .. .	703	546	402
Chromates of soda .. .. .	1,306	988	1,124
Southern Rhodesia—			
Ore .. .. .	64,789	105,247	171,350
Union of South Africa—			
Ore .. .. .	45,709	(c) 96,000	97,675
British India (b)—			
Ore .. .. .	27,306	26,054	24,988
Cyprus—			
Ore .. .. .	—	—	5
<b>FOREIGN COUNTRIES</b>			
Belgium-Luxemburg E.U.—			
Chromates of potash and soda ..	108	577	452
France—			
Ore .. .. .	1	87	488
Ferro-chrome .. .. .	976	1,037	1,005
Chromates and chrome alum ..	436	315	196
Germany—			
Chromates of potash and soda, and oxides of chromium .. .. .	5,155	6,179	5,585
Greece—			
Ore .. .. .	21,790	31,479	47,197
Italy—			
Ferro-chrome .. .. .	40	—	—
Chrome alum .. .. .	6	25	27

(b) Excluding chrome ore mined in British India, but exported via the Portuguese port of Mormugao—1934, 3,950 tons—1935 15,156 tons—1936, 13,190 tons.

(c) Estimated.

## EXPORTS OF CHROME ORE, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Chromium compounds .. ..	11	137	2
Norway—			
Ore .. .. .	26	—	—
Ferro-chrome .. .. .	11,700	11,672	10,862
Poland—			
Ferro-chrome .. .. .	341	799	412
Sweden—			
Ore .. .. .	50	61	488
Ferro-chrome .. .. .	8,918	11,163	12,439
Switzerland—			
Ferro-chrome, including ferro-silicon .. .. .	760	648	717
U.S.S.R. (Russia)—			
Ore .. .. .	35,923	11,299	—
Chrome alum .. .. .	2	29	146
Chromates .. .. .	3,690	2,638	3,079
Yugoslavia—			
Ore .. .. .	27,197	21,613	23,405
Ferro-chrome .. .. .	—	144	338
Cuba—			
Ore .. .. .	9,745	42,081	70,602
United States—			
Chromates of soda .. ..	3,728	3,259	2,925
Brazil—			
Ore .. .. .	—	5	3,829
Japan—			
Bichromates of potash and soda..	(a)	1,453	1,575
Chrome alum .. .. .	(a)	745	1,072
Philippine Islands—			
Ore .. .. .	—	1,272	11,703
Turkey—			
Ore .. .. .	116,649	143,422	147,278
New Caledonia—			
Ore .. .. .	36,622	72,803	76,540

(a) Information not available.

**IMPORTS OF CHROME ORE, ETC.**  
(*Less Re-exports*)  
(Long tons)

Importing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Ore .. .. .	36,543	25,832	40,907
Ferro-chrome .. .. .	7,849	10,077	14,343
Chromates of potash .. .. .	101	227	58
Chromates of soda .. .. .	2,774	2,881	1,672
Canada—			
Bichromate of potash .. .. .	62	68	62
Bichromate of soda .. .. .	1,060	1,176	1,321
British India (total imports)—			
Bichromate of potash .. .. .	241	287	292
Bichromate of soda .. .. .	766	804	793
Australia—			
Ore .. .. .	—	954	3,317
Bichromate of potash .. .. .	74	68	73
<b>FOREIGN COUNTRIES</b>			
Austria—			
Ferro-chrome .. .. .	1,195	1,531	1,609
Chrome alum and sulphate .. .. .	12	9	13
Chromates of potash and soda .. .. .	174	109	396
Belgium-Luxemburg E.U.—			
Chromates of potash and soda .. .. .	685	725	1,020
Bulgaria—			
Chromates of potash .. .. .	33	49	45
Czechoslovakia—			
Ore .. .. .	2,295	7,747	5,926
Chromates of potash and soda .. .. .	2	2	2
Denmark—			
Chromates of potash and soda .. .. .	168	191	172
Estonia—			
Chromates .. .. .	32	44	48
Finland (total imports)—			
Ferro-chrome .. .. .	40	23	24
Chromates of potash and soda .. .. .	232	200	260
Chrome alum and sulphate .. .. .	129	137	130
France—			
Ore .. .. .	26,739	34,175	45,955
Ferro-chrome .. .. .	148	122	19
Chromates of potash and soda .. .. .	1,011	733	803
Other chromates .. .. .	81	63	71
Chrome alum .. .. .	608	425	440

## IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Germany—			
Ore .. .. .	75,767	93,932	121,426
Chromates of potash and soda, and oxides of chromium ..	1,460	414	331
Hungary—			
Chromates of potash, soda and ammonia.. .. .	601	831	719
Italy—			
Ferro-chrome .. .. .	468	315	645
Chromates of potash, soda and ammonia.. .. .	24	26	2
Chrome alum .. .. .	10	—	—
Latvia—			
Chrome alum .. .. .	89	145	65
Chromates .. .. .	34	52	49
Netherlands—			
Chromium compounds .. ..	1,099	1,525	1,125
Norway—			
Ore .. .. .	36,775	37,575	41,290
Poland—			
Ferro-chrome .. .. .	300	125	150
Chromates .. .. .	379	142	187
Portugal—			
Chromates of potash and soda ..	163	63	76
Chrome alum .. .. .	48	47	17
Roumania—			
Chrome alum .. .. .	362	239	(a)
Chromium compounds .. ..	564	510	(a)
Spain—			
Chromates .. .. .	915	1,083	(a)
Sweden—			
Ore .. .. .	34,991	40,542	49,888
Ferro-chrome .. .. .	1,629	1,481	1,446
Chrome alum .. .. .	652	241	138
Chromates .. .. .	394	303	318
Switzerland—			
Ferro-chrome and ferro-silicon	1,655	1,645	1,889
U.S.S.R. (Russia)—			
Ferro-chrome .. .. .	5,190	2,898	—
Chromates .. .. .	2	—	—

(a) Information not available.



## IMPORTS OF CHROME ORE, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Ore .. .. .	—	572	—
Chromates of potash and soda ..	96	99	1
Chrome alum .. .. .	159	245	3
Algeria—			
Chromates .. .. .	12	10	(a)
Egypt—			
Chromates of potash and soda ..	401	379	343
United States—			
Ore .. .. .	192,297	259,063	324,258
( $Cr_2O_3$ content) .. .. .	82,969	116,277	141,198
Ferro-chrome ( <i>Cr</i> content) .. ..	72	30	70
Metal and alloys .. .. .	77	49	57
Argentina—			
Bichromate of potash .. .. .	94	134	106
Bichromate of soda .. .. .	340	153	262
Chrome alum .. .. .	15	91	32
Chile—			
Ferro-chrome .. .. .	52	28	28
Bichromate of potash .. .. .	33	57	65
Bichromate of soda .. .. .	159	190	135
Peru—			
Chromium compounds .. .. .	95	128	—
China—			
Bichromate of potash .. .. .	194	180	270
Bichromate of soda .. .. .	242	319	357
Chrome alum .. .. .	908	772	875
French Indo-China—			
Chromates .. .. .	5	12	10
Chrome alum .. .. .	11	28	41
Japan (total imports)—			
Bichromate of potash .. .. .	77	84	29
Bichromate of soda .. .. .	240	242	207
Turkey—			
Chrome alum .. .. .	29	18	84

(a) Information not available.

## COAL, COKE AND BY-PRODUCTS

### PRODUCTION OF COAL

(Including Brown Coal and Lignite)

(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Anthracite .. .. .	7,126,733	6,798,415	6,525,225
Bituminous .. .. .	213,600,955	215,453,637	221,928,387
Irish Free State—			
Anthracite .. .. .	89,731	85,738	95,214
Semi-bituminous .. .. .	21,343	26,985	29,509
Nigeria .. .. .	259,754	257,819	291,651
Southern Rhodesia .. .. .	632,790	683,654	693,947
Union of South Africa .. .. .	12,002,100	13,359,509	14,607,313
Canada—			
Bituminous .. .. .	8,981,055	8,704,322	9,639,861
Sub-bituminous .. .. .	479,918	505,737	3,451,832
Lignite .. .. .	2,869,556	3,189,946	505,791
British Borneo—			
Brunei .. .. .	(a)	838	184
State of North Borneo .. .. .	28	—	—
Federated Malay States .. .. .	321,461	377,441	502,823
India—			
Gondwana Coalfields .. .. .	21,691,404	22,607,552	22,212,457
Tertiary Coalfields .. .. .	366,043	409,143	398,364
Used by miners .. .. .	551,000	(a)	(a)
Australia—			
Bituminous .. .. .	9,579,033	10,887,954	11,370,409
Lignite .. .. .	2,617,534	2,221,515	3,044,897
New Zealand—			
Bituminous .. .. .	831,702	825,227	} 2,140,217
Brown coal .. .. .	1,103,968	1,170,805	
Lignite .. .. .	124,645	119,152	
Total .. .. .	283,000,000	288,000,000	297,000,000

(a) Information not available.

## PRODUCTION OF COAL (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Bituminous .. ..	246,861	256,484	240,480
Brown coal .. ..	2,805,905	2,923,765	2,851,446
Belgium—			
Anthracite and semi-			
anthracite .. ..	5,731,792	5,158,236	} 27,432,982
Bituminous .. ..	20,240,618	20,929,493	
Bulgaria— .. ..			
Anthracite .. ..	6,812	2,188	1,615
Bituminous .. ..	70,731	89,318	98,610
Lignite .. ..	1,543,192	1,541,239	1,539,357
Czechoslovakia—			
Bituminous .. ..	10,518,684	10,722,420	12,039,975
Brown coal .. ..	14,932,486	14,874,878	15,696,878
France—			
Saar .. ..	11,138,953	(c) 1,673,228	..
Other districts—			
Bituminous (b) .. ..	46,879,876	45,482,687	44,512,354
Lignite .. ..	1,009,284	892,409	905,437
Germany—			
Bituminous .. ..	122,884,578	140,744,275	155,878,404
Brown coal .. ..	135,105,863	144,748,744	159,148,475
Greece—			
Lignite .. ..	102,547	91,163	(a)
Hungary—			
Bituminous .. ..	744,316	809,825	814,000
Brown coal .. ..	5,661,394	6,146,993	} 6,993,000
Lignite .. ..	420,101	464,588	
Lignite (dehydrated) .. ..	113,526	118,992	(a)
Italy—			
Anthracite .. ..	83,212	69,042	78,709
Bituminous .. ..	284,481	366,477	714,696
Brown coal .. ..	402,162	536,867	756,425
Netherlands—			
Bituminous .. ..	12,145,975	11,690,250	12,600,340
Brown coal .. ..	91,032	84,843	87,377
Poland—			
Bituminous .. ..	28,771,390	28,091,945	29,278,040
Brown coal .. ..	25,986	18,170	13,305

(a) Information not available.

(b) Includes about 6,000,000 tons of anthracite each year.

(c) January to 17th February only, after which date production is included with that of Germany.

## PRODUCTION OF COAL (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Anthracite .. .. .	195,906	202,139	204,450
Bituminous .. .. .	3,652	5,390	8,165
Brown coal .. .. .	14,835	19,476	20,395
Roumania—			
Anthracite .. .. .	17,726	16,935	3,649
Bituminous .. .. .	207,004	256,962	284,299
Lignite .. .. .	1,598,211	1,624,100	1,645,667
Spain—			
Anthracite .. .. .	634,440	690,000	(a)
Bituminous .. .. .	5,203,891	6,214,994	(a)
Brown coal .. .. .	293,926	299,028	(a)
Spitzbergen and Bear Island	524,393	697,607	771,471
Sweden .. .. .	408,668	416,813	448,647
Switzerland (b) .. .. .	3,000	4,000	3,000
U.S.S.R. (Russia)—			
Anthracite .. .. .	21,895,000	} 102,177,000	120,896,800
Bituminous .. .. .	59,358,000		
Lignite .. .. .	11,203,000		
Yugoslavia—			
Bituminous .. .. .	381,099	393,624	434,384
Lignite .. .. .	921,391	936,659	952,916
Brown coal .. .. .	2,944,406	3,034,480	3,017,941
Algeria—			
Bituminous .. .. .	33,465	37,316	6,400
Belgian Congo .. .. .	4,622	11,136	13,682
Morocco (French)—			
Anthracite .. .. .	35,501	51,864	48,608
Mozambique .. .. .	21,524	15,250	8,161
Greenland .. .. .	6,000	6,000	6,000
Mexico .. .. .	769,803	1,124,847	1,276,000
United States—			
Anthracite .. .. .	51,043,117	46,570,342	48,893,000
Bituminous and lignite .. .. .	320,864,305	332,476,002	387,563,000
Brazil .. .. .	697,071	744,998	639,194
Chile .. .. .			
Bituminous .. .. .	1,574,920	1,682,710	} 1,841,000
Lignite .. .. .	204,059	187,219	
Colombia .. .. .	(e)200,000	(e)200,000	277,534

(a) Information not available.

(b) U.S. Bureau of Mines estimate.

(e) Estimated.

## PRODUCTION OF COAL (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Peru—			
Anthracite .. .. .	3,543	2,422	} 90,000
Bituminous .. .. .	31,220	81,279	
Venezuela (c) .. .. .	6,000	5,000	7,000
China .. .. .	(d)20,568,000	12,000,000	(a)
Formosa .. .. .	1,496,051	1,572,000	1,600,000
French Indo-China—			
Anthracite .. .. .	1,529,600	1,714,400	2,116,108
Bituminous, etc. .. .. .	36,600	33,300	34,876
Japan—			
Semi-anthracite and bituminous .. .. .	35,357,604	37,166,085	37,466,000
Brown coal .. .. .	122,815	106,812	(a)
Karafuto .. .. .	1,177,748	1,491,709	(a)
Korea—			
Anthracite .. .. .	966,855	} 1,967,579	(a)
Bituminous .. .. .	695,122		
“ Manchoukuo ” .. .. .	11,640,768	(a)	(a)
Netherlands East Indies .. .. .	1,016,610	1,093,407	1,129,078
Turkey—			
Bituminous .. .. .	2,252,129	2,303,526	2,262,345
Lignite .. .. .	51,943	72,196	94,306
Total .. .. .	980,000,000	1,010,000,000	1,120,000,000
WORLD'S TOTAL .. .. .	1,260,000,000	1,300,000,000	1,420,000,000

(a) Information not available.

(c) Excluding production in government-owned mines.

(d) Of which about 3,000,000 tons are anthracite and 300,000 tons lignite.

PRODUCTION OF COKE  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Great Britain—			
Gas-works (b) .. ..	11,848,654	11,983,114	12,734,518
Coke-ovens—coke .. ..	11,512,338	11,939,453	13,751,470
breeze .. ..	762,495	815,752	1,068,444
Northern Ireland—			
Gas-works (estimated) ..	70,000	70,000	70,000
Irish Free State—			
Gas-works (estimated) ..	120,000	120,000	120,000
Southern Rhodesia .. ..	55,096	38,620	19,797
Union of South Africa—			
Coke-ovens .. ..	71,817	63,759	74,268
Gas-works (e) .. ..	237,420	240,881	(a)
Canada—			
Gas-works—coke .. ..	244,869	246,873	} 229,369
breeze .. ..	18,637	16,305	
Coke-ovens—coke .. ..	1,632,503	1,637,251	} 1,917,688
breeze .. ..	107,046	115,288	
Strait Settlements .. ..	8,414	9,177	9,467
India—			
Hard .. ..	1,517,137	1,766,821	(a)
Soft (c) .. ..	861,081	890,547	(a)
Australia (e)—			
Gas-works .. ..	618,034	622,710	(a)
Coke-ovens (New South Wales) .. ..	566,715	787,206	(a)
New Zealand (d)—			
Gas-works .. ..	64,863	66,628	67,206
FOREIGN COUNTRIES			
Austria (gas-works) .. ..	567,929	501,245	537,302
Belgium—			
Metallurgical .. ..	4,166,372	4,370,939	} 4,994,454
Semi-coke .. ..	3,140	3,356	
Breeze .. ..	359,757	463,925	
Bulgaria—			
Coke-ovens .. ..	1,153	1,678	1,656
Czechoslovakia—			
Gas-works .. ..	215,745	(a)	(a)
Coke-ovens .. ..	1,323,547	1,526,654	1,924,561
Brown-coal coke .. ..	—	2,674	69
Denmark (gas-works) .. ..	284,000	288,000	297,000
Estonia .. ..	2,312	2,420	(a)
Finland (gas-works) .. ..	57,955	59,007	58,857
France—			
Saar .. ..	2,145,116	(g) 349,230	..
Other districts—			
Metallurgical, etc. ..	7,177,925	6,966,036	6,919,000
Gas-works .. ..	1,919,222	1,870,907	1,930,000
Germany—			
Coke-ovens .. ..	24,098,186	29,330,565	35,295,078
Brown-coal coke .. ..	881,574	978,211	1,763,321
Gas-works (d) .. ..	4,162,000	4,540,765	(a)

PRODUCTION OF COKE (*Cont.*)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Hungary—			
Brown-coal coke .. ..	18,785	22,618	30,219
Gas-works .. ..	155,629	209,746	209,052
Italy (metallurgical) .. ..	804,336	982,611	1,191,592
Latvia .. ..	7,490	12,167	13,953
Netherlands—			
Gas-works .. ..	700,000	700,000	700,000
Coke-ovens .. ..	2,735,482	2,832,734	3,005,226
Norway (gas-works) .. ..	66,895	67,229	(a)
Poland—			
Coke-ovens .. ..	1,312,174	1,364,815	1,590,082
Gas-works .. ..	172,609	(a)	(a)
Portugal (gas-works) .. ..	27,850	26,029	27,548
Roumania—			
Metallurgical .. ..	31,410	45,195	62,390
Gas-works .. ..	19,934	20,217	14,250
Spain (incomplete figures)—			
Metallurgical .. ..	477,964	(a)	(a)
Gas-works .. ..	246,084	(a)	(a)
Sweden .. ..	447,297	483,453	(a)
Switzerland—			
Gas-works .. ..	443,647	450,406	458,974
U.S.S.R. (Russia) .. ..	13,996,000	16,466,000	19,569,000
Algeria (gas-works) .. ..	62,677	46,368	(a)
Canary Islands .. ..	1,800	1,800	2,200
Tunis (gas-works) .. ..	4,400	(a)	(a)
Mexico .. ..	270,830	481,323	(a)
United States—			
Coke-ovens—			
Coke .. ..	28,412,121	31,376,126	41,317,129
Breeze and screenings .. ..	2,482,840	2,585,526	3,248,724
Argentina (gas-works) .. ..	52,500	53,500	47,500
Chile .. ..	55,741	61,271	64,223
Colombia .. ..	(h) 2,000	(h) 2,000	2,219
China .. ..	136,997	(a)	(a)
French Indo-China .. ..	280	256	107
Japan—			
Coke-ovens .. ..	1,704,086	1,804,529	(a)
Gas-works (d) .. ..	955,903	996,453	(a)
Korea .. ..	197,682	198,652	(a)
“ Manchoukuo ” .. ..	568,851	643,708	(a)
Turkey .. ..	38,689	33,121	36,820

(a) Information not available.

(b) Including coke breeze.

(c) Coke made at collieries only.

(d) Years ended March 31 of the year following that stated.

(e) Years ended June 30 of the year stated.

(g) January–February only, after which production is included with that of Germany.

(h) Estimated.

PRODUCTION OF BRIQUETTES  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Great Britain .. ..	877,224	857,031	713,778
Australia—			
Brown-coal briquettes ..	316,594	317,200	(a)
FOREIGN COUNTRIES			
Belgium .. ..	1,332,153	1,346,995	1,528,374
Bulgaria—			
Brown-coal briquettes ..	19,225	42,336	40,376
Czechoslovakia—			
Coal briquettes .. ..	380,359	402,087	408,343
Brown-coal briquettes ..	191,815	185,489	186,315
France—			
Saar .. ..	6,009	(c)	(c)
Other districts .. ..	7,821,311	7,872,175	8,031,000
Germany—			
Coal briquettes .. ..	5,111,258	5,479,577	6,036,141
Brown-coal briquettes ..	30,888,666	32,318,454	35,512,172
Hungary—			
Coal briquettes .. ..	65,211	71,244	} 351,587
Brown-coal briquettes ..	257,814	258,235	
Brown-coke briquettes ..	17,817	22,618	
Italy—			
Anthracite briquettes ..	11,631	24,388	29,961
Brown-coal briquettes ..	6,370	13,711	15,837
Netherlands—			
Coal briquettes .. ..	1,069,975	1,070,176	1,101,903
Brown-coal briquettes ..	33,459	30,857	30,697
Poland .. ..	211,612	189,251	164,763
Portugal (b) .. ..	503	167	895
Roumania .. ..	120,274	235,258	216,979
Spain .. ..	824,068	801,453	(a)
Yugoslavia .. ..	23,162	18,528	13,139
Algeria .. ..	72,185	71,000	(a)
Tunis .. ..	61,947	57,802	75,800
United States .. ..	629,336	768,488	1,004,440
French Indo-China .. ..	61,248	70,000	102,900
Netherlands East Indies ..	34,125	45,532	55,341

(a) Information not available.

(b) From domestic coal only. The amount made from imported coal is not available.

(c) Included with Germany.



PRODUCTION OF COAL BY-PRODUCTS  
(Long tons)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
Great Britain—			
Tar (quantity distilled) .. ..	1,765,479	1,805,935	1,962,946
Pitch .. .. .	503,095	535,035	591,007
Ammonium salts expressed as sulphate (25½ % NH <sub>3</sub> ) (b) ..	605,200	617,200	623,700
Benzol (refined)* .. .. .	168,000	188,000	220,000
Creosote (estimated) .. .. .	430,000	440,000	490,000
Irish Free State (estimated)—			
Tar .. .. .	12,000	12,000	12,000
Ammonium sulphate .. .. .	2,000	2,000	2,000
Tar oil, creosote oil, etc. .. ..	1,800	1,800	1,800
Union of South Africa—			
Tar*—coke-ovens .. .. .	957	899	1,124
do.—gas works (e) .. .. .	6,301	10,073	(a)
Canada—			
Tar * .. .. .	132,517	131,726	(a)
Ammonium sulphate .. .. .	18,314	21,832	(a)
Benzol .. .. .	13,651	11,944	(a)
Ammonia liquor .. .. .	885	841	(a)
India (coke-ovens)—			
Ammonium sulphate .. .. .	11,775	15,398	17,603
Australia—			
Tar (e) .. .. .	97,679	107,473	(a)
Ammonium sulphate (e) .. .. .	17,152	19,167	(a)
New Zealand (c)—			
Tar (gas-works)* .. .. .	11,994	12,821	12,529
FOREIGN COUNTRIES			
Austria—			
Tar .. .. .	32,834	30,000	(a)
Ammonium sulphate .. .. .	6,109	4,976	6,212
Benzol .. .. .	6,936	(a)	(a)
Liquid ammonia .. .. .	181	208	221
Ammonium chloride .. .. .	642	630	631
Belgium—			
Tar .. .. .	153,000	164,550	(a)
Ammonium sulphate .. .. .	57,517	76,985	(a)
Benzol .. .. .	51,900	52,300	(a)

\* See page 88.

(a) Information not available.

(b) Actual ammonium sulphate production in long tons was:—  
1934, 424,000; 1935, 422,000; 1936, 373,000.

(c) Years ended March 31 of the year following that stated.

(e) Years ended June 30 of the year stated.

## PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description.	1934	1935	1936
<b>FOREIGN COUNTRIES (Cont.)</b>			
Czechoslovakia—			
Tar—coke-ovens .. .. .	56,714	64,847	83,513
gas-works .. .. .	13,882	(a)	(a)
Pitch .. .. .	66	69	57
Ammonium sulphate .. .. .	20,033	22,305	27,399
Naphthalene .. .. .	4,000	4,800	5,800
Benzol (crude) .. .. .	15,851	18,757	24,861
Carbolic acid .. .. .	175	151	177
Denmark—			
Tar .. .. .	29,000	29,000	29,000
Estonia—			
Tar .. .. .	228	227	(a)
Finland—			
Gas-works—			
Tar .. .. .	2,094	2,274	2,567
Benzol .. .. .	266	255	338
Ammonia .. .. .	76	76	75
France—			
Tar .. .. .	491,404	472,891	(a)
Pitch .. .. .	104,405	(a)	(a)
Ammonium sulphate .. .. .	107,446	103,411	(a)
Benzol .. .. .	91,010	84,337	(a)
Naphthalene .. .. .	4,783	(a)	(a)
Saar—			
Tar .. .. .	117,069	127,409	(a)
Ammonium sulphate (coke-ovens)	22,701	24,749	(a)
Benzol .. .. .	34,935	38,139	(a)
Germany—			
Tar—coke-ovens .. .. .	936,112	1,177,535	} 1,650,000
brown coal .. .. .	217,019	247,159	
gas-works .. .. .	240,000	256,802	
Pitch .. .. .	628,379	729,944	(a)
Ammonium sulphate and other ammoniacal salts .. .. .	343,396	430,439	(a)
Benzol .. .. .	(b)284,903	401,219	(a)
Naphthalene .. .. .	35,958	38,846	(a)
Phenol, cresol, etc. .. .. .	11,766	13,055	(a)
Hungary—			
Benzol .. .. .	—	1,512	(a)
Italy—			
Tar—coke-ovens .. .. .	29,558	34,992	37,754
gas-works, etc. .. .. .	58,427	57,092	(a)
Ammonium sulphate (c) .. .. .	10,398	11,845	13,145
Benzol (c) .. .. .	7,567	8,308	8,918

(a) Information not available.

(b) Excluding production in gas-works.

(c) Figures refer to amount obtained in the manufacture of metallurgical coke only.

## PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Tar .. .. .	637	765	(a)
Pitch .. .. .	90	104	(a)
Tar oil .. .. .	67	93	(a)
Benzol .. .. .	12	56	(a)
Liquid ammonia .. .. .	132	115	(a)
Luxemburg—			
Tar .. .. .	2,000	2,000	2,000
Netherlands—			
Tar (estimated) .. .. .	140,000	142,000	(a)
Pitch (estimated) .. .. .	54,000	54,000	50,000
Ammonium sulphate .. .. .	49,000	53,000	(a)
Benzol .. .. .	26,100	26,800	(a)
Norway—			
Tar (gas-works) .. .. .	5,064	4,928	(a)
Poland—			
Tar (crude) .. .. .	92,228	94,500	103,000
Pitch .. .. .	33,817	34,200	37,800
Ammonium sulphate .. .. .	17,800	20,500	23,000
Benzol (crude) .. .. .	20,515	23,300	27,000
Naphthalene (crude) .. .. .	3,522	2,220	(a)
Phenol and cresol .. .. .	1,016	807	630
Portugal—			
Tar (gas-works) .. .. .	1,591	1,503	1,574
Roumania—			
Tar .. .. .	2,791	2,773	(a)
Ammonia .. .. .	590	(a)	(a)
Spain (incomplete figures)—			
Tar .. .. .	37,953	39,000	(a)
Pitch .. .. .	3,566	(a)	(a)
Ammonium sulphate .. .. .	18,487	17,000	(a)
Benzol .. .. .	5,834	(a)	(a)
Naphthalene .. .. .	580	(a)	(a)
Creosote .. .. .	3,747	(a)	(a)
Ammonia .. .. .	2,280	2,000	(a)
Sweden—			
Tar .. .. .	27,241	28,956	(a)
Pitch .. .. .	748	573	(a)
Ammonium sulphate .. .. .	4,567	4,461	(a)
Benzol .. .. .	2,731	2,972	(a)
Switzerland—			
Tar (gas-works) .. .. .	29,605	29,033	29,491

(a) Information not available.

## PRODUCTION OF COAL BY-PRODUCTS (Cont.)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Tar .. .. .	1,500	—	(a)
Algeria—			
Tar .. .. .	5,056	6,294	(a)
Ammonium sulphate .. .. .	500	433	(a)
Benzol .. .. .	350	374	(a)
Canary Islands—			
Tar .. .. .	100	100	100
Tunis—			
Tar (gas-works) .. .. .	524	(a)	(a)
Ammonium salts .. .. .	93	(a)	(a)
Panama—			
Coke .. .. .	150	150	150
United States (coke-ovens only)—			
Tar* .. .. .	1,746,625	1,924,392	2,394,810
Pitch .. .. .	87,409	100,316	61,017
Sulphate equivalent of ammonia produced .. .. .	428,491	486,886	619,948
Benzol* .. .. .	72,303	67,367	64,708
Motor fuel* .. .. .	134,534	156,935	230,304
Naphthalene .. .. .	4,796	5,776	16,764
Toluol* .. .. .	43,405	52,374	64,730
Solvent naphtha* .. .. .	9,772	12,796	16,632
Creosote* .. .. .	49,238	53,620	72,101
Phenol* .. .. .	272	338	300
Argentina—			
Tar .. .. .	855	905	827
Ammonium sulphate .. .. .	234	—	—
Liquid ammonia (28 %) .. .. .	212	275	935
Anhydrous ammonia .. .. .	35	148	157
Chile—			
Tar .. .. .	8,452	9,814	9,089
Japan—			
Ammonium sulphate .. .. .	40,000	(a)	(a)
Benzol .. .. .	32,200	(a)	(a)
Creosote .. .. .	30,000	(a)	(a)
Turkey—			
Tar .. .. .	1,812	2,244	2,185
Benzol .. .. .	500	500	430
Creosote .. .. .	(a)	(a)	1,267
Carbolic acid .. .. .	(a)	(a)	28

\* The following conversion rates have been used for conversion of gallons to long tons: Tar, 195; Benzol, 250; Creosote, 210; Motor fuel, 310; Toluol, 255; Solvent Naphtha, 260; Phenol, 210.

(a) Information not available.

## EXPORTS OF COAL, COKE AND BY-PRODUCTS\*

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Anthracite—			
small and sized .. .. .	3,155,798	2,920,287	2,552,980
large .. .. .	987,367	834,683	768,279
Bituminous—			
small and sized .. .. .	14,811,323	14,685,688	13,632,887
unscreened .. .. .	8,179,655	7,349,805	6,697,073
large .. .. .	12,525,737	12,923,641	10,868,165
bunkers .. .. .	13,487,222	12,526,170	11,947,525
Coke .. .. .	2,193,064	2,448,924	2,314,015
Manufactured fuel .. .. .	729,072	707,037	514,645
do. (bunkers) .. .. .	95	161	179
Tar and pitch .. .. .	459,783	514,256	576,853
Heavy coal-tar oils .. .. .	126,724	115,463	166,038
Naphthalene .. .. .	5,337	6,469	11,751
Carbolic acid—			
Crude .. .. .	690	449	432
Crystals .. .. .	254	349	282
Cresylic acid .. .. .	7,328	7,863	10,720
Benzol .. .. .	275	341	1,054
Irish Free State—			
Coke .. .. .	20,130	16,193	12,852
Tar and pitch .. .. .	356	146	98
Creosote, etc. .. .. .	2	602	461
Malta—			
Coal (bunkers on merchant ships)			
(c) .. .. .	72,649	74,366	112,544
Coke .. .. .	1,206	490	—
Kenya and Uganda—			
Coal (bunkers) (c) .. .. .	3,013	3,804	6,375
Nigeria—			
Coal .. .. .	38,372	36,728	46,975
do. (bunkers) .. .. .	10,283	10,792	10,187
Sierra Leone—			
Coal (bunkers) (c) .. .. .	29,229	41,468	41,569
Southern Rhodesia—			
Coal .. .. .	226,190	296,345	330,763
Coke and patent fuel .. .. .	45,399	42,188	15,917

\* For ammonium sulphate, etc., see Nitrogen Compounds, pages 255-258.

(c) Foreign coal (see imports).

EXPORTS OF COAL, COKE AND BY-PRODUCTS (*Cont.*)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>			
Union of South Africa—			
Coal .. .. .	923,585	1,136,411	1,051,822
do. (bunkers) .. .. .	888,385	1,060,443	1,218,996
Coke .. .. .	17,579	14,166	21,037
Tar and pitch .. .. .	32	71	257
Canada—			
Coal .. .. .	263,291	364,086	358,152
Lignite .. .. .	10,222	9,478	9,325
Coke ( <i>b</i> ) .. .. .	31,182	33,562	29,253
Tar and pitch .. .. .	34,594	21,758	15,551
Creosote oil .. .. .	6,017	6,829	888
Other coal tar oils.. .. .	( <i>a</i> )	13,702	21,627
British West Indies—			
Barbados—			
Coal (bunkers) ( <i>c</i> ) .. .. .	956	15	—
St. Lucia—			
Coal (bunkers) ( <i>c</i> ) .. .. .	25,670	35,142	38,227
Trinidad and Tobago—			
Coal (bunkers) ( <i>c</i> ) .. .. .	33,587	32,297	39,551
Coke and patent fuel .. .. .	61	18	2
Aden (including re-exports)—			
Coal .. .. .	179	68	22
do. (bunkers) ( <i>c</i> ) ( <i>d</i> ) .. .. .	37,270	41,350	63,952
British Borneo—			
Brunei—			
Coal .. .. .	28	25	49
Sarawak—			
Coke .. .. .	8	4	6
State of North Borneo—			
Coal .. .. .	643	—	—
British India—			
Coal .. .. .	327,790	215,796	195,836
do. (bunkers—domestic produce)	489,487	551,727	520,114
do. (bunkers—foreign produce)	25,592	32,471	35,973
Coke .. .. .	2,443	1,788	1,376
British Malaya (including re-exports)			
Coal .. .. .	1,685	1,748	6,156
do. (bunkers) ( <i>c</i> ) .. .. .	398,631	389,631	361,153
Coke .. .. .	660	412	447
Tar and pitch .. .. .	267	274	476

(a) Information not available.

(b) Including petroleum coke.

(c) Foreign coal (*see imports*).

(d) Years ended March 31.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (*Cont.*)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
Ceylon—			
Coal (bunkers) (c) .. .. .	233,669	238,175	225,683
Cyprus			
Coal (bunkers) (c) .. .. .	1,347	1,219	126
Hong Kong (including re-exports)—			
Anthracite .. .. .	11,037	13,933	2,944
Bituminous .. .. .	62,000	52,468	24,693
do. (bunkers) (c) .. .. .	367,695	330,970	337,989
Coke .. .. .	1,268	1,775	1,143
Briquettes .. .. .	—	—	20
Australia—			
Coal .. .. .	609,763	324,894	302,802
do. (bunkers) (b) .. .. .	523,023	575,419	614,333
Coke .. .. .	12,677	18,372	17,021
Tar and pitch .. .. .	177	952	3,138
New Zealand—			
Coal .. .. .	223	66	2,466
do. (bunkers) .. .. .	40,138	46,080	42,406
Coke .. .. .	14	5	6
Tar .. .. .	32	27	30
FOREIGN COUNTRIES			
Austria—			
Coal .. .. .	57	109	17
Brown coal .. .. .	520	629	469
Coke .. .. .	156	18	6
Tar and pitch .. .. .	10,436	8,650	6,867
Tar oils .. .. .	5,820	3,946	2,900
Naphthalene .. .. .	300	825	569
Carbolic acid .. .. .	6	—	4
Carbolineum, creolin, etc. .. .. .	8	20	11
Belgium-Luxemburg E.U.—			
Coal .. .. .	3,512,560	3,875,776	4,286,637
do. (bunkers) .. .. .	237,761	338,451	373,351
Brown coal .. .. .	972	126	55
Coke .. .. .	945,026	904,712	1,231,016
Briquettes .. .. .	318,722	376,370	447,714
do. (bunkers) .. .. .	80,884	62,838	68,848
Tar and pitch .. .. .	57,114	80,089	111,017
Naphthalene .. .. .	8,120	10,253	10,249
Distillates .. .. .	71,021	68,941	83,030

(b) Years ended June 30.

(c) Foreign coal (*see imports*).

## EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Coal .. .. .	661	904	474
Czechoslovakia—			
Coal .. .. .	1,414,098	1,250,274	1,297,275
Brown coal .. .. .	1,798,371	1,687,475	1,668,058
Coke .. .. .	340,723	348,219	411,143
Briquettes .. .. .	85,229	68,840	74,683
Tar and pitch .. .. .	919	565	853
Benzol, etc. .. .. .	3,252	5,232	4,627
Crude naphthalene .. .. .	3,279	3,709	3,867
Crude carbolic acid .. .. .	126	70	—
Cresol .. .. .	396	395	505
Denmark—			
Tar and pitch .. .. .	985	745	1,286
France (b)—			
Coal .. .. .	2,965,656	1,195,570	866,886
Coke .. .. .	321,105	288,469	261,769
Briquettes .. .. .	123,548	115,356	112,619
Coal, coke and briquettes—			
Bunkers (domestic produce) ..	38,666	19,789	(a)
do. (foreign produce) ..	998,208	994,939	(a)
Tar and pitch .. .. .	41,147	9,757	886
Benzol, etc. .. .. .	31,659	5,108	144
Naphthalene .. .. .	2,375	1,005	153
Carbolic acid, etc. .. .. .	217	266	740
Germany—			
Coal .. .. .	21,464,360	26,128,822	27,867,806
do. (bunkers for foreign ships)	126,258	221,901	329,466
Brown coal .. .. .	1,364	2,054	319
Coke .. .. .	6,069,025	6,507,008	7,070,169
Coal briquettes .. .. .	712,202	806,320	829,676
Brown-coal briquettes .. .. .	1,214,598	1,188,412	1,108,079
Tar and pitch .. .. .	67,025	59,102	128,183
Naphthalene .. .. .	15,645	9,897	3,639
Carbolic acid .. .. .	332	729	953
Cresol .. .. .	2,832	3,807	2,023
Light coal-tar oils, etc. .. .. .	1,693	2,807	4,979
Heavy coal-tar oils, etc. .. .. .	11,516	17,208	21,619

(a) Information not available.

(b) Including exports from the Saar territory up to 17th February, 1935. Exports from France to all countries, including exports to the Saar territory were (long tons) :—

	1934
Coal .. .. .	1,363,000
Coke .. .. .	298,000
Briquettes .. .. .	126,000



## EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Coal .. .. .	20,964	19,699	18,941
Brown coal .. .. .	154,232	179,899	176,220
Coke .. .. .	322	9,925	7,679
Briquettes .. .. .	994	1,495	586
Tar and pitch .. .. .	1,452	445	516
Benzol .. .. .	14	221	106
Italy—			
Coal .. .. .	22,509	16,630	} 7,221
do. (bunkers for foreign ships)	26,193	15,717	
Coke .. .. .	1,004	1,033	367
Tar and tar oils .. .. .	3,047	5,017	316
Naphthalene .. .. .	26	18	76
Benzol, toluol and xylol .. .. .	33	38	—
Carbolic acid .. .. .	5	16	7
Latvia—			
Coal .. .. .	160	762	1,149
Netherlands—			
Coal .. .. .	3,109,744	2,892,319	3,114,279
do. (bunkers) (b) .. .. .	2,324,900	2,217,198	2,752,694
Coke .. .. .	2,042,275	2,105,049	2,268,914
Briquettes .. .. .	321,188	300,129	332,213
Brown-coal briquettes .. .. .	6,952	4,015	4,128
Tar .. .. .	6,394	5,936	7,851
Creosote .. .. .	17,887	30,913	14,978
Naphthalene .. .. .	4,359	4,844	6,439
Carbolic acid .. .. .	46	30	62
Benzol .. .. .	20,280	14,463	10,207
Toluol and xylol .. .. .	1,296	2,386	2,442
Naphtha .. .. .	90	284	273
Asphalt .. .. .	56	11	112
Norway—			
Anthracite .. .. .	145	—	99
Tar .. .. .	19	17	562
Creosote .. .. .	20	—	1

(b) Including imported coal.

## EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Poland—			
Bituminous coal .. .. .	9,279,662	8,207,175	7,595,264
do. (bunkers) .. .. .	444,266	558,480	634,975
Coke .. .. .	356,899	301,488	351,117
Briquettes .. .. .	8,288	4,381	4,889
Tar and pitch .. .. .	420	327	10,361
Naphthalene .. .. .	4,314	2,995	1,374
Carbolic acid, etc. .. .. .	288	243	268
Benzol .. .. .	12,072	12,871	12,547
Creosote, etc. .. .. .	136	63	59
Portugal—			
Coal .. .. .	84	44	208
do. (bunkers) .. .. .	166,588	160,583	216,549
Tar and pitch .. .. .	50	67	133
Roumania—			
Bituminous coal .. .. .	57	77	(a)
Brown coal .. .. .	21	—	(a)
Tar .. .. .	8	—	(a)
Creosote, etc. .. .. .	55	355	(a)
Spain—			
Coal .. .. .	11,204	15,607	(a)
Coke .. .. .	52	5	(a)
Tar and pitch .. .. .	8	14	(a)
Creosote .. .. .	788	—	(a)
Spitzbergen—			
Coal (including bunkers) .. .. .	446,673	624,793	695,949
Sweden—			
Anthracite .. .. .	13	58	—
Bituminous coal .. .. .	479	2,407	2,770
Coke .. .. .	9,962	2,463	10,216
Tar, pitch, etc. .. .. .	7,052	6,334	7,132
Benzol .. .. .	1,976	1,521	1,678
Carbolic acid, etc. .. .. .	1	—	17
Switzerland—			
Coal .. .. .	57	38	48
Coke .. .. .	507	126	63
Briquettes .. .. .	200	134	198
Tar and pitch .. .. .	4,269	4,294	4,233
Creosote, etc. .. .. .	722	388	853
Naphthalene, etc. .. .. .	263	313	321

(a) Information not available.

## EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)—			
Anthracite .. .. .	981,490	1,072,322	987,775
Other coal .. .. .	1,150,871	1,075,599	785,961
Lignite, etc. .. .. .	—	—	9,889
Briquettes .. .. .	39,976	64,992	62,615
Tar and pitch .. .. .	69,024	73,258	87,714
Solvent naphtha .. .. .	1,231	835	240
Benzol, toluol and xylol .. .. .	3,989	3,201	6,568
Carbolic acid .. .. .	12	142	814
Naphthalene .. .. .	3,231	4,971	4,881
Yugoslavia—			
Bituminous coal .. .. .	4,206	2,884	1,973
Lignite .. .. .	42,481	63,051	23,520
Brown coal .. .. .	9,086	9,416	6,842
Coke .. .. .	—	3	3
Tar and pitch .. .. .	191	1	—
Creosote .. .. .	18	41	18
Algeria—			
Coal .. .. .	6,148	13,723	} 15,236
do. (bunkers) .. .. .	48	111	
do. do. (b) .. .. .	961,461	900,453	708,245
Coke .. .. .	2,519	74	51
Briquettes .. .. .	2,605	1,363	791
do. (bunkers) .. .. .	4	10	(a)
do. do. (b) .. .. .	4,826	2,976	(a)
Tar .. .. .	43	220	1,607
Benzol .. .. .	58	41	—
Canary Islands (b)—			
Coal (bunkers) .. .. .	140,427	(a)	(a)
Egypt—			
Coke .. .. .	1,001	719	927
Briquettes .. .. .	399	1,885	(a)
Tar .. .. .	165	847	(a)
French West Africa (b)—			
Coal (bunkers) .. .. .	87,481	66,785	226,169
Madagascar (foreign coal)—			
Coal (bunkers) .. .. .	11,121	9,824	10,510
Morocco—			
Coal .. .. .	4,765	12,301	21,804
Coke .. .. .	10	—	—
Tar .. .. .	538	—	—

(a) Information not available.

(b) Foreign coal (see imports).

EXPORTS OF COAL, COKE AND BY-PRODUCTS (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Mozambique—			
Coal .. .. .	4,484	468	4,244
Réunion ( <i>b</i> )—			
Coal (bunkers) .. .. .	300	300	( <i>a</i> )
Spanish Morocco ( <i>b</i> )—			
Ceuta—			
Coal .. .. .	532	( <i>a</i> )	( <i>a</i> )
do. (bunkers) .. .. .	81,315	( <i>a</i> )	( <i>a</i> )
French West Indies—			
Martinique—			
Coal (bunkers) ( <i>c</i> ) .. .. .	21,500	150	( <i>a</i> )
Mexico—			
Coal .. .. .	( <i>a</i> )	24	76
Coke .. .. .	1,740	( <i>a</i> )	( <i>a</i> )
Netherlands West Indies—			
Coal (bunkers) .. .. .	246	61	( <i>a</i> )
St. Pierre and Miquelon ( <i>b</i> )—			
Coal (bunkers) .. .. .	12,000	18,700	9,800
United States—			
Anthracite .. .. .	1,158,581	1,436,205	1,498,236
Bituminous .. .. .	9,704,064	8,698,598	9,513,357
do. (bunkers) .. .. .	1,179,128	1,407,314	1,447,983
Coke .. .. .	841,772	548,192	598,493
Tar and pitch .. .. .	273,501	129,876	132,248
Benzol .. .. .	32,307	48,885	63,926
Creosote .. .. .	772	1,384	1,021
Argentina—			
Coal .. .. .	14,681	16,564	37,978
Coke .. .. .	151	415	65
Brazil—			
Coal .. .. .	93	8	32
Chile—			
Coal, including bunkers .. .. .	159,552	149,616	130,078
Coke .. .. .	87	114	69
Uruguay—			
Coal ( <i>b</i> ) .. .. .	38,137	25,317	40,593
China—			
Coal (including bunkers) .. .. .	796,781	852,266	1,303,625
Coal dust .. .. .	2,391	11,011	49,602
Coke .. .. .	6,428	7,132	11,242

(a) Information not available.

(b) Foreign coal (*see* imports).

(c) Foreign coal; excluded from imports.

## EXPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
<b>FOREIGN COUNTRIES (Cont.)</b>			
<b>Formosa—</b>			
Coal .. .. .	75,338	57,503	(a)
do. (bunkers) .. .. .	48,332	61,465	(a)
Coal dust .. .. .	187,825	167,849	(a)
do. (bunkers) .. .. .	202,015	247,544	(a)
Coke .. .. .	383	318	(a)
Tar .. .. .	66	116	(a)
<b>French Indo-China—</b>			
Coal .. .. .	1,142,040	1,469,388	1,679,999
do. (bunkers) .. .. .	12,536	15,896	13,130
Coke .. .. .	62	27	51
Briquettes .. .. .	2,318	2,824	4,783
do. (bunkers) .. .. .	3,148	1,080	410
Tar and pitch .. .. .	6	9	6
<b>Iran (Persia) (b) (c)—</b>			
Coal, coke and peat .. .. .	2	4	2
Benzol .. .. .	79	—	—
<b>Japan—</b>			
Coal .. .. .	1,070,035	1,002,725	1,094,567
do. (bunkers) .. .. .	2,058,423	2,376,598	(a)
Tar, pitch, etc. .. .. .	41,571	17,928	36,224
Asphalt .. .. .	(a)	14,149	6,881
<b>Korea—</b>			
Coal .. .. .	591,014	638,735	671,940
Briquettes .. .. .	78	—	207
<b>“Manchoukuo”—</b>			
Coal .. .. .	3,696,814	3,538,443	2,976,704
do. (bunkers) .. .. .	605,908	643,833	761,001
Coke .. .. .	10,371	13,179	26,780
Benzol .. .. .	1,069	2,817	5,720
Creosote .. .. .	(a)	(a)	2,407
Naphthalene .. .. .	(a)	(a)	1,188
<b>Netherlands East Indies—</b>			
Coal .. .. .	225,851	227,016	223,435
do. (bunkers) .. .. .	12,682	17,757	18,796
Coke .. .. .	—	51	—
<b>Syria and Lebanon—</b>			
Bituminous .. .. .	1,029	320	(a)
Coke .. .. .	153	—	10
Briquettes .. .. .	482	404	219
Tar .. .. .	15	—	33
<b>Turkey—</b>			
Coal, peat and briquettes .. .. .	665,077	660,152	530,156

(a) Information not available.

(b) Including re-exports.

(c) Years ended June 21.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS\*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Coal .. .. .	18,027	14,151	26,060
Coke .. .. .	25,191	32,863	101,243
Manufactured fuel.. .. .	1,398	200	173
Tar and pitch .. .. .	12,230	1,950	2,076
Heavy coal-tar oils .. .. .	74	51	1
Naphthalene .. .. .	946	201	445
Carbolic acid .. .. .	228	26	104
Cresylic acid .. .. .	179	44	141
Benzol .. .. .	102	6	1,263
Irish Free State—			
Anthracite .. .. .	54,476	43,056	41,622
Bituminous .. .. .	2,275,490	2,195,349	2,432,624
Coke .. .. .	20,784	22,996	22,769
Tar and pitch .. .. .	4,483	1,200	3,833
Creosote, etc. .. .. .	385	450	410
Tar and bitumen mixture .. .. .	3,671	5,342	8,990
Benzol .. .. .	52	56	63
Malta—			
Coal (b) .. .. .	88,046	103,332	113,710
Anglo-Egyptian Sudan—			
Coal .. .. .	77,080	85,580	104,303
Coke .. .. .	449	506	763
Patent fuel .. .. .	13,440	17,219	9,751
Tar and pitch .. .. .	42	61	34
Gambia—			
Coal, coke and patent fuel .. .. .	1,732	1,504	1,953
Gold Coast—			
Coal .. .. .	43,448	46,085	57,506
Coke .. .. .	335	547	335
Patent fuel .. .. .	286	510	434
Kenya and Uganda—			
Coal .. .. .	62,269	91,096	98,570
Coke .. .. .	194	380	619
Creosote, etc. .. .. .	59	47	69

\* For ammonium sulphate, etc., see Nitrogen Compounds, pages 259-267.

(b) Imported chiefly for bunkering purposes. See exports.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
Mauritius—			
Coal .. .. .	34,985	36,280	39,626
Coke .. .. .	272	329	271
Patent fuel .. .. .	7,916	6,000	9,499
Tar and pitch .. .. .	45	34	53
Nigeria—			
Coal .. .. .	27,015	29,283	32,596
Coke .. .. .	823	89	1,122
Patent fuel .. .. .	2,163	300	211
Northern Rhodesia—			
Coal and patent fuel .. .. .	204,404	352,251	284,217
Coke .. .. .	1,566	4,225	1,633
Tar and creosote oil .. .. .	280	81	251
Nyasaland—			
Coal and coke .. .. .	3,706	4,590	5,148
Sierra Leone—			
Coal ( <i>b</i> ) .. .. .	33,104	46,970	40,926
Coke .. .. .	10	27	32
Patent fuel .. .. .	1,500	3,600	3,002
Southern Rhodesia—			
Coal and coke .. .. .	132	163	229
Tar and pitch .. .. .	91	44	286
South West Africa—			
Coal .. .. .	1,209	1,468	1,986
Coke .. .. .	49	28	67
Tanganyika Territory—			
Coal .. .. .	5,917	25,178	6,462
Coke .. .. .	56	66	125
Creosote .. .. .	23	38	70
Union of South Africa—			
Coal .. .. .	40	13,164	22,376
Coke and patent fuel .. .. .	—	44	79
Tar and pitch .. .. .	668	596	562
Naphthalene .. .. .	250	197	103
Creosote .. .. .	290	254	248
Zanzibar—			
Coal .. .. .	2,807	3,795	2,734
Canada—			
Anthracite .. .. .	3,086,040	3,014,701	3,045,216
do. dust, etc. .. .. .	39,462	59,259	7,066
Bituminous .. .. .	8,167,691	7,399,780	8,300,077
do. (bunkers) .. .. .	251,375	273,962	318,483
Brown coal .. .. .	2,492	4,684	4,351
Coke .. .. .	723,081	565,006	573,714
Cresylic acid .. .. .	228	251	98

(b) Imported chiefly for bunkering purposes. See exports.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
Canada—( <i>cont.</i> )			
Tar .. .. .	4,089	8,396	9,842
Pitch .. .. .	2,099	2,065	3,105
Naphthalene .. .. .	377	599	395
Carbolic acid, etc. .. .. .	2,397	432	1,781
Newfoundland (years ended June 30)—			
Anthracite .. .. .	22,070	11,998	11,298
Other coal .. .. .	268,004	283,412	292,380
Coke .. .. .	753	620	826
British Guiana—			
Coal .. .. .	6,128	3,935	3,921
Coke .. .. .	91	123	126
Patent fuel .. .. .	4,901	5,100	3,400
British West Indies—			
Bahamas—			
Coal .. .. .	208	153	176
Barbados—			
Coal, coke, and patent fuel ..	4,093	5,931	4,164
Bermuda—			
Anthracite .. .. .	1,134	1,171	703
Bituminous .. .. .	4,132	11,802	6,914
Jamaica—			
Coal ( <i>b</i> ) .. .. .	124,260	122,723	166,622
Coke and patent fuel .. .. .	64	(£316)	(£239)
Leeward Islands—			
Coal, coke and patent fuel ..	2,204	2,298	1,434
St. Lucia—			
Coal ( <i>b</i> ) .. .. .	20,082	36,777	28,782
St. Vincent—			
Coal .. .. .	92	91	119
Trinidad and Tobago—			
Coal ( <i>b</i> ) .. .. .	33,805	42,159	37,696
Coke .. .. .	344	260	173
Patent fuel .. .. .	8,800	7,674	7,983
British Honduras—			
Coal and coke .. .. .	189	248	43
Aden (total imports)—			
Coal ( <i>b</i> ) .. .. .	40,400	66,503	83,257
Coke .. .. .	—	25	10
Tar and pitch .. .. .	13	14	39
Naphthalene .. .. .	315	249	257
Carbolic acid .. .. .	1	—	24

(*b*) Imported chiefly for bunkering purposes.



## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
British Borneo—			
Sarawak—			
Coal .. .. .	811	138	100
State of North Borneo—			
Coal and coke .. .. .	962	1,060	527
British India (total imports)—			
Coal .. .. .	57,442	64,284	75,128
Coke .. .. .	14,719	12,791	20,808
Coal and coke (government stores)	84	225	—
Tar and pitch .. .. .	4,781	4,457	3,399
Naphthalene .. .. .	583	421	267
Carbolic acid .. .. .	37	41	30
British Malaya (total imports)—			
Coal (c) .. .. .	556,001	576,565	589,485
Coke .. .. .	5,891	4,952	6,032
Tar and pitch .. .. .	1,952	2,294	1,672
Ceylon—			
Coal (c) .. .. .	404,976	436,948	405,536
Coke .. .. .	770	510	686
Cyprus—			
Coal .. .. .	6,002	3,895	4,589
Coke and briquettes .. .. .	540	134	21
Tar and pitch .. .. .	8	11	23
Hong Kong (total imports)—			
Anthracite .. .. .	68,522	80,984	59,612
Bituminous (c) .. .. .	699,448	749,697	695,855
Coke .. .. .	1,483	1,775	1,837
Briquettes .. .. .	303	450	1,480
Palestine—			
Anthracite .. .. .	28,234	41,380	9,718
Other coal .. .. .	16,813	32,538	24,871
Coke .. .. .	998	1,349	1,769
Briquettes .. .. .	4,052	4,744	3,745
Tar and pitch .. .. .	79	78	(a)
Australia—			
Coal .. .. .	5,549	10,155	50,066
Coke .. .. .	717	1,650	9,111
Tar and pitch .. .. .	79,638	91,281	95,432
Naphthalene .. .. .	211	143	66
Carbolic acid .. .. .	32	39	55
Tar oil .. .. .	1,223	511	292
Fiji—			
Coal .. .. .	26,155	31,489	24,427
Coke .. .. .	361	343	413
Tar and pitch .. .. .	69	92	136

(a) Information not available.

(c) Imported chiefly for bunkering purposes. See exports.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
Gilbert and Ellice Islands (c)—			
Coal .. .. .	1,353	2,915	(a)
New Guinea—			
Coal and coke(c) (£ Australian) ..	(£10,449)	(£7,400)	(£10,713)
New Zealand—			
Coal .. .. .	100,715	97,398	111,078
Coke .. .. .	610	868	866
Benzol, toluol, etc. .. .. .	36	93	95
Naphthalene (£ N.Z.) .. .. .	(£353)	(£629)	(£724)
Papua (c)—			
Coal and coke .. .. .	1,493	1,811	1,558
Solomon Islands (b)—			
Coal .. .. .	211	203	(a)
FOREIGN COUNTRIES			
Albania—			
Coal .. .. .	483	3,851	234
Naphthalene .. .. .	23	34	43
Austria—			
Coal .. .. .	2,546,419	2,429,574	2,323,357
Brown coal .. .. .	150,173	165,751	154,102
Coke .. .. .	318,041	363,200	389,799
Briquettes .. .. .	19,971	12,995	11,186
Carbolic acid .. .. .	352	422	412
Tar and pitch .. .. .	121	78	59
Naphthalene .. .. .	17	9	5
Carbolineum, creolin, etc. .. .. .	4	1	1
Tar oils .. .. .	822	1,926	1,980
Belgium-Luxemburg E.U.—			
Coal .. .. .	4,412,596	3,717,621	3,801,457
Brown coal .. .. .	127,200	131,029	154,014
Coke .. .. .	2,300,818	2,242,919	2,516,664
Briquettes .. .. .	186,829	134,889	106,931
Tar and pitch .. .. .	126,898	137,005	193,396
Naphthalene .. .. .	6,846	5,409	7,636
Distillates .. .. .	23,710	25,094	28,546
Bulgaria—			
Coal .. .. .	—	1,603	1,965
Coke .. .. .	3,579	3,498	2,288
Benzol .. .. .	48	25	11
Carbolic acid .. .. .	7	6	6
Naphthalene .. .. .	315	357	357
Creosote, etc. .. .. .	1,624	28	27

(a) Information not available.

(b) Years ended March 31 following.

(c) Years ended June 30.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Coal .. .. .	1,224,112	1,233,182	1,093,119
Brown coal .. .. .	48,511	56,284	66,666
Coke .. .. .	158,784	157,380	160,326
Briquettes .. .. .	22,782	26,946	27,484
Tar and pitch .. .. .	660	8,017	305
Benzol, etc .. .. .	5	5	2,539
Crude carbolic acid .. .. .	1,480	1,053	1,113
Cresol .. .. .	30	32	20
Denmark—			
Coal .. .. .	3,740,497	3,828,132	4,042,710
Coke .. .. .	928,437	991,827	1,131,600
Briquettes .. .. .	71,669	87,787	69,123
Tar and pitch .. .. .	1,939	1,247	529
Benzol .. .. .	1,035	1,063	880
Carbolic acid .. .. .	78	98	77
Estonia—			
Coal .. .. .	39,116	53,060	61,521
Coke .. .. .	2,526	2,933	2,924
Tar and pitch .. .. .	201	230	249
Naphthalene .. .. .	17	22	12
Carbolic acid .. .. .	4	3	2
Benzol .. .. .	25	13	10
Finland (total imports)—			
Anthracite .. .. .	2,012	804	2,518
Bituminous .. .. .	1,072,143	998,337	1,419,110
Brown coal, briquettes, etc. .. .. .	22	4	22
Coke .. .. .	203,744	203,209	274,856
Tar and pitch .. .. .	986	2,592	1,663
Carbolic acid, creosote and cresol .. .. .	1,202	2,126	2,109
Naphthalene .. .. .	109	113	105
Benzol .. .. .	11	17	10
Carbolineum .. .. .	74	64	55
France (b)—			
Anthracite .. .. .	2,661,896	2,679,788	2,669,332
Other coal .. .. .	13,769,919	14,929,436	15,691,399
Coke .. .. .	2,164,067	2,084,266	2,520,856
Briquettes .. .. .	925,669	894,385	985,327
Tar and pitch .. .. .	720,103	646,472	804,816
Naphthalene .. .. .	281	2,658	3,614
Carbolic acid, etc. .. .. .	962	934	1,203
Benzol .. .. .	21,331	22,576	29,183

(b) Including imports into the Saar Territory up to 17th February, 1935. Imports into France from all countries, including imports from the Saar territory, were (long tons)—

	1934
Coal ..	20,419,000
Coke ..	2,241,000
Briquettes ..	898,000

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Germany—			
Coal .. .. .	4,785,038	4,202,927	4,221,293
Brown coal .. .. .	1,748,817	1,634,199	1,618,126
Coke .. .. .	764,075	739,241	652,901
Coal briquettes .. .. .	107,840	92,050	90,163
Brown-coal briquettes .. .. .	86,081	72,474	77,945
Tar and pitch .. .. .	88,701	15,942	640
Naphthalene .. .. .	3,858	1,895	220
Carbolic acid .. .. .	1,228	1,582	1,010
Cresol .. .. .	875	945	1,668
Light coal-tar oils, etc. .. .. .	78,896	59,055	57,053
Heavy coal-tar oils, etc. .. .. .	40,662	11,465	4,527
Greece—			
Coal .. .. .	744,521	731,867	855,005
Coke .. .. .	63,206	60,683	63,115
Naphthalene .. .. .	664	916	567
Pitch .. .. .	562	518	562
Benzol .. .. .	156	177	80
Hungary—			
Coal .. .. .	235,744	185,553	188,435
Brown coal .. .. .	2,559	499	422
Coke .. .. .	173,562	174,401	268,827
Briquettes .. .. .	482	221	—
Tar and pitch .. .. .	11,327	4,757	10,546
Benzol .. .. .	413	135	129
Carbolic acid and cresol .. .. .	14	11	8
Iceland—			
Coal .. .. .	137,090	158,205	159,925
Coke .. .. .	1,007	(a)	(a)
Tar and pitch .. .. .	29	(a)	(a)
Carbolineum .. .. .	16	(a)	(a)
Italy—			
Anthracite .. .. .	1,105,633	1,123,328	631,216
Bituminous coal .. .. .	10,230,046	11,930,639	7,849,304
Lignite .. .. .	47,353	67,673	24,620
Coke .. .. .	936,311	1,027,417	522,164
Coal briquettes .. .. .	160,086	135,755	65,271
Brown-coal briquettes .. .. .	51,109	48,324	10,668
Tar and tar oils .. .. .	5,711	19,606	10,586
Carbolic acid .. .. .	650	678	344
Naphthalene .. .. .	1,779	2,651	2,514
Benzol, toluol and xylol .. .. .	10,084	16,321	8,059

(a) Information not available.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Coal .. .. .	461,570	577,419	633,997
Coke .. .. .	53,619	80,072	65,939
Tar and pitch .. .. .	414	1,046	272
Carbolic acid .. .. .	12	10	11
Naphthalene .. .. .	50	43	45
Benzol .. .. .	5	7	5
Creosote, etc. .. .. .	1,208	1,015	1,025
Lithuania—			
Coal .. .. .	225,585	217,892	248,961
Coke .. .. .	18,800	20,279	16,468
Briquettes .. .. .	2,579	280	6
Carbolic acid .. .. .	4	6	4
Naphthalene .. .. .	26	21	17
Tar .. .. .	661	316	945
Benzol .. .. .	9	9	16
Carbolineum .. .. .	24	—	5
Asphalt and pitch .. .. .	1,593	815	2,127
Netherlands—			
Coal (b) .. .. .	7,585,761	6,972,376	7,177,718
Brown coal .. .. .	47	36	88
Coke .. .. .	351,975	306,303	367,957
Briquettes .. .. .	353,993	347,149	330,012
Brown-coal briquettes .. .. .	141,053	132,296	132,148
Tar .. .. .	383	7,030	4,645
Creosote .. .. .	10,601	12	2
Naphthalene .. .. .	530	525	744
Carbolic acid .. .. .	307	246	242
Benzol .. .. .	131	761	6,197
Toluol and xylol .. .. .	265	280	307
Carbolineum .. .. .	338	550	542
Naphtha .. .. .	118	208	115
Asphalt .. .. .	1,843	193	480
Norway—			
Coal .. .. .	2,090,486	2,147,302	2,254,215
Coke .. .. .	362,414	412,503	398,169
Tar and pitch, etc. .. .. .	14,717	10,935	6,950
Creosote, etc. .. .. .	3,254	4,144	5,033

(b) Of which the amounts imported for bunkering purposes were :

1934 .. .. .	1,962,870 long tons
1935 .. .. .	1,991,367 " "
1936 .. .. .	2,384,232 " "

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Poland—			
Anthracite .. .. .	13,056	9,028	7,813
Bituminous coal .. .. .	75,662	92,754	86,462
Coke .. .. .	52,691	60,193	64,621
Briquettes .. .. .	5,729	7,115	7,405
Tar and pitch .. .. .	6,523	7,236	7,054
Creosote, etc. .. .. .	13	219	5
Benzol .. .. .	11	1	1
Carbolic acid, etc. .. .. .	5	7	18
Portugal—			
Coal and coke .. .. .	1,092,047	1,142,425	1,069,819
Briquettes .. .. .	6,790	9,509	12,221
Tar and pitch .. .. .	932	874	589
Carbolic acid .. .. .	3	5	1
Naphthalene .. .. .	78	73	45
Roumania—			
Anthracite .. .. .	1,968	280	(a)
Bituminous coal .. .. .	36,082	20,304	(a)
Coke .. .. .	39,867	37,875	(a)
Brown coal .. .. .	26	20	(a)
Briquettes .. .. .	99	2	(a)
Naphthalene .. .. .	269	220	(a)
Benzol .. .. .	483	93	(a)
Tar .. .. .	1,285	127	(a)
Creosote, etc. .. .. .	12	5,031	(a)
Carbolic acid .. .. .	105	48	(a)
Spain—			
Anthracite .. .. .	77,072	75,552	(a)
Bituminous coal .. .. .	931,705	982,029	(a)
Other coal .. .. .	54	28	(a)
Coke .. .. .	80,901	78,916	(a)
Briquettes .. .. .	17,114	15,352	(a)
Benzol, toluol, xylol, etc. .. .. .	1,008	1,034	(a)
Cresol and carbolic acid .. .. .	14	12	(a)
Creosote .. .. .	330	156	(a)
Tar and pitch .. .. .	37,977	49,363	(a)
Sweden—			
Anthracite .. .. .	84,283	85,539	96,186
Bituminous coal .. .. .	5,097,133	5,085,148	5,431,547
Coke .. .. .	1,459,216	1,719,030	2,044,894
Briquettes .. .. .	6,490	5,512	9,187
Tar, pitch, etc. .. .. .	2,142	2,477	3,654
Benzol .. .. .	565	911	1,225
Carbolic acid, etc. . . . .	6,168	5,817	8,162

(a) Information not available.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Coal .. .. .	1,870,284	1,768,863	1,822,685
Lignite .. .. .	376	477	472
Coke .. .. .	731,097	798,783	835,751
Briquettes .. .. .	467,231	470,929	468,868
Tar and pitch .. .. .	31,720	42,087	24,049
Creosote, etc. .. .. .	1,127	927	894
Naphthalene, etc. .. .. .	8,504	9,262	9,466
U.S.S.R. (Russia)—			
Coal .. .. .	25,924	35	1,960
Coke and briquettes .. .. .	36	29	15
Yugoslavia—			
Anthracite .. .. .	25,016	53,748	29,951
Bituminous coal .. .. .	133,188	162,638	138,534
Lignite .. .. .	118	—	24
Brown coal .. .. .	694	2,224	1,348
Coke .. .. .	178,523	204,262	129,800
Briquettes .. .. .	17	74	206
Tar .. .. .	1,468	1,247	1,394
Light oils .. .. .	540	434	158
Heavy oils .. .. .	5,217	4,366	6,239
Naphthalene, etc. .. .. .	403	283	361
Carbolic acid, etc. .. .. .	21	36	21
Algeria—			
Coal (b) .. .. .	458,974	520,182	519,615
Coke .. .. .	3,689	1,810	1,079
Briquettes .. .. .	158,759	174,740	113,367
Tar and pitch .. .. .	3,994	5,228	4,823
Benzol .. .. .	62	116	194
Naphthalene .. .. .	213	132	82
Heavy oils .. .. .	217	56	504
Angola—			
Coal .. .. .	19,970	35,152	33,702
Tar and pitch .. .. .	118	143	(a)
Belgian Congo—			
Coal .. .. .	5,088	3,213	6,493
Coke .. .. .	49,680	53,649	44,569
Briquettes .. .. .	22,354	20,934	24,868
Cameroon (French)—			
Coal and briquettes .. .. .	3,156	7,492	1,283

(a) Information not available.

(b) Total imports (chiefly for bunkering purposes) were:—

1934 .. .. . 1,374,134 long tons.

1935 .. .. . 1,498,465 ..

1936 .. .. . 1,217,637 ..

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Canary Islands (total imports)—			
Anthracite (c) .. .. .	1,642	(a)	(a)
Bituminous (c) .. .. .	203,356	(a)	(a)
Briquettes .. .. .	2,125	(a)	(a)
Coke .. .. .	103	(a)	(a)
Tar and pitch .. .. .	7	(a)	(a)
Benzol, toluol, etc. .. .. .	32	(a)	(a)
Egypt—			
Coal .. .. .	1,143,706	1,480,759	967,333
Coke .. .. .	15,613	27,229	17,892
Briquettes .. .. .	44,938	53,892	45,780
Tar and pitch .. .. .	186	2,875	1,438
Naphthalene .. .. .	139	128	67
French Equatorial Africa—			
Coal and briquettes .. .. .	5,947	7,086	13,921
French Somaliland—			
Coal .. .. .	14,090	17,298	19,243
French Togoland—			
Coal and briquettes .. .. .	1,343	2,156	(a)
Coke .. .. .	295	196	(a)
French West Africa—			
Coal and briquettes (c) .. .. .	140,070	117,411	263,857
Tar .. .. .	269	402	236
Madagascar—			
Coal .. .. .	17,449	17,488	16,005
Coke .. .. .	241	166	60
Tar .. .. .	141	160	257
Morocco—			
Coal .. .. .	109,752	115,604	91,292
Coke .. .. .	2,405	2,886	3,723
Briquettes .. .. .	38,522	29,340	33,648
Tar .. .. .	2,015	5,701	4,953
Benzol, etc. .. .. .	63	20	38
Mozambique—			
Coal .. .. .	98,937	91,316	104,133
Coke .. .. .	134	159	108
Tar and pitch .. .. .	107	157	120
Naphthalene .. .. .	4	5	2

(a) Information not available.

(c) Imported chiefly for bunkering purposes. See exports.



## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Réunion—			
Coal .. .. .	8,752	8,903	8,770
Coke .. .. .	79	54	(a)
Spanish Morrocco (b)—			
Ceuta—			
Coal (c) .. .. .	97,100	(a)	(a)
Coke .. .. .	2,071	(a)	(a)
Melilla—			
Coal .. .. .	16,450	(a)	(a)
Coke .. .. .	551	(a)	(a)
Tunis—			
Coal .. .. .	150,201	177,277	171,152
Coke .. .. .	8,576	11,628	10,809
Briquettes .. .. .	12,230	8,308	19,718
Tar .. .. .	4,415	2,647	2,374
Costa Rica (b)—			
Coal .. .. .	78	(a)	(a)
Cuba (b)—			
Coal .. .. .	277,098	270,924	(a)
Coke .. .. .	35,430	33,905	(a)
Creosote oil .. .. .	115	148	(a)
Tar .. .. .	56	209	(a)
Benzol .. .. .	164	98	(a)
Dominican Republic (b)—			
Coal .. .. .	3,233	4,460	} 4,319
Coke, briquettes, etc. .. .. .	143	212	
French West Indies—			
Guadeloupe—			
Coal and coke .. .. .	2,881	2,817	2,119
Martinique—			
Coal .. .. .	14,137	5,666	11,169
Coke .. .. .	36	—	—
Guatemala—			
Coal .. .. .	564	37	491
Coke .. .. .	98	109	24
Tar and pitch .. .. .	34	30	44
Haiti (years ended September 30)—			
Coal .. .. .	21	29	27

(a) Information not available.

(b) Total imports.

(c) Imported chiefly for bunkering purposes. See exports.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Honduras (years ended July 31)—			
Coal .. .. .	(a)	561	(a)
Mexico—			
Coal .. .. .	17,898	13,087	11,724
Coke .. .. .	758	1,029	5,290
Tar and pitch .. .. .	60	49	60
Benzol .. .. .	3	6	3
Netherlands West Indies—			
Coal .. .. .	244	1,144	(a)
Nicaragua (total imports)—			
Coal and coke .. .. .	76	96	135
St. Pierre and Miquelon—			
Coal .. .. .	10,000	26,180	16,300
Salvador—			
Coal, coke and briquettes ..	106	(a)	(a)
United States—			
Anthracite .. .. .	426,891	510,213	548,785
Bituminous coal and lignite ..	108,158	143,464	223,218
Slack and culm .. .. .	52,254	36,778	19,459
Coke .. .. .	143,691	283,374	294,606
Briquettes .. .. .	—	14,981	18,170
Tar and pitch .. .. .	23,228	20,621	7,405
Benzene .. .. .	3,909	924	2,068
Cresylic acid .. .. .	3,344	3,198	6,292
Creosote oil .. .. .	126,087	136,958	164,221
Naphthalene .. .. .	21,426	21,632	17,770
Carbolic acid .. .. .	11	9	32
Argentina—			
Coal .. .. .	2,440,787	2,350,030	2,591,349
Coke .. .. .	26,742	26,432	36,062
Briquettes .. .. .	234,001	239,291	175,665
Tar and pitch .. .. .	202	183	112
Naphthalene .. .. .	694	585	419
Carbolic acid .. .. .	255	552	282
Creolin .. .. .	85	75	116
Heavy coal-tar oils .. .. .	1,525	1,770	1,352
Brazil (total imports)—			
Coal .. .. .	1,062,499	1,293,928	1,269,658
Coke .. .. .	27,484	43,783	26,600
Briquettes .. .. .	27,307	76,915	112,314
Tar and bitumen .. .. .	7,000	(a)	8,460

(a) Information not available.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Chile—			
Coal .. .. .	335	31	17,632
Coke .. .. .	6,006	6,669	8,672
Briquettes .. .. .	497	—	—
Naphthalene, etc. .. .. .	33	26	17
Carbolic acid and cresol .. .. .	2,048	1,397	949
Colombia—			
Coal and briquettes .. .. .	3,022	783	428
Tar and pitch .. .. .	347	(a)	104
Cresol, creolin, etc. .. .. .	2	(a)	100
Dutch Guiana—			
Coal .. .. .	3,619	3,982	(a)
Coke .. .. .	49	—	(a)
French Guiana—			
Coal .. .. .	70	19	91
Coke .. .. .	—	39	5
Peru—			
Coal .. .. .	18,817	19,998	22,270
Coke .. .. .	1,790	2,673	2,528
Tar .. .. .	160	208	137
Naphthalene .. .. .	20	20	12
Uruguay—			
Coal .. .. .	302,822	324,888	(a)
Venezuela—			
Coal .. .. .	6,169	4,896	(a)
Naphthalene .. .. .	2	13	(a)
China—			
Anthracite .. .. .	154,115	230,388	291,565
Other coal .. .. .	865,770	529,288	258,240
Coke .. .. .	2,325	2,391	1,944
Briquettes .. .. .	2,150	2,533	2,026
Tar and pitch .. .. .	1,606	1,901	2,842
Benzol .. .. .	(a)	(a)	1,470
Carbolic acid .. .. .	950	530	631
Naphthalene .. .. .	1,137	991	825
Formosa—			
Coal .. .. .	8,563	5,972	(a)
Coke .. .. .	1,775	2,559	(a)
French Indo-China—			
Coal .. .. .	15,674	14,362	18,345
Coke .. .. .	249	327	426
Briquettes .. .. .	552	—	—
Tar and pitch .. .. .	2,689	4,413	4,174
Naphthalene .. .. .	35	48	46

(a) Information not available.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Iran (Persia) (total imports) (b)—			
Coal, coke and peat .. .. .	819	454	949
Tar .. .. .	388	159	1,627
Iraq—			
Coal .. .. .	2,892	1,289	3,431
Coke .. .. .	222	211	354
Tar and pitch .. .. .	38	27	22
Japan (total imports)—			
Coal .. .. .	3,996,506	3,984,824	4,122,619
Coke .. .. .	5,975	5,190	8,583
Carbolic acid .. .. .	—	30	51
Naphthalene .. .. .	3,288	4,009	5,644
Distillates .. .. .	2,752	7,202	10,026
Korea (total imports)—			
Coal .. .. .	1,209,312	1,345,531	1,543,772
Coke .. .. .	35,607	44,913	71,193
Tar and pitch .. .. .	1,681	1,916	1,063
“ Manchoukuo ”—			
Coal and briquettes .. .. .	29,366	58,405	60,376
Tar .. .. .	189	501	120
Netherlands East Indies—			
Coal .. .. .	56,716	54,489	66,534
Coke .. .. .	2,424	2,018	2,372
Tar .. .. .	1,466	3,570	2,256
Benzol .. .. .	44	13	15
Carbolineum .. .. .	191	168	230
Carbolic acid .. .. .	22	35	28
Creolin, etc. .. .. .	213	184	176
Naphthalene .. .. .	219	261	308
Asphalt .. .. .	4	27	12
Philippine Islands—			
Coal .. .. .	227,128	246,572	362,979
Coke .. .. .	2,956	2,669	2,293
Carbolic acid .. .. .	4	1	4
Siam (total imports)—			
Coal .. .. .	27,633	21,136	43,899
Coke .. .. .	1,551	2,242	2,244

(b) Years ended June 21.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Syria and Lebanon—			
Coal .. .. .	33,688	49,210	70,438
Briquettes .. .. .	29,321	49,149	43,166
Coke .. .. .	3,093	1,494	2,147
Tar .. .. .	17	6	9
Naphthalene .. .. .	34	28	15
Turkey—			
Anthracite .. .. .	17,825	19,160	7,843
Coal, peat and briquettes .. .. .	2,439	2,249	5,251
Coke .. .. .	21,067	28,219	26,623
Creosote .. .. .	3,130	11,109	1,119
Cresol and naphthalene .. .. .	360	731	1,166
New Caledonia—			
Coal .. .. .	81,810	73,641	86,144
Coke .. .. .	2,950	1,480	2,170

## COBALT

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### PRODUCTION OF COBALT

(Cwt.)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Northern Rhodesia .. ..	11,429	8,203	9,078
Canada (c) .. .. .	5,310	6,084	7,925
India (b) .. .. .	3,477	4,452	3,970
Australia .. .. .	160	—	—
<b>FOREIGN COUNTRIES</b>			
French Morocco .. ..	3,260	8,759	8,600
Japan (ore) .. .. .	—	188	(a)

*Note* :—Cobalt is also obtained in Belgium from material shipped from the Belgian Congo, and complex ores containing cobalt are produced in Germany, Greece, Japan and China, but figures of cobalt content are not available.

(a) Information not available.

(b) Estimated cobalt content of nickel-speiss exported to Hamburg.

(c) Metal recovered from smelter products plus cobalt contained in cobalt residues exported.

## EXPORTS OF COBALT, ETC.

*(Domestic Produce)*

(Cwt.)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys ..	107	119	85
Cobalt oxide .. ..	715	808	507
Northern Rhodesia—			
Cobalt alloy .. ..	22,429	16,161	18,500
Canada—			
Cobalt ore ( <i>Co content</i> ) ..	1,958	3,744	4,698
Cobalt .. ..	345	16	21
Cobalt alloys .. ..	280	236	386
Cobalt oxides and salts ..	4,283	3,377	4,326
Australia—			
Cobalt ore .. ..	685	316	44
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.(b)—			
Cobalt oxide and pigments	3,691	7,403	5,947
Cobalt salts .. ..	1,449	1,148	827
Czechoslovakia—			
Zaffre and smalt .. ..	—	81	2
France—			
Cobalt salts .. ..	262	561	880
Morocco—			
Ore .. ..	24,223	72,017	78,925

(b) Exports of cobalt metal are not separately recorded, but imports into the United States from Belgium were as follows:—

1934 ..	3,855 cwt.
1935 ..	4,452 „
1936 ..	7,776 „

IMPORTS OF COBALT, ETC.  
(Less Re-exports)  
(Cwt.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Rondels, pellets and squares	2,873	2,700	4,361
Other kinds, including alloys .. .. .	251	441	1,486
Cobalt oxide .. .. .	3,307	3,962	4,446
Canada—			
Ore .. .. .	6	—	—
Cobalt oxide .. .. .	3	1	4
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Cobalt oxide and pigments	333	276	510
Cobalt salts .. .. .	122	108	140
Bulgaria—			
Cobalt salts .. .. .	1	4	—
Czechoslovakia—			
Zaffre and smalt .. .. .	301	248	305
France—			
Cobalt ore .. .. .	5,092	11,675	6,929
Cobalt oxide, including zaffre and smalt .. .. .	695	61	30
Cobalt salts .. .. .	38	41	22
Italy—			
Cobalt oxide .. .. .	299	512	474
Poland—			
Cobalt salts .. .. .	191	183	218
Roumania—			
Cobalt oxide .. .. .	32	74	(a)
U.S.S.R. (Russia)—			
Cobalt .. .. .	413	768	827
Cobalt oxide .. .. .	256	512	591
Mexico—			
Cobalt .. .. .	—	—	2,072
United States—			
Cobalt ore .. .. .	10,607	3,742	9,284
Cobalt metal .. .. .	4,519	5,035	7,887
Cobalt oxide .. .. .	2,935	4,974	7,265
Cobalt salts .. .. .	391	719	417
French Indo-China—			
Cobalt oxide .. .. .	20	8	22
Japan (total imports)—			
Cobalt oxide .. .. .	1,524	1,444	2,005
Turkey—			
Cobalt .. .. .	39	46	—
Cobalt salts .. .. .	4	10	4

(a) Information not available.



**COPPER**

## PRODUCTION OF COPPER ORE

*(In terms of metal)*

(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	14	50	62
Northern Rhodesia .. .. .	157,599	168,659	170,728
Southern Rhodesia .. .. .	—	—	10
Union of South Africa .. .. .	7,738	10,529	8,925
Canada .. .. .	162,840	187,053	187,959
Newfoundland .. .. .	4,229	2,910	5,258
Cyprus (estimated) .. .. .	3,900	12,232	16,351
Federated Malay States .. .. .	—	—	21
India (estimated) .. .. .	11,500	11,100	11,200
Australia .. .. .	12,012	16,990	18,561
Total .. .. .	360,000	410,000	420,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	82	54	12
Bulgaria .. .. .	130	146	—
Czechoslovakia .. .. .	160	240	341
Finland .. .. .	8,666	11,380	11,760
France .. .. .	325	586	(a)
Germany .. .. .	25,560	26,987	26,481
Greece .. .. .	169	65	(a)
Hungary .. .. .	224	240	114
Italy .. .. .	388	330	410
Norway .. .. .	20,800	20,190	22,249
Portugal (estimated) .. .. .	2,000	2,000	2,000
Roumania .. .. .	88	120	160
Spain (estimated) .. .. .	30,000	30,000	25,000
Sweden .. .. .	4,982	6,287	7,975
U.S.S.R. (Russia) .. .. .	43,400	62,250	82,000
Yugoslavia .. .. .	42,300	41,000	41,000
Algeria .. .. .	134	18	—
Angola (estimated) .. .. .	20	(a)	(a)
Belgian Congo (smelter) .. .. .	108,346	105,981	94,156
French Equatorial Africa .. .. .	98	—	—
Cuba .. .. .	6,094	6,850	11,447

(a) Information not available.

## PRODUCTION OF COPPER ORE (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Mexico (b) .. .. .	43,569	38,751	29,244
United States (b) .. .. .	211,969	339,724	536,349
Bolivia (exports) .. .. .	1,596	1,883	3,198
Chile (b) .. .. .	252,646	262,864	252,000
Panama .. .. .	116	39	22
Peru .. .. .	27,283	30,237	33,000
China (smelter) .. .. .	463	(a)	(a)
Formosa (estimated).. .. .	5,000	4,000	(a)
Japan (smelter) .. .. .	65,944	68,215	76,505
Korea .. .. .	1,400	2,200	(a)
Total .. .. .	900,000	1,060,000	1,260,000
WORLD'S TOTAL .. .. .	1,260,000	1,470,000	1,680,000

(a) Information not available.

(b) Amount estimated as recoverable.

## METAL PRODUCTION OF COPPER

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	11,200	12,400	9,300
Northern Rhodesia .. .. .	137,897	143,501	142,333
Union of South Africa .. .. .	8,196	11,449	9,865
Canada (c) .. .. .	149,421	172,697	170,676
India .. .. .	6,300	6,900	7,200
Australia .. .. .	7,970	11,168	13,313
Total	321,000	358,000	353,000
FOREIGN COUNTRIES			
Austria .. .. .	587	1,316	1,771
Belgium .. .. .	60,135	80,429	(a)
Czechoslovakia .. .. .	623	926	1,086
Finland .. .. .	—	—	6,531
France .. .. .	592	42	(a)
Germany (b) .. .. .	52,200	55,100	58,700
Italy .. .. .	446	(d) 354	462
Norway .. .. .	7,863	8,305	8,233
Roumania .. .. .	199	963	635
Spain .. .. .	13,559	11,379	(e) 10,000
Sweden .. .. .	7,980	8,677	10,082
U.S.S.R. (Russia) .. .. .	52,491	62,250	82,000
Yugoslavia .. .. .	43,669	38,384	38,778
Belgian Congo .. .. .	108,346	105,981	94,156
Mexico .. .. .	42,410	37,592	27,942
United States .. .. .	247,257	372,646	583,285
Chile .. .. .	243,808	255,825	241,407
Peru .. .. .	27,590	29,607	32,250
China .. .. .	463	(a)	(a)
Japan .. .. .	65,944	68,215	76,505
Korea .. .. .	1,412	2,135	(a)
Total ..	980,000	1,140,000	1,350,000
WORLD'S TOTAL .. ..	1,300,000	1,500,000	1,700,000

(a) Information not available.

(b) *Metallgesellschaft* figures.

(c) Copper content of blister copper.

(d) 7,889 long tons of secondary copper were also produced.

(e) Estimated.

## EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc. .. .. .	386	526	470
Bars and ingots .. .. .	11,867	12,739	16,961
Scrap .. .. .	4,236	12,394	14,583
Plates, sheets, etc. .. .. .	14,115	12,174	4,535
Rods and wire .. .. .	7,576	10,382	11,392
Tubes .. .. .	1,246	1,318	1,438
Sulphate .. .. .	39,845	35,534	26,486
Northern Rhodesia—			
Ore and concentrates .. .. .	5	2,942	10
Blister, etc. .. .. .	129,555	138,241	141,200
South West Africa—			
Copper-lead ore .. .. .	—	4,846	—
Union of South Africa—			
Ore and concentrates .. .. .	—	—	26
Bars, plates, etc. .. .. .	6,999	8,412	8,917
Canada—			
Ore, matte, etc. ( <i>Cu content</i> ) .. .. .	15,690	17,278	20,321
Blister .. .. .	12,037	32,748	—
Scrap .. .. .	1,736	2,825	3,620
Ingots, etc. . . . .	83,729	108,721	138,777
Rods sheets, tubes, etc. .. .. .	25,850	16,302	21,497
Newfoundland ( <i>b</i> )—			
Concentrates (copper-lead) .. .. .	826	1,298	480
British India—			
Matte, etc. . . . .	11,652	9,821	7,663
British Malaya (including re-exports)—			
Ingots, sheets, wire, etc. .. .. .	52	48	86
Cyprus—			
Ore, pyrites, etc. ( <i>Cu content</i> ) ( <i>c</i> ) .. .. .	3,900	12,232	16,351
Hong Kong (including re-exports)—			
Bars, sheets, tubes and wire .. .. .	113	571	414
Sulphate .. .. .	4	5	3
Australia—			
Ore, etc. ( <i>Cu content</i> ) ( <i>b</i> ) .. .. .	842	880	2,179
Matte .. .. .	501	—	1,000
Blocks and ingots .. .. .	96	14	19
Bars, sheets, wire, etc. .. .. .	952	3,947	3,534

*(b)* Years ended June 30.*(c)* Estimated.

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Rough copper and scrap .. ..	1,102	960	1,217
Bars, sheets, wire, etc. .. ..	810	1,113	691
Sulphate .. .. .	1	1	7
Belgium-Luxemburg E.U.—			
Ore .. .. .	—	—	210
Rough copper and scrap .. ..	60,396	107,736	78,203
Sheets, wire, etc. .. .. .	16,777	7,231	8,367
Sulphate .. .. .	22,278	20,351	24,205
Bulgaria—			
Ore .. .. .	—	13	—
Ingot and scrap .. .. .	5	—	—
Czechoslovakia—			
Crude, refined and scrap .. ..	1,996	2,874	2,223
Sheets, rods, wire, etc. .. ..	133	72	124
Denmark—			
Bars, sheets, wire, etc. .. ..	81	82	93
Estonia—			
Scrap .. .. .	128	208	149
Finland—			
Ore .. .. .	51,827	56,306	21,966
Rough copper and scrap .. ..	145	225	6,847
France—			
Ore, matte, etc. .. .. .	3,131	1,974	2,536
Ingots, alloys, etc. .. .. .	996	1,369	1,650
Scrap .. .. .	3,520	751	5,590
Bars, sheets and wire .. .. .	6,753	7,978	5,404
Sulphate .. .. .	6,528	2,959	9,654
Germany—			
Ore, including burnt cupreous pyrites .. .. .	4,947	5,707	5,422
Rough copper .. .. .	27,490	1,139	3,837
Coin and scrap .. .. .	19	—	—
Bars, sheets, wire, etc. .. ..	27,337	29,462	27,326
Sulphate, including ferrous sul- phate .. .. .	4,924	3,901	5,742
Hungary—			
Rough copper and scrap .. ..	2	—	1
Bars, sheets, wire, etc. .. ..	994	1,246	823

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore .. .. .	484	135	50
Ingots, scrap and alloys .. ..	700	18	14
Bars, sheets, wire, etc., and alloys	368	1,168	1,421
Sulphate .. .. .	4,641	4,249	198
Netherlands—			
Ingots and bars .. .. .	41	63	130
Scrap .. .. .	610	1,516	2,056
Sheets, tubes and wire .. ..	983	1,266	1,423
Sulphate .. .. .	34	22	14
Norway—			
Ore .. .. .	1,463	1,054	3,581
Concentrates .. .. .	12,999	13,132	14,251
Cupreous pyrites .. .. .	366,162	289,895	337,364
Burnt cupreous pyrites .. ..	31,659	42,063	19,295
Refined copper .. .. .	6,374	6,627	7,360
Scrap, including brass .. ..	664	1,392	2,482
Sheets, tubes, wire, etc., including brass .. .. .	147	323	63
Poland—			
Precipitate and scrap .. ..	18	16	35
Pigs, bars and ingots .. ..	—	3	—
Sheets, tubes and wire .. ..	7	22	43
Sulphate .. .. .	469	310	481
Portugal—			
Cupreous pyrites .. .. .	226,247	126,149	340,699
Precipitate .. .. .	308	329	335
Sulphate .. .. .	59	94	81
Roumania—			
Rough and scrap .. .. .	239	—	(a)
Spain—			
Ore—			
Not more than 5% copper .. ..	244,770	183,777	(a)
More than 5% copper .. ..	—	52	(a)
Precipitate and scrap (b) .. ..	9,167	4,692	(a)
Ingots (b) .. .. .	571	129	(a)
Sulphate .. .. .	14	32	(a)
Sweden—			
Ore .. .. .	1,308	1,676	3,600
Rough copper .. .. .	3,487	3,078	6,588
Scrap, including brass .. ..	3,036	5,727	6,077
Sheets, tubes, wire, etc. .. ..	8,073	8,273	10,939
Sulphate .. .. .	—	6	—

(a) Information not available.

(b) Including alloys.

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Ore, filings and turnings .. .. .	1,250	897	1,232
Bars, ingots, etc (c) .. .. .	324	209	308
Scrap (c) .. .. .	719	664	1,440
Sheets, tubes, wire, etc. (c) .. .. .	4,892	4,974	5,580
U.S.S.R. (Russia)—			
Ingots, bars, sheets, etc. .. .. .	32	25	28
Yugoslavia—			
Ore .. .. .	5	198	—
Ingots and scrap .. .. .	35,555	37,154	37,064
Sulphate .. .. .	2	5	72
Algeria—			
Bars, sheets and wire .. .. .	138	56	6
Scrap .. .. .	593	991	1,005
Sulphate .. .. .	23	100	15
Angola—			
Ore .. .. .	274	—	(a)
Belgian Congo—			
Ore .. .. .	17	—	—
Matte .. .. .	86,696	97,051	76,982
Ingots .. .. .	42,993	50,279	45,270
Canary Islands—			
Precipitate and scrap .. .. .	89	(a)	(a)
Egypt (including re-exports)—			
Rough copper and scrap .. .. .	405	736	—
French Equatorial Africa—			
Ore .. .. .	—	2,160	113
French Morocco—			
Scrap .. .. .	125	364	351
Spanish Morocco (Melilla) (b)—			
Precipitate and scrap (c) .. .. .	298	(a)	(a)
Tunis (including re-exports)—			
Ore .. .. .	122	—	78
Cuba—			
Ore .. .. .	30,806	24,248	37,998
Scrap .. .. .	38	70	(a)
Mexico—			
Ores, concentrates, etc. (Cu content)	1,114	} 45,779	{ 1,776
Bars, etc. (Cu content) .. .. .	44,693		
Panama—			
Concentrates .. .. .	99	(a)	(a)
United States—			
Ores, matte, blister, etc. (Cu content)	14,628	6,853	3,022
Refined ingots, etc. .. .. .	234,256	232,800	196,777

(a) Information not available.

(b) Including re-exports.

(c) Including alloys.

## EXPORTS OF COPPER, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
Scrap .. .. .	11,246	8,519	11,802
Sheets, rods, wire, etc. .. ..	15,513	17,897	17,688
Sulphate .. .. .	1,723	2,013	4,792
Argentina—			
Ore .. .. .	25	51	35
Ingots, sheets and scrap .. ..	105	94	148
Bolivia—			
Ore, etc. ( <i>Cu content</i> ) .. ..	1,596	1,883	3,198
Chile—			
Ore and concentrates .. .. .	44,983	45,840	70,554
Precipitate .. .. .	188	208	203
Ingots .. .. .	236,019	255,655	235,459
Peru—			
Ore ( <i>Cu content</i> ) .. .. .	247	392	708
Matte, etc. ( <i>do.</i> ) .. .. .	60	23	21
Bars ( <i>do.</i> ) .. .. .	26,930	28,994	31,338
Precipitate ( <i>do.</i> ) .. .. .	4	8	16
Venezuela—			
Scrap .. .. .	89	68	(a)
French Indo-China—			
Ingots, sheets, wire, alloys, etc. ..	2	10	2
Scrap .. .. .	60	23	79
Formosa—			
Copper .. .. .	370	595	(a)
Japan—			
Ingots and blocks .. .. .	1,073	683	7
Bars, rods and tubes .. .. .	(a)	2,037	769
Plates, sheets and wire .. .. .	8,123	14,134	9,462
Korea—			
Ingots .. .. .	1,563	1,688	2,140
"Manchoukuo"—			
Ingots and slabs .. .. .	—	43	1,022
Scrap .. .. .	5,433	3,194	1,523
Netherlands East Indies—			
Scrap .. .. .	962	1,157	2,081
Philippine Islands—			
Ore .. .. .	—	114	6
Scrap .. .. .	399	286	407
Syria and Lebanon—			
Ore .. .. .	—	—	60
Ingots and scrap .. .. .	—	—	122
Turkey—			
Ingots, bars, sheets, wire, scrap and alloys .. .. .	46	120	519
Sulphate .. .. .	1	—	—

(a) Information not available.



## IMPORTS OF COPPER, ETC.

*(Less Re-exports)**(Long tons)*

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc. . . . .	39,409	31,351	31,209
Bars, ingots, etc.—			
Electrolytic . . . . .	104,828	128,825	116,551
Other . . . . .	138,664	143,097	107,873
Scrap . . . . .	1,350	1,550	1,804
Plates, sheets, etc. . . . .	3,725	3,252	3,632
Rods . . . . .	23,025	12,243	17,483
Tubes . . . . .	1,847	2,373	2,509
Wire . . . . .	991	1,137	898
Sulphate . . . . .	29	56	50
Irish Free State—			
Bars, sheets, wire, etc. . . . .	809	1,518	1,719
Sulphate . . . . .	4,046	3,233	3,163
Kenya and Uganda—			
Sheets and wire . . . . .	26	19	18
Mauritius—			
Bars, sheets, scrap, etc. . . . .	25	21	116
Southern Rhodesia—			
Ingots, bars and rods . . . . .	5	8	37
South West Africa—			
Bars, sheets, pipes, wire, etc. . . . .	2	1	3
Tanganyika Territory—			
Sheets and wire . . . . .	80	94	167
Union of South Africa—			
Bars, ingots and slabs . . . . .	1,262	1,715	2,631
Plates, sheets and tubes . . . . .	796	962	919
Wire . . . . .	35	38	91
Canada—			
Blocks, pigs and ingots . . . . .	15	17	85
Bars, sheets, wire, etc. . . . .	599	644	785
Scrap . . . . .	12	7	3
Sulphate . . . . .	2,486	2,478	2,031
British West Indies (Barbados)—			
Bars and sheets . . . . .	(£760)	(£753)	(£694)
British India—			
Scrap . . . . .	43	299	119
Ingots, cakes, blocks, etc. . . . .	784	1,946	858
Sheets, tubes, wire, etc. . . . .	19,911	26,630	8,154
Sulphate . . . . .	1,398	1,694	1,676
Copper (government stores) . . . . .	522	1,572	1,037

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE (Cont.)</b>			
British Malaya (total imports)—			
Ingots, sheets, wire, etc. . . . .	507	553	798
Cyprus—			
Bars, sheets, etc. . . . .	47	46	38
Hong Kong (total imports)—			
Bars, sheets, tubes and wire . . . . .	515	660	475
Sulphate . . . . .	5	22	13
Australia—			
Blocks and ingots . . . . .	20	49	29
Bars, sheets, wire, etc. . . . .	1,591	1,693	1,155
New Zealand—			
Bars, sheets, pipes, etc. . . . .	634	1,107	1,073
Wire (£ N.Z.) . . . . .	(£98,657)	(£76,010)	(£130,102)
Sulphate . . . . .	48	60	45
<b>FOREIGN COUNTRIES</b>			
Albania—			
Bars and sheets . . . . .	31	43	59
Sulphate . . . . .	57	99	81
Austria—			
Ore . . . . .	6	220	—
Rough copper and scrap . . . . .	10,039	14,559	11,105
Bars, sheets, wire, etc. . . . .	79	78	83
Sulphate . . . . .	1	1	2
Belgium-Luxemburg E.U.—			
Ore . . . . .	5,564	6,469	5,736
Rough copper and scrap . . . . .	112,802	150,424	132,030
Bars, sheets, wire, etc. . . . .	2,393	3,337	2,720
Sulphate . . . . .	11	9	64
Bulgaria—			
Rough copper and scrap . . . . .	660	310	543
Bars, sheets and wire . . . . .	255	402	1,092
Sulphate . . . . .	3,420	5,203	3,279
Czechoslovakia—			
Ore . . . . .	—	—	99
Crude, refined and scrap . . . . .	19,617	24,063	30,633
Sheets, rods, wire, etc. . . . .	138	105	318
Denmark—			
Rough, scrap and alloys . . . . .	3,389	4,936	4,320
Bars, sheets, wire, etc. . . . .	5,252	4,800	5,900

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Ingots, sheets, tubes, etc. ..	164	299	263
Sulphate .. .. .	17	22	6
Finland (total imports)—			
Rough and scrap .. .. .	248	292	285
Bars, sheets, tubes and wire ..	3,617	4,376	4,506
Sulphate .. .. .	67	52	65
France—			
Ore, matte, etc. .. .. .	685	75	329
Ingots, alloys, etc. .. .. .	105,190	115,201	121,335
Scrap .. .. .	8,137	7,147	9,148
Bars, sheets and wire .. .. .	7,563	7,268	7,914
Sulphate .. .. .	26,288	23,189	25,141
Germany—			
Ore and burnt cupreous pyrites..	319,789	394,212	474,851
Rough copper and alloys .. .. .	177,400	150,943	125,534
Coin and scrap .. .. .	13,817	19,577	23,888
Bars, sheets, wire, etc. .. .. .	129	144	62
Sulphate, including ferrous sulphate .. .. .	1,963	445	608
Greece—			
Rough copper and alloys .. .. .	5	13	30
Sheets, tubes, alloys, etc. .. .. .	1,214	1,762	1,994
Sulphate .. .. .	3,518	6,425	4,700
Hungary—			
Rough copper and scrap .. .. .	8,400	7,990	9,996
Bars, sheets, wire, etc. .. .. .	152	166	252
Sulphate .. .. .	1,568	—	—
Iceland—			
Bars, tubes, wire, etc. .. .. .	123	(a)	(a)
Italy—			
Ore .. .. .	16	67	9
Ingots, scrap and alloys .. .. .	62,297	88,848	82,122
Bars, sheets, wire, etc., and alloys	2,431	2,708	2,439
Sulphate .. .. .	4,893	2,461	5
Latvia—			
Ingots, bars and scrap .. .. .	472	582	687
Sheets, tubes and wire .. .. .	329	314	201
Lithuania—			
Copper .. .. .	127	108	186

(a) Information not available.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ingots and bars .. .. .	5,275	5,273	4,953
Scrap .. .. .	51	96	139
Sheets, tubes and wire .. .. .	5,904	5,767	7,532
Sulphate .. .. .	2,368	3,199	4,196
Norway—			
Rough copper .. .. .	423	632	1,187
Copper-nickel matte .. .. .	8,374	8,878	9,078
Sheets, etc. .. .. .	729	820	926
Sulphate .. .. .	421	522	505
Poland—			
Precipitate and scrap .. .. .	362	633	432
Pigs, bars and ingots .. .. .	10,669	11,633	14,010
Sheets, tubes and wire .. .. .	183	116	181
Sulphate .. .. .	9	—	—
Portugal—			
Ingots, wire, alloys, etc. .. .. .	3,040	2,881	3,432
Sulphate .. .. .	293	115	158
Roumania—			
Rough and scrap .. .. .	3,946	4,391	(a)
Sheets and wire .. .. .	603	583	(a)
Sulphate .. .. .	2,656	28	(a)
Spain—			
Precipitate and scrap (b) .. .. .	3,658	9,886	(a)
Ingots (b) .. .. .	104	188	(a)
Sheets, tubes, wire, etc. (b) .. .. .	404	365	(a)
Sulphate .. .. .	891	363	(a)
Sweden—			
Ore .. .. .	2,380	1,511	623
Rough copper .. .. .	31,359	34,181	40,327
Scrap, including brass .. .. .	725	1,339	1,207
Sheets, rods, wire, etc. .. .. .	554	1,043	652
Sulphate .. .. .	234	300	324
Switzerland—			
Ore, filings and turnings .. .. .	2,141	1,735	1,464
Bars, ingots, etc. (b) .. .. .	14,579	14,725	12,137
Scrap (b) .. .. .	259	191	307
Sheets, tubes, wire, etc. (b) .. .. .	6,897	5,780	4,046
U.S.S.R. (Russia)—			
Ingots, etc. .. .. .	11,336	29,123	44,545
Sheets, wire, etc. .. .. .	39	2,587	906
Sulphate .. .. .	(a)	45	—

(a) Information not available.

(b) Including alloys.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Crude, scrap, coin, etc. .. ..	828	1,073	1,038
Bars, sheets, wire, etc. .. ..	915	997	1,240
Sulphate .. .. .	1,594	1,295	516
Algeria—			
Rough and scrap .. .. .	220	48	91
Bars, sheets, wire, etc. .. ..	918	1,215	1,052
Sulphate .. .. .	9,855	9,089	13,510
Belgian Congo—			
Bars, sheets and wire .. .. .	92	74	173
Cameroon (French)—			
Sulphate .. .. .	4	23	18
Canary Islands—			
Ingots, sheets, alloys, etc. ..	33	(a)	(a)
Sulphate .. .. .	119	(a)	(a)
Egypt—			
Crude and scrap .. .. .	(c) 254	(c) 52	223
Bars, sheets, tubes, etc. .. ..	3,299	3,473	3,669
Sulphate .. .. .	52	69	74
Madagascar—			
Crude, sheets, wire, etc. .. ..	82	56	92
Morocco—			
Bars, sheets and wire (b) .. ..	475	372	598
Sulphate .. .. .	244	228	275
Mozambique—			
Bars, sheets, wire and alloys ..	21	12	44
Tunis—			
Bars, ingots, scrap, etc. (b) ..	44	9	28
Sheets and wire (b) .. .. .	372	407	448
Sulphate .. .. .	471	668	750
Cuba (total imports)—			
Ingots and bars .. .. .	81	96	(a)
Sheets, tubes and wire .. .. .	374	462	(a)
Guatemala—			
Sulphate .. .. .	9	9	6
Mexico—			
Ingots .. .. .	551	724	1,157
Bars, sheets, alloys, etc. .. ..	252	669	855
Sulphate .. .. .	975	852	820
United States—			
<i>Cu content of—</i>			
Ore and concentrates .. .. .	15,574	28,532	37,539
Matte, precipitate, etc... ..	63,777	2,579	831

(a) Information not available.

(b) Including alloys.

(c) Total imports.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
<i>Cu content of—</i>			
Blister .. .. .	90,544	171,693	117,198
Refined .. .. .	8,222	11,952	10,872
Scrap .. .. .	57	—	673
Sulphate .. .. .	766	21	2
Argentina—			
Ingots, sheets and bronze ..	3,257	3,791	4,111
Sulphate .. .. .	1,008	1,266	1,901
Brazil (total imports)—			
Rough, scrap, alloys, etc. ..	4,462	792	563
Plates, sheets, alloys, etc. ..	2,021	9,206	8,049
Tubes, pipes, wire and alloys ..	523	617	528
Sulphate .. .. .	968	1,581	1,681
Chile—			
Bars, sheets and wire .. ..	85	172	342
Colombia—			
Ingots, sheets, alloys, etc. ..	230	368	340
Wire .. .. .	1,141	1,129	1,182
Sulphate .. .. .	28	(a)	45
Peru—			
Bars, sheets, etc. (b) .. ..	102	120	146
Sulphate .. .. .	18	103	186
Uruguay—			
Bars and sheets .. .. .	19	39	25
Venezuela—			
Unwrought .. .. .	17	33	(a)
Sulphate .. .. .	5	8	(a)
China—			
Ingots and blocks .. .. .	1,506	2,310	3,041
Bars, sheets, wire, etc. .. ..	2,675	4,521	2,920
Scrap .. .. .	51	95	39
Sulphate .. .. .	105	156	61
Formosa—			
Sheets, plates, wire, etc. .. ..	344	506	(a)
French Indo-China—			
Ingots, sheets, alloys, etc. ..	330	433	408
Scrap .. .. .	345	492	281
Sulphate .. .. .	4	10	11

(a) Information not available.

(b) Including brass and bronze.

## IMPORTS OF COPPER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Iran (Persia) (total imports) (b)—			
Ingots, bars, sheets and alloys ..	437	972	1,274
Iraq—			
Crude, sheets, pipes, etc. .. ..	590	852	518
Sulphate .. .. .	19	56	76
Japan (total imports)—			
Ingots and blocks .. .. .	46,248	64,230	47,039
Korea (total imports)—			
Ore .. .. .	(a)	179	31
Ingots .. .. .	95	131	193
Wire .. .. .	673	1,528	1,350
“Manchoukuo”—			
Ingots, slabs and scrap .. ..	539	283	329
Sheets, plates, wire, etc. .. ..	2,254	3,737	2,038
Netherlands East Indies—			
Crude, scrap and alloyed .. ..	41	141	80
Bars, sheets and alloyed .. ..	339	347	290
Tubes, wire and alloyed .. ..	1,190	1,913	2,579
Sulphate .. .. .	156	102	114
Philippine Islands—			
Ingots .. .. .	79	106	98
Sheets and wire .. .. .	438	245	453
Siam (total imports)—			
Rough copper .. .. .	72	242	122
Syria and Lebanon—			
Bars, sheets, tubes and wire ..	764	1,030	760
Turkey—			
Ingots, bars, sheets, wire, scrap and alloys .. .. .	2,196	3,351	3,016
Sulphate .. .. .	355	658	999

(a) Information not available.

(b) Years ended June 21.

## DIAMONDS

### PRODUCTION OF DIAMONDS

(Metric carats)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Gold Coast (exports)—			
Gem diamonds .. .. .	} 2,391,609	489,172	449,860
Bort .. .. .		656,656	725,539
Diamond sand .. .. .		(b) 204,019	239,278
Sierra Leone .. .. .	68,633	295,483	616,200
Southern Rhodesia .. .. .	12	—	11
South West Africa .. .. .	4,126	128,464	184,917
Tanganyika Territory .. .. .	1,155	1,446	2,704
Union of South Africa .. .. .	440,313	676,722	623,923
British Guiana .. .. .	46,008	47,785	41,067
India .. .. .	2,480	1,401	1,457
Australia .. .. .	49	—	650
Total ..	2,954,000	2,501,000	2,886,000
<b>FOREIGN COUNTRIES</b>			
Angola .. .. .	452,963	481,615	577,531
Belgian Congo .. .. .	1,450,203	3,169,090	4,634,266
French Equatorial Africa .. .. .	—	138	1,550
French West Africa .. .. .	—	—	5,500
Brazil (estimated) .. .. .	42,500	39,100	136,462
Netherlands East Indies .. .. .	1,069	4,219	773
Total ..	1,950,000	3,690,000	5,360,000
WORLD'S TOTAL ..	4,900,000	6,190,000	8,240,000

(b) Includes accumulated stocks of bort and diamond sand exported during 1934.



## PRODUCTION OF DIAMONDS

(£ sterling)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Gold Coast (exports)—			
Gem diamonds .. ..	} (b)756,816	390,454	380,243
Bort .. ..		92,545	122,939
Diamond sand .. ..		63,095	81,815
Sierra Leone .. ..	137,266	402,067	725,272
Southern Rhodesia .. ..	20	—	70
South West Africa (c) .. ..	7,014	546,614	918,113
Tanganyika Territory .. ..	5,967	3,012	6,252
Union of South Africa .. ..	1,437,591	2,171,267	2,125,216
British Guiana .. ..	101,592	111,558	95,707
India .. ..	9,211	4,201	(a)
Australia .. ..	52	—	650
Total .. ..	2,456,000	3,785,000	4,460,000
<b>FOREIGN COUNTRIES</b>			
Angola (d) .. ..	598,000	626,000	786,000
Belgian Congo .. ..	349,280	(d)500,000	712,000
French Equatorial Africa .. ..	—	40	(a)
French West Africa .. ..	—	—	2,700
Brazil (estimated) .. ..	470,000	290,000	204,527
Netherlands East Indies .. ..	2,658	9,047	(a)
Total .. ..	1,420,000	1,420,000	1,710,000
<b>WORLD'S TOTAL</b>	<b>3,880,000</b>	<b>5,210,000</b>	<b>6,170,000</b>

(a) Information not available.

(b) Includes accumulated stocks of bort and diamond sand exported during 1934.

(c) Estimated on sales value.

(d) Estimated on export value.

EXPORTS OF DIAMONDS  
(Domestic Produce)

Exporting Country and Description.	Unit	1934	1935	1936
<b>BRITISH EMPIRE</b>				
Gold Coast—				
Gem diamonds .. ..	Carat	} 2,391,609	489,172	449,860
	£		390,454	380,243
Bort .. ..	Carat	} 756,816	656,656	725,539
	£		92,545	122,939
Diamond sand .. ..	Carat	} (b)	204,019	239,278
	£		63,095	81,815
Sierra Leone .. ..	Carat	66,746	295,483	616,200
	£	144,861	402,067	(c) 725,272
South West Africa (uncut)	Carat	4,128	128,443	184,852
	£	24,873	587,857	895,510
Tanganyika Territory ..	Carat	1,154	1,414	2,704
	£	4,608	2,972	6,252
Union of South Africa—				
Uncut .. ..	Carat	1,200,108	2,416,574	1,002,603
	£	1,917,618	2,090,941	2,509,114
Cut and polished .. ..	Carat	43,477	38,930	35,372
	£	897,763	884,584	804,387
British Guiana .. ..	Carat	45,600	44,331	43,605
	£	100,204	103,399	101,083
<b>FOREIGN COUNTRIES</b>				
Belgium-Luxemburg E.U.—				
Precious stones, chiefly diamonds .. ..	£	2,263,000	2,082,000	2,719,000
do. cut and polished	£	4,996,000	6,157,000	9,341,000
Czechoslovakia—				
Glaziers' diamonds ..	£	590	816	940
France—				
Cut and polished ..	£	1,540,000	1,100,000	970,000
Netherlands—				
Unpolished .. ..	£	376,000	903,000	2,100,000
Polished .. ..	£	1,657,000	2,203,000	2,700,000
U.S.S.R. (Russia)—				
Uncut .. ..	Carat	25,000	25,000	30,000
	£	103,000	154,000	166,000
Cut .. ..	Carat	15,000	15,000	—
	£	14,000	11,000	1,000
Angola .. ..	Carat	446,496	471,134	558,719
	£	580,000	640,000	760,000

(b) Includes accumulated stocks of bort and diamond sand exported during 1934.

(c) Of which Bort £38,173.

EXPORTS OF DIAMONDS (*Cont.*)

Exporting Country and Description.	Unit	1934	1935	1936
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>				
Belgian Congo— Precious stones, chiefly diamonds .. ..	Carat	2,007,727	4,312,441	4,612,860
	£	391,000	681,000	709,000
French Equatorial Africa	Carat	—	138	1,550
	£	—	40	(a)
French West Africa ..	Carat	—	—	5,500
	£	—	—	2,700
Brazil (b)—				
Diamonds (c) .. ..	£	3,600	3,800	5,200
Carbons .. ..	£	1,300	2,700	800

(a) Information not available.

(b) The actual exports are probably very much in excess of those officially recorded.

(c) Not including low-grade diamonds and bort.

IMPORTS OF DIAMONDS  
(Less Re-exports)

Importing Country and Description.	Unit	1934	1935	1936
<b>BRITISH EMPIRE</b>				
United Kingdom .. ..	Carat	(b)3,342,105	3,903,039	3,001,335
	£	(b)2,287,422	3,000,946	4,166,191
Union of South Africa— Cut and polished .. ..	Carat	456	232	407
	£	2,674	1,903	2,562
Canada—				
Unset .. ..	£	108,995	163,711	202,662
Dust, bort, etc. .. ..	£	279,304	324,171	488,534
British Guiana .. ..	Carat	26	3	27
	£	51	6	53
British India .. ..	£	322,727	176,622	568,116
Ceylon .. ..	Carat	26,926	4,543	2,470
	£	19,324	29,971	22,921
<b>FOREIGN COUNTRIES</b>				
Belgium-Luxemburg E.U.— Precious stones, chiefly diamonds .. ..	£	3,454,000	4,220,000	6,218,000
do. cut and polished	£	804,000	836,000	684,000
Czechoslovakia— Glaziers' diamonds .. ..	£	76	68	140
France— Cut and polished .. ..	£	1,370,000	1,900,000	1,680,000
Netherlands— Unpolished .. ..	£	945,000	1,660,000	3,000,000
Polished .. ..	£	468,000	792,000	1,000,000
U.S.S.R. (Russia)— Uncut .. ..	Carat	20,000	25,000	30,000
	£	102,000	154,000	187,000
Egypt— Cut .. ..	Carat	2,668	3,444	7,089
	£	2,891	4,233	6,921
United States— Uncut .. ..	Carat	38,636	79,695	97,677
	£	532,000	869,000	1,245,000
Cut and polished .. ..	Carat	208,296	330,617	445,610
	£	1,961,000	3,169,000	4,571,000
Glaziers' diamonds .. ..	Carat	526,007	954,589	1,166,094
	£	567,000	876,000	871,000
Dust and bort .. ..	£	13,700	20,000	16,500

(b) Includes accumulated stocks of bort and diamond sand imported from the Gold Coast.

IMPORTS OF DIAMONDS (*Cont.*)

Importing Country and Description.	Unit	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )				
Peru—				
Glaziers' diamonds ..	£	14	33	32
Netherlands East Indies ( <i>b</i> )—				
Uncut .. .. .	£	1,400	4	1,100
Cut and polished .. ..	£	7,100	3,300	12,300
Philippine Islands .. ..	Carat	7,200	6,658	16,021
	£	24,000	23,000	77,000

(*b*) Imported by parcel post and passengers.

## DIATOMACEOUS EARTH

### PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Great Britain .. .. .	—	—	1,086
Northern Ireland .. .. .	5,269	4,893	7,466
Canada .. .. .	1,225	735	549
Barbados .. .. .	2	10	10
Australia .. .. .	3,355	3,106	2,778
Union of South Africa .. .. .	—	169	96
FOREIGN COUNTRIES			
Bulgaria .. .. .	—	—	62
Denmark (moler) .. .. .	40,000	47,200	61,000
Finland .. .. .	626	984	1,378
France .. .. .	6,900	7,150	(a)
Germany (d) .. .. .	4,255	5,827	6,112
Hungary (exports) .. .. .	1,411	1,376	1,197
Italy .. .. .	2,264	3,007	3,701
Norway (exports) .. .. .	84	140	229
Portugal .. .. .	228	4,413	64
Roumania (c) .. .. .	512	(a)	(a)
Spain (estimated) .. .. .	2,200	(a)	(a)
Sweden .. .. .	1,102	1,207	1,095
Algeria .. .. .	9,772	11,200	11,922
United States .. .. .	(b) 72,721	(b) 72,721	(a)
Japan .. .. .	13,300	(a)	(a)
Korea .. .. .	2,850	3,440	(a)
Netherlands East Indies .. .. .	95	88	124

Diatomaceous earth is also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) Annual average production for years 1933 to 1935.

(c) Converted from cubic metres at the rate of 1 cubic metre=2 long tons.

(d) Production of Hessen only.

## EXPORTS OF DIATOMACEOUS EARTH

*(Domestic Produce)*

(Long tons)

Exporting Country.	1934	1935	1936
BRITISH EMPIRE			
Canada (including other natural abrasives) .. .. .	1,180	497	431
FOREIGN COUNTRIES			
Denmark—			
Moler .. .. .	27,413	34,565	44,860
Moler bricks .. .. .	5,751	5,884	7,997
France.. .. .	1,052	785	923
Germany .. .. .	3,969	3,622	2,882
Hungary (including other earths) ..	1,411	1,376	1,197
Italy—			
Crude .. .. .	83	56	76
Calcined, etc. .. .. .	3	—	26
Norway—			
Calcined, etc. .. .. .	84	140	229
Spain (estimated) .. .. .	2,200	(a)	(a)
U.S.S.R. (Russia) .. .. .	1,306	1,269	13
Algeria .. .. .	10,474	10,591	11,065
Chile .. .. .	3	12	40

(a) Information not available.

## IMPORTS OF DIATOMACEOUS EARTH

*(Less Re-exports)**(Long tons)*

Importing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	27,394	36,814	39,515
Union of South Africa .. .. .	151	176	422
Canada .. .. .	1,990	2,252	2,433
FOREIGN COUNTRIES			
Denmark .. .. .	214	184	188
Estonia .. .. .	28	18	133
Finland (total imports) .. .. .	60	86	59
France.. .. .	5,442	5,717	5,877
Germany .. .. .	14,007	12,617	20,592
Hungary (including other earths) ..	827	756	780
Italy—			
Crude .. .. .	406	526	217
Calcined, etc. .. .. .	94	146	36
Latvia .. .. .	2	—	1
Norway .. .. .	1,182	554	387
Portugal .. .. .	189	209	228
Yugoslavia .. .. .	359	364	381
Algeria .. .. .	30	53	47
Egypt .. .. .	86	97	147
Tunis .. .. .	8	33	22
Cuba (total imports) .. .. .	1,223	961	(a)
Mexico .. .. .	664	485	1,842
Panama .. .. .	15	(a)	(a)
Peru .. .. .	1,872	2,016	2,267

(a) Information not available.



## FELSPAR

### PRODUCTION OF FELSPAR

(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
China stone .. .. .	47,993	57,160	66,509
Canada (sales) .. .. .	16,341	15,841	15,934
India .. .. .	628	702	785
Australia (including china stone) ..	2,902	3,163	3,691
<b>FOREIGN COUNTRIES</b>			
Czechoslovakia (estimated) .. .. .	30,000	30,000	30,000
Finland (exports) .. .. .	3,276	2,038	2,480
Germany (Bavaria only) .. .. .	6,700	5,860	7,864
Italy .. .. .	7,516	7,496	8,484
Norway .. .. .	25,194	22,370	(a)
Roumania (b) .. .. .	1,010	(a)	(a)
Sweden .. .. .	33,924	47,869	55,902
U.S.S.R. (Russia) .. .. .	21,788	23,844	(a)
Egypt .. .. .	—	71	44
United States (sales) .. .. .	154,188	189,550	244,726
Argentina .. .. .	424	487	(a)
“Manchoukuo” .. .. .	5,000	(a)	(a)
China .. .. .	22,420	(a)	(a)

(a) Information not available.

(b) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.

EXPORTS OF FELSPAR  
(Domestic Produce)  
(Long tons)

Exporting Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom (b) .. .. .	7,439	9,980	8,911
Canada .. .. .	9,404	8,892	12,619
FOREIGN COUNTRIES			
Austria .. .. .	239	206	414
Belgium-Luxemburg E.U. .. .. .	1,838	924	1,796
Czechoslovakia .. .. .	7,596	5,729	5,466
Finland .. .. .	3,276	2,038	2,480
Germany .. .. .	20,314	19,022	16,982
Netherlands .. .. .	1,561	4,153	3,947
Norway—			
Crude .. .. .	14,840	15,520	19,229
Ground .. .. .	6,949	8,326	10,283
Sweden .. .. .	33,227	41,295	45,842
U.S.S.R. (Russia) .. .. .	1,729	—	—

(b) Including china stone.

IMPORTS OF FELSPAR  
(Less Re-exports)  
(Long tons)

Importing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom (b) .. .. .	16,884	24,903	27,045
Canada .. .. .	928	543	662
FOREIGN COUNTRIES			
Austria .. .. .	734	561	518
Belgium-Luxemburg E.U. .. .. .	6,576	7,621	10,286
Czechoslovakia .. .. .	964	1,125	1,206
Denmark .. .. .	981	1,004	1,551
Finland (total imports) .. .. .	303	593	74
Germany .. .. .	33,573	29,944	34,277
Latvia .. .. .	—	106	81
Netherlands .. .. .	2,376	9,749	8,706
Sweden .. .. .	895	760	604
Mexico .. .. .	416	(a)	438
United States .. .. .	9,744	8,938	10,904

(a) Information not available.

(b) Including china stone.

## FLUORSPAR

### PRODUCTION OF FLUORSPAR

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	34,216	31,146	32,962
Union of South Africa .. .. .	1,371	1,949	3,074
Canada .. .. .	134	67	67
Australia .. .. .	1,737	685	816
Newfoundland (c) .. .. .	2,400	2,930	5,214
FOREIGN COUNTRIES			
France.. .. .	13,900	22,400	(a)
Germany—			
Anhalt .. .. .	7,241	7,941	11,048
Baden .. .. .	6,424	3,879	7,242
Bavaria .. .. .	29,193	30,783	48,377
Prussia .. .. .	21,215	24,229	35,698
Saxony .. .. .	6,424	6,828	7,864
Thuringia .. .. .	(a)	23,200	18,495
Italy .. .. .	9,515	8,291	11,256
Norway .. .. .	662	1,050	(a)
Spain (b) .. .. .	5,400	(a)	(a)
U.S.S.R. (Russia) .. .. .	26,600	48,300	(a)
Mexico (estimated) .. .. .	1,000	1,000	1,000
United States.. .. .	78,000	91,000	150,000
Argentina .. .. .	306	397	(a)
China .. .. .	5,000	(a)	(a)
Korea .. .. .	11,908	9,568	(a)

(a) Information not available.

(b) In addition 270 cubic metres were produced from quarries during 1934.

(c) Exports for years ended June 30.

EXPORTS OF FLUORSPAR  
(Domestic Produce)  
(Long tons)

Exporting Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	4,528	5,006	2,736
Union of South Africa .. ..	809	1,102	700
Newfoundland (years ended June 30)	2,400	2,930	5,214
FOREIGN COUNTRIES			
Austria .. .. .	7	16	—
Belgium-Luxemburg E.U. .. ..	384	198	402
Germany .. .. .	31,254	30,929	39,291
Norway .. .. .	94	180	282

IMPORTS OF FLUORSPAR  
(Less Re-exports)  
(Long tons)

Importing Country.	1934	1935	1936
BRITISH EMPIRE			
Canada .. .. .	6,446	10,349	9,995
FOREIGN COUNTRIES			
Austria .. .. .	3,585	3,617	4,754
Belgium-Luxemburg E.U. .. ..	2,312	2,206	3,007
Denmark .. .. .	1,136	1,045	1,098
Germany .. .. .	16	37	1
Latvia .. .. .	69	34	30
Norway .. .. .	721	689	970
Yugoslavia .. .. .	299	740	411
United States .. .. .	14,915	14,590	22,772

## FULLER'S EARTH

### PRODUCTION OF FULLER'S EARTH (Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	Not available	Not available	Not available
India .. .. .	8,526	7,644	6,649
Australia .. .. .	72	33	—
FOREIGN COUNTRIES			
United States (sales) .. ..	196,664	203,344	206,084
Turkey .. .. .	6,257	5,370	5,668

### EXPORTS OF FULLER'S EARTH.

Statistics of exports of fuller's earth are not separately recorded in official trade returns; exports from the United States, as recorded by producers, were: 1934, 6,018 long tons; 1935, 7,286 long tons; 1936, 5,466 long tons.

### IMPORTS OF FULLER'S EARTH (Less Re-exports) (Long tons)

Importing Country.	1934	1935	1936
BRITISH EMPIRE			
Union of South Africa .. ..	168	236	193
Canada .. .. .	(£8,832)	(£11,294)	(£8,966)
Ceylon .. .. .	42	23	14
Australia .. .. .	303	306	426
FOREIGN COUNTRIES			
U.S.S.R. (Russia) .. .. .	447	1,965	814
United States—			
Crude .. .. .	30	122	63
Prepared .. .. .	3,820	2,498	2,377
Philippine Islands .. .. .	1,614	2,249	1,754

## GOLD

### PRODUCTION OF GOLD ORE

(In terms of metal)

(Fine troy ounces)

Producing Country	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	51	148	1
Anglo-Egyptian Sudan .. .. .	5,398	8,551	7,659
Bechuanaland Protectorate .. .. .	9,485	11,418	16,748
Gold Coast .. .. .	326,040	358,835	428,144
Kenya .. .. .	12,110	23,009	38,463
Nigeria .. .. .	37,023	38,962	33,364
Northern Rhodesia .. .. .	2,113	1,647	4,452
Southern Rhodesia .. .. .	691,152	726,281	797,061
Sierra Leone .. .. .	21,205	30,753	37,966
South West Africa .. .. .	908	3,206	4,065
Swaziland .. .. .	379	314	276
Tanganyika Territory .. .. .	42,606	52,182	69,800
Uganda .. .. .	5,842	5,651	13,231
Union of South Africa .. .. .	10,479,857	10,773,991	11,336,214
Canada .. .. .	2,972,074	3,284,890	3,748,028
Newfoundland .. .. .	11,219	12,728	16,114
British Guiana .. .. .	25,420	30,488	32,234
Cyprus .. .. .	13,092	(c) 6,872	(c) 20,991
Federated Malay States .. .. .	30,221	29,771	37,779
Unfederated Malay States .. .. .	1,197	276	761
India .. .. .	322,100	327,600	333,300
Sarawak .. .. .	28,842	28,549	23,372
Australia .. .. .	886,609	917,262	1,175,066
Fiji .. .. .	931	6,728	16,955
New Guinea .. .. .	190,000	194,000	226,000
New Zealand .. .. .	160,248	165,277	164,575
Papua .. .. .	12,591	17,012	20,719
Total .. .. .	16,290,000	17,060,000	18,600,000
<b>FOREIGN COUNTRIES</b>			
Bulgaria .. .. .	14	17	(a)
Czechoslovakia .. .. .	11,990	14,334	11,013
Finland .. .. .	(a)	(a)	4,983

(a) Information not available.

(c) Exports.

PRODUCTION OF GOLD ORE (*Cont.*)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
France.. .. .	101,498	91,595	( <i>d</i> ) 100,000
Germany .. .. .	5,769	5,957	( <i>a</i> )
Hungary .. .. .	2,167	2,070	( <i>a</i> )
Italy .. .. .	3,396	4,000	8,900
Norway .. .. .	129	231	42
Portugal .. .. .	—	—	3,282
Roumania .. .. .	111,496	112,840	150,169
Spain .. .. .	7,596	3,800	( <i>a</i> )
Sweden .. .. .	246,687	180,554	158,339
U.S.S.R. (Russia) ( <i>b</i> )	3,800,000	4,500,000	5,500,000
Yugoslavia .. .. .	74,106	78,607	84,876
Belgian Congo .. .. .	329,441	376,163	402,486
Cameroon (French) .. .. .	450	2,829	11,027
Egypt .. .. .	201	58	278
Eritrea .. .. .	8,000	5,000	( <i>a</i> )
French Equatorial Africa ..	29,160	29,657	22,100
French West Africa (exports)	97,706	125,671	114,416
Madagascar .. .. .	15,979	15,464	15,200
Morocco (French) .. .. .	—	780	1,500
Mozambique .. .. .	10,196	7,579	16,711
Costa Rica .. .. .	25,997	21,662	32,500
Dominican Republic.. .. .	5,312	7,553	8,901
Guatemala .. .. .	7,500	4,214	1,824
Honduras .. .. .	12,996	12,274	17,982
Nicaragua .. .. .	( <i>c</i> ) 18,362	24,789	23,123
Panama .. .. .	15,053	5,198	9,189
Porto Rico .. .. .	57	63	482
Salvador .. .. .	6,824	8,129	8,928
Mexico .. .. .	661,390	682,319	753,950
United States .. .. .	2,778,789	3,236,951	3,768,062
Argentina (estimated) .. .. .	1,000	1,000	1,000
Bolivia (exports) .. .. .	112	—	10
Brazil .. .. .	110,900	119,084	125,402
Chile .. .. .	237,656	265,938	257,171
Colombia .. .. .	344,310	328,991	389,495
Dutch Guiana ( <i>crude</i> ) .. .. .	11,887	11,340	14,258
Ecuador .. .. .	72,569	102,296	70,124
French Guiana (exports) .. .. .	45,524	47,421	45,557
Peru .. .. .	98,850	110,959	( <i>d</i> ) 120,000

(*a*) Information not available.

(*b*) Approximate figures only. It is not possible to form any reliable estimate from the data given in Russian publications.

(*c*) Imports into the United States from the country indicated.

(*d*) Estimated.

## PRODUCTION OF GOLD ORE (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Venezuela .. .. .	109,055	112,390	109,994
China .. .. .	105,591	(a)	(a)
Formosa (estimated) ..	84,000	85,000	85,000
French Indo-China .. ..	7,105	8,552	9,025
Japan .. .. .	486,963	589,030	657,135
Korea .. .. .	420,000	540,000	620,000
" Manchoukuo " .. ..	46,767	(a)	(a)
Netherlands East Indies ..	71,039	68,232	71,300
Philippine Islands .. ..	340,314	451,818	599,657
TOTAL ..	11,000,000	12,500,000	14,600,000
WORLD'S TOTAL ..	27,300,000	29,600,000	33,200,000

(a) Information not available.



EXPORTS OF GOLD  
(In terms of metal)  
(Fine troy ounces)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Bullion—			
Unrefined .. .. .	1,690,000	1,806,000	2,021,000
Refined .. .. .	15,703,000	20,587,000	9,399,000
Coin .. .. .	1,760,000	2,593,000	1,184,000
Anglo-Egyptian Sudan—			
Bullion .. .. .	17,300	12,100	9,400
Gold Coast—			
Bullion .. .. .	351,000	371,000	434,000
Kenya and Uganda—			
Bullion .. .. .	22,000	34,000	60,000
Coin .. .. .	200	200	—
Nigeria—			
Bullion .. .. .	34,000	39,000	35,000
Northern Rhodesia—			
Bullion .. .. .	1,500	1,400	3,300
Nyasaland—			
Bullion .. .. .	80	130	30
Sierra Leone—			
Bullion .. .. .	20,000	32,000	36,500
Southern Rhodesia—			
Concentrates, etc. .. .. .	100	700	2,100
Bullion .. .. .	700,300	724,900	807,000
Coin .. .. .	2,100	900	—
South West Africa—			
Bullion .. .. .	1,200	2,700	4,000
Tanganyika Territory—			
Bullion .. .. .	43,000	52,000	69,800
Union of South Africa—			
Ore and concentrates .. .. .	7,500	5,600	6,700
Bullion .. .. .	8,146,000	10,073,000	11,674,000
Coin .. .. .	8,000	8,000	126,800
Zanzibar—			
Bullion .. .. .	2,900	700	300
Coin .. .. .	300	1	—
Canada—			
Ore, etc. .. .. .	117,000	129,000	173,000
Bullion .. .. .	3,045,000	2,746,000	2,039,000
Coin .. .. .	2,000	274,000	136,000
British West Indies—			
Bahamas—			
Coin .. .. .	1,100	100	400
St. Lucia—			
Bullion .. .. .	23	25	270

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>			
British West Indies—( <i>cont.</i> )			
Trinidad and Tobago—			
Bullion .. .. .	900	1,000	2,000
Coin .. .. .	400	600	700
Jamaica—			
Bullion .. .. .	2,400	1,300	800
Coin .. .. .	3,500	300	700
British Guiana—			
Bullion .. .. .	26,400	31,300	32,800
Coin .. .. .	50	250	30
British Borneo (Sarawak)—			
Bullion .. .. .	28,000	27,000	22,000
British India—			
Bullion .. .. .	6,752,000	4,639,000	3,602,000
Coin .. .. .	51,000	93,000	7,000
British Malaya—			
Bullion .. .. .	209,000	161,000	112,000
Coin .. .. .	4,000	2,000	31,000
Ceylon—			
Bullion .. .. .	—	—	1,200
Cyprus—			
Ores and concentrates .. .. .	19,008	6,872	20,991
Bullion .. .. .	700	200	165
Hong Kong—			
Bullion .. .. .	769,000	387,000	300,000
Coin .. .. .	6,000	500	7,000
Palestine—			
Bullion and coin .. .. .	127,000	67,000	36,000
Australia—			
Ores, etc. ( <i>b</i> ) .. .. .	31,000	34,300	33,100
Bullion .. .. .	1,165,000	1,133,500	1,380,000
Coin .. .. .	30,600	68,700	22,500
Fiji—			
Bullion .. .. .	1,000	7,000	17,000
New Guinea (years ended June 30)—			
Bullion .. .. .	160,000	220,000	200,000
New Zealand—			
Concentrates, sweepings, etc.	8,600	3,900	3,100
Bullion .. .. .	149,400	160,400	157,800
Coin .. .. .	255,100	37,800	—
Papua (years ended June 30)—			
Ore and concentrates .. .. .	140	140	90
Bullion .. .. .	7,000	8,600	10,100

(*b*) Years ended June 30.

## EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	20,000	16,000	7,500
Coin .. .. .	36,000	11,000	46,000
Beaten, rolled or drawn ..	130	800	500
Belgium-Luxemburg E.U.—			
Bullion .. .. .	230,000	80,000	80,000
Czechoslovakia—			
Bullion .. .. .	6,200	579,000	4,500
Coin .. .. .	300	35,000	8,500
France—			
Bullion and scrap .. ..	22,500,000	45,700,000	(a)
Coin .. .. .	1,500,000	1,500,000	(a)
Beaten, rolled or drawn ..	6,000	8,000	12,000
Germany—			
Bullion .. .. .	5,400,000	390,000	1,100,000
Coin .. .. .	58,000	20,000	300
Beaten or rolled .. ..	19,000	21,000	17,000
Greece—			
Bullion and coin .. ..	150	—	—
Hungary—			
Bullion .. .. .	200	100	—
Coin .. .. .	200	500	—
Italy—			
Bullion and scrap .. ..	41,000	9,000	5,000
Coin .. .. .	416,000	80	—
Beaten, rolled or drawn ..	2,400	600	500
Netherlands—			
Bullion .. .. .	5,600,000	(b) 6,200,000	(a)
Coin .. .. .	430,000	(b) 3,600,000	(a)
Norway—			
Bullion .. .. .	—	200	—
Coin .. .. .	32,000	86,000	4,000
Poland—			
Bullion .. .. .	500	492,000	235,000
Coin .. .. .	22,000	204,000	16,000
Spain—			
Bullion .. .. .	6,100	9,600	(a)
Coin .. .. .	—	13,800	(a)
Sweden—			
Bullion .. .. .	3,400	4,100	4,500
Coin .. .. .	50,000	140,000	5,000

(a) Information not available.

(b) Excluding exports by post, which were 530,000 fine troy ounces of bullion and coin.

## EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Bullion .. .. .	4,000,000	9,600,000	3,000,000
Coin .. .. .	900,000	—	—
U.S.S.R. (Russia) .. ..	(b)	(b)	(b)
Belgian Congo—			
Bullion .. .. .	310,000	300,000	350,000
Cameroon (French)—			
Bullion .. .. .	420	2,000	5,000
Egypt—			
Bullion .. .. .	600	142,000	70
Coin .. .. .	130	180	1,000
French Equatorial Africa—			
Bullion .. .. .	24,000	23,000	16,000
French West Africa—			
Bullion .. .. .	99,000	125,000	114,000
Madagascar—			
Bullion .. .. .	13,000	13,000	11,000
Morocco (French)—			
Coin .. .. .	—	—	50,000
Mozambique—			
Coin .. .. .	13,000	3,000	—
Costa Rica—			
Bullion .. .. .	18,000	13,000	12,600
Coin .. .. .	—	1,600	100
Cuba—			
Bullion .. .. .	7,000	2,000	(a)
Dominican Republic—			
Bullion .. .. .	11,000	9,200	10,800
Honduras (years ended July 31)—			
Bullion, etc. .. ..	(a)	13,000	27,000
Mexico—			
Bullion .. .. .	897,000	264,000	1,043,000
Coin .. .. .	200,000	91,000	—
Guatemala—			
Bullion, etc. .. ..	5,000	3,500	4,000
Nicaragua—			
Bullion, etc. .. ..	14,000	5,000	—
Concentrates .. ..	6,000	11,000	23,000
Panama—			
Concentrates .. ..	14,000	(a)	(a)
Bullion, etc. .. ..	9,500	(a)	(a)

(a) Information not available.

(b) Exports of gold are not recorded in the trade returns of the U.S.S.R. (Russia).

## EXPORTS OF GOLD (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States—			
Ore and base bullion ..	14,000	28,000	24,000
Refined bullion .. ..	1,500,000	27,000	760,000
Coin .. .. .	1,000	1,400	—
Argentina—			
Bullion and coin .. ..	130,000	170,000	27,900
Bolivia—			
Ore .. .. .	112	—	10
Chile—			
Ore, excluding mixed ores	63,000	93,000	65,000
Bullion .. .. .	8,000	34,000	67,000
Coin .. .. .	42,000	—	—
Colombia—			
Bullion .. .. .	506,000	311,000	340,000
Dutch Guiana—			
Bullion .. .. .	10,000	10,800	13,000
French Guiana—			
Bullion .. .. .	46,000	47,000	46,000
Peru—			
Ores, concentrates, etc. ..	32,000	39,000	36,000
Bullion, etc. .. .. .	78,000	30,000	91,000
Coin .. .. .	10,000	—	—
Venezuela—			
Alluvial .. .. .	15,000	12,000	(a)
Bullion .. .. .	90,000	90,000	(a)
China—			
Bullion .. .. .	500,000	400,000	370,000
French Indo-China—			
Bullion .. .. .	33,000	16,000	44,000
Iraq—			
Bullion, etc. .. .. .	42,000	21,000	16,000
Coin .. .. .	37,000	21,000	11,000
Korea—			
Ore .. .. .	21,000	54,000	78,000
Bullion .. .. .	270,000	280,000	430,000
Netherlands East Indies—			
Bullion and scrap .. ..	67,000	70,000	60,000
Coin .. .. .	2,000	36,000	3,000
Philippine Islands—			
Ore .. .. .	600	6,400	28,000
Bullion .. .. .	170,000	210,000	300,000
Siam—			
Bullion .. .. .	180,000	95,000	70,000
Syria and Lebanon—			
Coin .. .. .	—	—	5,000

(a) Information not available.

IMPORTS OF GOLD  
(In terms of metal)  
(Fine troy ounces)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore, etc. .. .. .	57,000	44,000	30,000
Bullion—			
Unrefined .. .. .	7,389,000	6,639,000	5,514,000
Refined .. .. .	29,011,000	25,365,000	38,678,000
Coin .. .. .	2,130,000	2,935,000	1,722,000
Malta—			
Bullion .. .. .	3	—	5
Coin .. .. .	—	40	300
Anglo-Egyptian Sudan—			
Bullion .. .. .	—	10	2,200
Coin .. .. .	20	120	3
Kenya and Uganda—			
Bullion .. .. .	4,400	3,800	5,700
Coin .. .. .	—	—	400
Southern Rhodesia—			
Bullion .. .. .	11,400	8,600	10,000
Coin .. .. .	1,500	7,900	5,900
Tanganyika Territory—			
Bullion .. .. .	—	—	80
Union of South Africa—			
Bullion .. .. .	6,000	24,200	9,800
Coin .. .. .	4,000	2,000	1,700
Zanzibar—			
Bullion .. .. .	100	—	—
Coin .. .. .	86	—	300
Canada—			
Bullion, etc. .. .. .	6,000	15,000	5,000
British West Indies—			
Jamaica—			
Bullion .. .. .	—	—	40
Trinidad and Tobago—			
Coin .. .. .	11	83	24
British Guiana—			
Bullion .. .. .	40	60	70
British India—			
Bullion .. .. .	177,000	74,000	69,000
Coin .. .. .	22,000	50,000	68,000
British Malaya—			
Bullion .. .. .	101,000	108,000	60,000
Coin .. .. .	4,000	21,000	14,000

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
Hong Kong—			
Bullion .. .. .	151,000	49,000	33,000
Palestine—			
Bullion and coin .. .. .	40,700	75,300	23,000
Australia—			
Ore, matte, etc. ( <i>b</i> ) .. .. .	50	30	20
Bullion, etc. .. .. .	212,500	236,700	255,700
Coin .. .. .	70	180	10
New Zealand—			
Bullion, etc. .. .. .	200	200	300
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	71,000	61,000	52,000
Coin .. .. .	13,000	150	38,000
Beaten, rolled or drawn .. .. .	450	300	200
Belgium-Luxemburg E.U.—			
Bullion, etc. .. .. .	410,000	350,000	390,000
Bulgaria—			
Bullion, etc. .. .. .	—	—	10,000
Czechoslovakia—			
Bullion .. .. .	40,500	27,000	18,000
Coin .. .. .	60	400	100
Denmark—			
Bullion, etc. .. .. .	6,000	7,000	8,000
Finland—			
Bullion .. .. .	900	7,000	98,000
Sheet and wire .. .. .	450	400	600
France—			
Bullion and scrap .. .. .	11,000,000	18,000,000	( <i>a</i> )
Coin .. .. .	1,800,000	6,000,000	( <i>a</i> )
Beaten, rolled or drawn .. .. .	5,000	6,000	9,000
Germany—			
Ore .. .. .	50,000	20,000	50,000
Scrap .. .. .	200,000	80,000	15,000
Bullion .. .. .	2,600,000	1,500,000	1,000,000
Coin .. .. .	75,000	55,000	22,000
Beaten or rolled .. .. .	60	100	70
Greece—			
Bullion and coin .. .. .	600	400	30

(*a*) Information not available.

(*b*) Years ended June 30.

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Hungary—			
Bullion .. .. .	2,600	1,900	1,900
Coin .. .. .	1,300	—	60
Italy—			
Bullion and scrap .. ..	160,000	80,000	70,000
Coin .. .. .	9,500	2,300	6,500
Beaten, rolled or drawn ..	1,500	600	20
Latvia—			
Bullion, etc. .. ..	400	500	1,000
Lithuania—			
Bullion .. .. .	300	700	—
Coin .. .. .	900	6,900	—
Netherlands—			
Bullion .. .. .	2,800,000	4,300,000	(a)
Coin .. .. .	350,000	560,000	(a)
Norway—			
Bullion .. .. .	33,000	450,000	5,000
Sheets and rolled .. ..	2,400	2,600	2,900
Poland—			
Bullion .. .. .	207,000	22,000	2,700
Coin .. .. .	70,000	360,000	140,000
Portugal—			
Bullion .. .. .	195,000	—	—
Roumania—			
Bullion, etc. .. ..	17	6	(a)
Spain—			
Bullion .. .. .	—	750	(a)
Coin .. .. .	—	1,560	(a)
Sweden—			
Bullion .. .. .	3,000	1,450,000	295,000
Coin .. .. .	10	900	1,700
Switzerland—			
Bullion .. .. .	2,800,000	3,000,000	6,700,000
Coin .. .. .	760,000	—	—
Yugoslavia—			
Bullion .. .. .	55,000	63,000	61,000
Coin .. .. .	4,000	70	30
Beaten, rolled or drawn ..	800	100	160

(a) Information not available.



IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Algeria—			
Bullion and coin .. ..	800	450	(a)
Egypt—			
Bullion .. .. .	7	15	500
Coin .. .. .	60	1,800	1,400
Morocco—			
Bullion .. .. .	120,000	—	100,000
Coin .. .. .	2,100	600	3,000
Mexico—			
Coin .. .. .	60,000	—	10
United States—			
Ore and base bullion ..	1,040,000	2,100,000	2,100,000
Refined bullion .. ..	32,600,000	45,100,000	30,500,000
Coin .. .. .	280,000	2,600,000	80,000
Argentina—			
Bullion and coin .. ..	1,200	15,300	46,300
Brazil—			
Bullion .. .. .	120	230	500
Chile—			
Bullion .. .. .	156,000	50,000	—
Dutch Guiana—			
Bullion .. .. .	700	700	(a)
Venezuela—			
Bullion .. .. .	110	10	(a)
Coin .. .. .	9,500	6,500	(a)
China—			
Bullion .. .. .	90	4,400	15,000
Coin .. .. .	20	1,100	6,000
French Indo-China—			
Bullion .. .. .	600	1,600	11,000
Drawn and rolled .. ..	250	160	200
Iran (Persia) (b)—			
Bullion .. .. .	270,000	80,000	—
Coin .. .. .	40	1,800	10
Iraq—			
Bullion and coin .. ..	3,300	7,800	6,800
Japan—			
Bullion .. .. .	—	600	—

(a) Information not available.

(b) Years ended June 21.

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Korea—			
Bullion .. .. .	3,000	17,000	6,000
Netherlands East Indies—			
Bullion and scrap .. .. .	2,300	2,000	100
Coin .. .. .	3,600	22,000	4,200
Philippine Islands—			
Bullion .. .. .	200	300	80
Coin .. .. .	40	—	—
Siam—			
Bullion .. .. .	—	—	20
Coin .. .. .	250	—	500
Syria and Lebanon—			
Coin .. .. .	600	18,000	4,000

**GRAPHITE**

## PRODUCTION OF GRAPHITE

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Union of South Africa ..	62	65	58
Canada (sales) .. ..	1,355	1,591	(b)
Ceylon (exports) .. ..	11,569	13,908	13,515
India .. .. ..	337	557	388
Australia .. .. ..	5	44	23
FOREIGN COUNTRIES			
Austria (crude) .. ..	17,858	19,182	21,367
Czechoslovakia .. ..	3,448	1,840	2,880
Germany (crude) .. ..	17,258	21,321	23,906
Italy .. .. ..	3,846	5,072	5,118
Norway .. .. ..	2,245	2,305	2,338
Sweden .. .. ..	—	68	62
U.S.S.R. (Russia) .. ..	45,000	82,400	(a)
Madagascar .. .. ..	8,343	9,621	7,280
Morocco (French) .. ..	—	—	400
Mexico.. .. ..	3,827	6,866	10,092
Japan .. .. ..	954	1,182	1,551
Korea—			
Flake .. .. ..	2,394	} 43,992	(c) 39,167
Other .. .. ..	28,406		

NOTE :—Graphite is also produced in the United States.

(a) Information not available.

(b) Recorded by value only (£17,859.)

(c) Exports.

## EXPORTS OF GRAPHITE

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Crucibles .. .. .	2,405	2,673	2,424
Canada .. .. .	1,728	3,168	3,022
Ceylon .. .. .	11,569	13,908	13,515
Hong Kong (including re- exports) .. .. .	67	90	161
Australia .. .. .	18	23	28
FOREIGN COUNTRIES			
Austria .. .. .	13,712	13,946	15,706
Belgium-Luxemburg E.U.—			
Crude and ground .. .. .	252	162	198
Crucibles, etc. .. .. .	269	306	347
Czechoslovakia .. .. .	4,043	1,839	2,585
Denmark .. .. .	228	97	74
France .. .. .	696	761	529
Germany .. .. .	3,751	4,066	3,195
Hungary .. .. .	5	16	26
Italy .. .. .	1,901	2,208	1,261
Norway .. .. .	2,806	2,856	3,344
Sweden .. .. .	37	67	6
U.S.S.R. (Russia) .. .. .	—	91	17
Algeria .. .. .	135	61	—
Madagascar .. .. .	9,206	7,919	8,435
Morocco .. .. .	180	237	232
Mexico .. .. .	3,827	6,866	10,092
United States (including manufactures) .. .. .	1,111	1,321	729
Japan .. .. .	4,586	5,039	5,991
Korea .. .. .	29,435	44,727	39,167

IMPORTS OF GRAPHITE  
(Less Re-exports)  
(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Natural .. .. .	11,542	13,287	(b) 14,042
Crucibles .. .. .	3	8	9
Irish Free State .. .. .	14	25	61
Mauritius—			
Graphite .. .. .	(£41)	(£4)	(£79)
Crucibles .. .. .	(£311)	(£169)	(£281)
Southern Rhodesia .. .. .	7	12	17
Union of South Africa .. .. .	140	209	217
Canada—			
Unground .. .. .	(£598)	(£1,332)	(£1,039)
Ground, including manu- factures .. .. .	(£20,747)	(£18,861)	(£17,733)
Crucibles .. .. .	(£7,278)	(£7,732)	(£7,754)
Newfoundland (years ended June 30) .. .. .	(£21)	(£15)	(£59)
British India—			
Graphite .. .. .	484	545	508
Crucibles .. .. .	213	231	173
Hong Kong (total imports) ..	545	982	1,338
Australia .. .. .	629	874	563
New Zealand (£ N.Z.) .. .. .	(£1,182)	(£1,456)	(£2,308)
FOREIGN COUNTRIES			
Austria .. .. .	217	296	422
Belgium-Luxemburg E.U.—			
Crude and ground .. .. .	848	1,121	1,185
Crucibles, etc. .. .. .	311	299	299
Bulgaria .. .. .	85	101	121
Czechoslovakia .. .. .	2,596	1,658	2,443
Denmark—			
Graphite .. .. .	538	731	450
Crucibles .. .. .	55	90	43

(b) Including a small amount of artificial graphite.

IMPORTS OF GRAPHITE (*Cont.*)

Importing Country and Description.	1934	1935	1936
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Finland (total imports) ..	103	119	124
France.. .. .	3,616	3,656	3,832
Germany .. .. .	13,239	11,964	12,689
Hungary .. .. .	924	940	1,092
Italy .. .. .	2,369	2,145	1,788
Latvia .. .. .	40	49	75
Norway—			
Crucibles, etc. .. ..	68	87	9
Poland .. .. .	523	443	728
Portugal .. .. .	14	16	23
Roumania—			
Graphite .. .. .	822	893	(a)
Crucibles .. .. .	49	65	(a)
Sweden .. .. .	529	626	501
Yugoslavia .. .. .	1,045	956	462
Algeria .. .. .	17	20	19
Egypt .. .. .	96	92	71
Tunis—			
Graphite .. .. .	5	5	3
Crucibles .. .. .	9	6	4
Mexico .. .. .	87	86	108
United States .. .. .	12,608	16,394	21,582
Argentina .. .. .	293	415	424
Chile .. .. .	66	666	79
Colombia .. .. .	15	11	6
Peru .. .. .	12	15	32
French Indo-China .. ..	10	19	34
Japan (total imports) ..	4,220	3,851	3,854
Netherlands East Indies ..	83	130	359
Turkey—			
Graphite .. .. .	40	31	31
Crucibles, etc. .. ..	20	62	42

(a) Information not available.

## GYPSUM

### PRODUCTION OF GYPSUM (Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	961,581	981,913	1,002,472
Union of South Africa .. ..	22,929	21,249	31,457
Canada .. ..	440,442	502,206	750,996
Cyprus (estimated) .. ..	14,000	16,000	13,000
Palestine .. ..	3,377	4,471	6,111
India .. ..	46,757	45,318	54,404
Australia .. ..	89,654	118,136	125,584
Total .. ..	1,579,000	1,689,000	1,984,000
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	33,000	38,000	48,000
Estonia .. ..	4,828	6,139	13,630
France .. ..	1,430,500	1,255,000	(a)
Germany .. ..	851,000	952,000	(a)
Greece (b) .. ..	9,050	9,754	(a)
Italy (including alabaster) .. ..	451,729	463,726	319,659
Latvia (exports) .. ..	80,524	97,372	121,552
Luxemburg .. ..	10,520	29,008	28,650
Roumania (b) .. ..	46,430	(a)	(a)
Spain (c) .. ..	1,042,135	(a)	(a)
Sweden .. ..	119	167	(a)
U.S.S.R. (Russia) .. ..	677,662	(a)	(a)
Algeria .. ..	80,026	54,476	44,575
Egypt .. ..	147,348	187,655	(b)252,164
Tunis (estimated) .. ..	25,000	25,000	25,000
Mexico .. ..	(a)	59,944	60,736
United States .. ..	1,371,580	1,699,893	2,421,884
Argentina .. ..	43,445	48,987	(a)
Brazil (estimated) .. ..	2,000	2,000	2,000

(a) Information not available.

(b) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.

(c) Including 364,768 cu. metres of gypsum converted as per (b) for 1934.

PRODUCTION OF GYPSUM (*Cont.*)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Chile .. .. .	10,729	25,738	22,200
Peru .. .. .	8,018	8,913	(a)
China .. .. .	66,650	70,000	70,000
Japan .. .. .	125,617	135,503	(a)
New Caledonia .. .. .	13,400	—	—
Total* ..	6,600,000	6,900,000	(a)
WORLD'S TOTAL* ..	8,200,000	8,600,000	(a)

\* Gypsum is also produced in Poland, Switzerland, French Morocco and Cuba.

(a) Information not available.



EXPORTS OF GYPSUM  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Calcined .. .. .	15,631	14,389	10,569
Union of South Africa .. .. .	—	1,617	1,519
Canada—			
Crude .. .. .	316,945	392,269	580,694
Calcined .. .. .	636	641	671
Cyprus—			
Crude .. .. .	1,228	8,606	11,430
Calcined .. .. .	7,843	6,010	4,911
Hong Kong (including re-exports) ..	1,638	3,703	1,832
Australia—			
Crude .. .. .	10,865	15,060	13,822
Calcined .. .. .	17,700	8,306	7,788
FOREIGN COUNTRIES			
Austria—			
Crude and ground .. .. .	10,775	11,266	17,687
Calcined .. .. .	12,853	12,228	13,785
Belgium-Luxemburg E.U.—			
Crude .. .. .	9,190	41,187	26,608
Ground and calcined .. .. .	12,131	11,381	9,808
Czechoslovakia—			
Crude, ground and calcined ..	11	29	95
Denmark—			
Crude and calcined .. .. .	2	2	2
Estonia .. .. .	3,275	4,481	6,003
France—			
Crude and calcined .. .. .	208,728	200,862	214,433
Germany—			
Gypsum and phosphatic gypsum	64,469	64,884	66,530
Hungary—			
Calcined .. .. .	4	1	2
Italy—			
Crude .. .. .	24,612	15,577	534
Calcined .. .. .	905	667	276
Alabaster, crude .. .. .	415	578	645

EXPORTS OF GYPSUM (*Cont.*)

Exporting Country and Description	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Latvia—			
Crude .. .. .	71,900	81,673	94,779
Ground and calcined .. .. .	8,416	15,640	26,743
Alabaster .. .. .	208	59	30
Netherlands .. .. .	288	34	222
Poland—			
Crude .. .. .	3,656	1,214	38
Ground and calcined .. .. .	936	1,192	1,813
Portugal—			
Crude .. .. .	27	15	20
Roumania .. .. .	6,766	5,672	(a)
Sweden—			
Calcined .. .. .	16	2	18
Switzerland—			
Ground and calcined .. .. .	1,242	66	79
Yugoslavia—			
Crude .. .. .	9,193	6,837	14,839
Ground and calcined .. .. .	241	89	535
Algeria .. .. .	1,961	1,593	870
Egypt—			
Crude .. .. .	1,575	20,265	25,796
Calcined .. .. .	2,406	147	(a)
Morocco .. .. .	4	596	1,040
Tunis (including re-exports)—			
Calcined .. .. .	2,648	23	—
Mexico—			
Crude .. .. .	32,017	37,340	69,339
Calcined .. .. .	67	(a)	(a)
United States—			
Crude and ground .. .. .	2,311	4,043	(£21,200)
Calcined and manufactures .. .. .	2,021	4,212	(£34,300)
Argentina .. .. .	3,866	3,764	4,146
China .. .. .	1,872	1,495	1,322

(a) Information not available.

IMPORTS OF GYPSUM  
(Less Re-exports)  
(Long tons)

Importing Country and Description,	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Crude, including alabaster ..	106,452	121,747	177,758
Calcined .. .. .	9,985	15,077	23,917
Irish Free State—			
Calcined .. .. .	17,629	14,352	8,440
Southern Rhodesia—			
Crude and calcined .. ..	978	1,493	1,190
South West Africa .. .. .	5	8	12
Union of South Africa—			
Crude and calcined .. ..	4,529	4,385	4,402
Canada—			
Crude .. .. .	16	15	4
Ground .. .. .	154	234	304
Calcined .. .. .	492	1,542	726
Newfoundland (years ended June 30)—			
Crude and calcined .. ..	(£317)	(£424)	(£321)
Hong Kong (total imports) ..	1,119	3,733	3,366
Palestine—			
Crude and calcined .. ..	1,413	4,261	1,564
Australia—			
Crude and calcined .. ..	942	1,080	1,599
New Zealand—			
Crude .. .. .	3,426	7,207	8,601
Calcined .. .. .	7,799	12,118	11,315
FOREIGN COUNTRIES			
Albania .. .. .	58	62	61
Austria—			
Crude and ground .. ..	656	249	104
Calcined .. .. .	527	621	655
Belgium-Luxemburg E.U.—			
Crude .. .. .	113,057	128,224	134,771
Ground and calcined .. ..	39,396	37,338	40,553
Alabaster, crude .. .. .	19	—	2
Bulgaria—			
Crude .. .. .	—	1	—
Calcined .. .. .	99	47	40
Czechoslovakia—			
Crude and ground .. ..	10,257	12,180	20,363
Calcined .. .. .	14,321	14,749	17,318

(a) Information not available.

## IMPORTS OF GYPSUM (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Crude .. .. .	27,544	22,378	26,639
Calcined .. .. .	4,765	5,011	4,975
Estonia .. .. .	12	12	40
Finland (total imports)—			
Crude .. .. .	10,933	14,364	17,030
Calcined .. .. .	8,616	9,924	13,569
France—			
Alabaster .. .. .	45	39	35
Crude and calcined .. .. .	5,625	3,029	2,049
Germany—			
Gypsum and phosphatic gypsum ..	17,660	27,490	28,106
Greece .. .. .	65	131	201
Hungary—			
Crude, including barytes .. .. .	8,515	8,457	10,114
Ground .. .. .	133	98	123
Calcined .. .. .	12,116	10,827	11,365
Iceland .. .. .	8	(a)	(a)
Italy—			
Crude .. .. .	6,211	2,504	—
Calcined .. .. .	285	99	10
Alabaster, crude .. .. .	8	3	—
Latvia—			
Crude and ground .. .. .	1	16	32
Lithuania—			
Ground and calcined .. .. .	399	268	236
Netherlands .. .. .	25,945	22,957	17,662
Norway—			
Crude .. .. .	9,411	9,987	11,376
Calcined .. .. .	2,156	2,516	3,002
Poland—			
Crude .. .. .	6	—	—
Ground and calcined .. .. .	1,112	1,235	1,137
Portugal—			
Crude .. .. .	6,623	9,427	4,955
Calcined .. .. .	236	149	147
Sweden—			
Crude .. .. .	20,347	29,884	28,907
Calcined .. .. .	5,461	7,104	7,660
Switzerland—			
Ground and calcined .. .. .	1,859	1,462	1,130

(a) Information not available.

## IMPORTS OF GYPSUM (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—			
Crude .. .. .	2	—	—
Ground and calcined .. .. .	80	119	183
Algeria—			
Alabaster .. .. .	11	2	1
Calcined .. .. .	5,845	1,588	892
Angola—			
Calcined .. .. .	9	7	(a)
Egypt—			
Crude and ground .. .. .	2,197	39	50
Calcined .. .. .	7,654	4,099	3,284
Madagascar .. .. .	286	6	3
Morocco .. .. .	2,454	1,926	1,061
Mozambique—			
Crude .. .. .	203	356	295
Calcined .. .. .	5	5	12
Tunis—			
Alabaster .. .. .	—	1	—
Calcined .. .. .	691	271	425
Cuba (total imports) .. .. .	241	593	(a)
United States—			
Crude .. .. .	321,595	402,009	604,455
Ground .. .. .	969	1,108	1,227
Calcined .. .. .	477	537	402
Argentina .. .. .	351	480	333
Chile .. .. .	8	19	33
Colombia—			
Ground .. .. .	149	153	182
Peru—			
Crude .. .. .	10	6	2
Calcined .. .. .	10	11	17
Uruguay—			
Ground .. .. .	628	501	836
China .. .. .	3,531	10,697	92
Formosa .. .. .	383	474	(a)
French Indo-China—			
Crude .. .. .	2,404	1,091	8,178
Ground .. .. .	—	78	53
Japan (total imports) .. .. .	11,706	10,157	16,910
Korea (total imports) .. .. .	2,953	2,953	6,333
" Manchoukuo " .. .. .	2,952	3,831	16,638
Netherlands East Indies .. .. .	2,948	4,629	2,873
Philippine Islands .. .. .	2,824	4,013	4,697
Syria and Lebanon .. .. .	1,265	3,671	5,818

(a) Information not available.

## IRON AND STEEL

### PRODUCTION OF IRON ORE\* (including Manganiferous Iron Ore) (Long tons)

Producing Country.	Ore.			<i>Estimated</i> Iron Content.		
	1934	1935	1936	1934	1935	1936
BRITISH EMPIRE						
United Kingdom (b)	10,586,846	10,895,385	12,701,386	3,176,054	3,268,616	3,810,416
Sierra Leone (shipments)	229,465	433,540	566,595	130,800	247,100	323,000
Union of South Africa	229,494	299,247	359,219	141,391	188,615	231,373
Newfoundland ..	506,616	662,441	727,355	263,000	344,000	378,000
India .. ..	1,916,918	2,364,297	2,553,247	1,230,000	1,510,000	1,640,000
Unfederated Malay States .. ..	1,135,649	1,411,636	1,654,547	730,000	900,000	1,060,000
Australia .. ..	1,263,708	1,874,418	1,889,599	834,000	1,237,000	1,247,000
New Zealand ..	2,806	10,646	(a)	1,300	4,900	(a)
TOTAL ..	15,870,000	17,950,000	20,460,000			
FOREIGN COUNTRIES						
Austria .. ..	459,462	763,175	1,008,110	160,687	264,997	358,062
Belgium .. ..	114,060	161,920	(a)	51,000	73,000	(a)
Bulgaria .. ..	—	2,333	6,159	—	1,516	4,003
Czechoslovakia ..	530,233	719,512	1,072,414	174,265	237,693	346,626
France .. ..	31,509,515	31,539,780	32,894,351	11,000,000	11,000,000	11,500,000
Germany .. ..	4,274,092	5,947,855	6,624,248	1,350,639	1,819,361	2,161,893
Greece .. ..	145,080	200,922	(a)	61,627	97,196	(a)
Hungary .. ..	67,775	189,357	275,134	24,496	63,466	100,000

\* For detailed figures see page 172.

(a) Information not available.

(b) In addition bog ore and iron ore (not used for smelting) were produced as follows:—

1934 .. ..	9,709	long tons.
1935 .. ..	7,986	.. ..
1936 .. ..	7,224	.. ..

## PRODUCTION OF IRON ORE (Cont.)

Producing Country	Ore.			Estimated Iron Content.		
	1934	1935	1936	1934	1935	1936
<b>FOREIGN COUNTRIES</b>						
—(Cont.)						
Italy .. ..	494,153	559,771	844,513	247,516	280,000	422,000
Luxemburg ..	3,773,297	4,068,520	4,818,667	1,155,197	1,248,689	1,452,872
Norway .. ..	558,452	753,067	833,435	362,562	489,443	542,020
Poland .. ..	243,458	327,059	461,253	77,000	103,000	147,000
Portugal .. ..	2,849	866	6,436	1,300	400	3,500
Roumania ..	82,270	91,932	106,717	38,854	41,000	48,000
Spain .. ..	2,060,929	2,591,570	(a)	970,000	1,220,000	(a)
Sweden .. ..	5,170,093	7,807,566	11,071,933	3,200,000	4,783,000	6,744,500
Switzerland ..	(a)	3,813	10,000	(a)	(a)	(a)
U.S.S.R. (Russia)	21,169,100	26,421,000	27,477,000	(a)	(a)	(a)
Yugoslavia ..	177,002	231,022	443,738	89,000	116,000	222,000
Algeria .. ..	1,305,488	1,648,180	1,854,699	691,900	873,500	983,000
Belgian Congo ..	8,400	8,400	(a)	(a)	(a)	(a)
Egypt .. ..	200	15	—	90	7	—
Morocco (Spanish)	811,785	1,149,323	1,036,355	447,000	632,000	570,000
Tunis .. ..	537,900	496,000	715,000	277,000	257,000	367,000
Cuba .. ..	96,500	263,640	167,975	44,400	118,000	75,000
Mexico .. ..	104,128	94,080	121,176	66,648	60,257	77,630
United States (b)	24,809,438	31,064,436	49,729,624	12,400,000	15,500,000	24,900,000
Brazil (estimated)	30,000	30,000	30,000	20,000	20,000	20,000
Chile .. ..	957,800	835,987	1,332,325	575,215	508,989	800,000
China .. ..	1,338,100	(a)	(a)	550,000	(a)	(a)
French Indo-China	1,512	625	9,859	692	271	4,793
Japan .. ..	424,863	507,718	(a)	(a)	(a)	(a)
Korea .. ..	561,454	588,663	(a)	315,000	341,000	(a)
“Manchoukuo”	1,115,471	1,454,598	(a)	580,000	(a)	(a)
Philippine Islands (exports) ..	7,125	278,836	644,120	(a)	(a)	(a)
<b>TOTAL ..</b>	<b>103,000,000</b>	<b>122,000,000</b>	<b>148,000,000</b>			
<b>WORLD'S TOTAL</b>	<b>119,000,000</b>	<b>140,000,000</b>	<b>169,000,000</b>			

(a) Information not available.

(b) Including shipments of manganiferous iron ore up to 35 per cent. Mn.

## DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Producing Country.	1934	1935	1936
Great Britain—			
West Coast hematite ..	813,199	839,915	879,907
Jurassic ironstones—			
Lower lias .. ..	2,472,514	2,435,745	2,962,199
Middle lias .. ..	3,060,832	2,995,257	3,527,783
Inferior oolite .. ..	3,949,278	4,311,286	4,927,394
Coal measure ironstones ..	142,963	167,072	174,165
Other iron ore (hematite, limonite, etc.) .. ..	148,060	146,110	229,938
Union of South Africa—			
Hematite .. .. .	229,494	241,174	301,300
Siliceous hematite ..		58,073	57,919
Belgium—			
Oolitic limonite and hematite .. .. .	107,476	138,300	(a)
Limonite .. .. .	6,584	23,620	(a)
France—			
<i>By phosphorus content—</i>			
<i>To 0.075% .. .. .</i>	36,519	33,424	(b)42,963
<i>Over 0.075% to 1.7% ..</i>	1,616,500	1,596,063	(b)1,727,443
<i>Over 1.7% .. .. .</i>	29,856,496	29,910,293	(b)30,892,768
Germany—			
Limonite (under 12% Mn)	2,086,755	3,094,466	3,598,903
Limonite (12-30% Mn) ..	126,775	188,640	228,016
Hematite .. .. .	258,064	327,160	437,883
Siderite .. .. .	1,550,478	1,858,697	1,560,844
Flux ironstone .. .. .	168,035	193,016	253,496
Other ores .. .. .	83,985	285,876	545,106
<i>By phosphorus content—</i>			
<i>To 0.05% .. .. .</i>	1,673,588	2,019,831	(a)
<i>Over 0.05 to 0.1% ..</i>	126,776	187,789	(a)
<i>Over 0.1 to 0.5% ..</i>	1,024,130	1,314,056	(a)
<i>Over 0.5 to 0.75% ..</i>	313,861	653,822	(a)
<i>Over 0.75 to 1.0% ..</i>	655,308	977,537	(a)
<i>Over 1.0% .. .. .</i>	480,429	794,820	(a)
Italy—			
Iron ore .. .. .	476,930	542,744	825,585
Manganiferous iron ore ..	17,223	17,027	18,928

(a) Information not available.

(b) Sales.



## DETAILS OF PRODUCTION OF IRON ORE (Cont.)

Producing Country.	1934	1935	1936
Luxemburg—			
Siliceous iron ore .. ..	2,323,510	2,638,000	3,053,923
Calcareous iron ore .. ..	1,372,891	1,315,692	1,588,219
Ferruginous limestones ..	76,896	114,828	176,525
<i>By phosphorus content—</i>			
<i>From 0.5 to under 0.6%</i>	1,057,994	1,049,410	1,371,858
<i>From 0.6 to 0.75%</i> ..	2,715,303	3,019,110	3,446,809
Poland—			
Limonite .. .. .	31,229	37,210	64,241
Argillaceous iron ore ..	212,229	289,849	397,012
Portugal—			
Hematite .. .. .	2,849	866	6,436
Roumania—			
Limonite, siderite and magnetite .. .. .	82,270	91,932	106,717
Sweden—			
<i>By phosphorus content—</i>			
<i>Under 0.01%</i> .. .. .	569,000	892,795	1,146,471
<i>0.01% to under 0.05%</i>	811,649	1,002,941	1,237,566
<i>0.05% to under 0.1%</i> ..	58,905	205,640	371,887
<i>0.1% to under 0.6%</i> ..	392,065	899,406	1,324,680
<i>0.6% to under 1.0%</i> ..	1,545,677	2,254,203	2,702,368
<i>1% and over</i> .. .. .	1,792,797	2,552,581	4,288,961
Algeria—			
Non-phosphoric .. .. .	1,305,488	1,648,180	1,854,699
Egypt—			
Magnetite .. .. .	200	15	—
United States—			
Ore containing less than 5% Mn—			
Hematite* .. .. .	23,390,993	28,920,328	46,107,680
Magnetite* .. .. .	909,910	1,352,054	2,205,643
Limonite .. .. .	286,073	267,183	474,889
Siderite .. .. .	640	687	533
Ore containing 5 to under 10% Mn .. .. .	198,591	430,893	841,557
Ore containing 10 to under 35% Mn .. .. .	23,231	93,291	98,962

\* Some hematite is included with magnetite.

## EXPORTS OF IRON ORE

*(Domestic Produce)*

(Long tons)

Exporting Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. ..	3,256	757	3,157
Irish Free State—			
Bog ore .. ..	201	210	235
Burnt pyrites .. ..	9,889	18,403	22,036
Sierra Leone .. ..	210,645	433,540	577,692
Newfoundland .. ..	651,028	736,661	880,132
British India .. ..	1,183	2,118	1,709
British Malaya (c) .. ..	1,090,023	1,406,538	1,612,309
Australia .. ..	7,109	552,342	376,418
FOREIGN COUNTRIES			
Austria .. ..	60,284	129,162	209,619
Belgium-Luxemburg E.U. ..	736,435	828,858	920,607
Bulgaria .. ..	35	5,426	6,390
Czechoslovakia .. ..	91,461	80,582	72,780
Finland .. ..	399	—	28,950
France (b) .. ..	12,441,723	16,369,139	17,963,536
Germany .. ..	79,528	18,030	5,795
Greece .. ..	89,819	240,358	143,202
Hungary (including burnt pyrites) .. ..	3,041	19,559	46,554
Italy .. ..	75	134	49
Netherlands .. ..	12,468	137	—
Norway .. ..	672,111	773,870	979,546
Poland .. ..	7,958	1,961	380
Roumania .. ..	5,764	26,797	(a)
Spain .. ..	1,750,363	1,863,467	(a)

*(a)* Information not available. *(c)* Including re-exports.

*(b)* Including exports from the Saar territory up to 17th February, 1935.  
Exports from France to all countries, including exports to the Saar territory, were :—

1934 .. .. . 16,531,000 long tons.

EXPORTS OF IRON ORE (*Cont.*)

Exporting Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Sweden .. .. .	6,761,630	7,596,983	11,020,972
Switzerland .. .. .	18,661	5,801	31,330
U.S.S.R. (Russia) .. .. .	337,020	155,697	25,485
Yugoslavia .. .. .	110,177	177,659	308,526
Algeria .. .. .	1,396,320	1,437,341	2,139,181
French Morocco .. .. .	—	—	5,617
Spanish Morocco (Melilla) (c)	796,745	1,149,165	1,036,355
Tunis (c) .. .. .	496,605	479,230	785,505
Cuba .. .. .	119,826	190,734	335,754
Mexico .. .. .	(b) 1,005	1,392	3,285
United States .. .. .	608,922	660,553	645,284
Brazil .. .. .	7,025	46,438	109,244
Chile .. .. .	937,797	831,749	1,328,365
China .. .. .	844,022	1,295,260	1,282,130
French Indo-China .. .. .	—	—	1,140
Korea .. .. .	177,699	238,579	239,051
“ Manchoukuo ” .. .. .	332	248	309
Philippine Islands .. .. .	7,125	278,836	644,120
Turkey .. .. .	377	10	—

(b) *Fe* content.

(c) Including re-exports.

## IMPORTS OF IRON ORE

*(Less Re-exports)*

(Long tons)

Importing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. ..	4,358,979	4,546,937	5,960,385
Irish Free State .. ..	8	1	18
Canada .. ..	872,626	1,348,154	1,175,922
British India .. ..	13	77	4
British Malaya (b) .. ..	4	1	—
FOREIGN COUNTRIES			
Austria .. ..	1,736	1,064	2,530
Belgium-Luxemburg E.U. ..	10,098,537	10,415,653	10,548,858
Czechoslovakia .. ..	268,128	540,320	546,139
Finland (b) .. ..	330	403	508
France .. ..	926,195	435,810	385,340
Germany .. ..	8,134,077	13,839,002	18,177,642
Hungary (including burnt pyrites) .. ..	146,945	262,467	350,697
Italy .. ..	290,358	184,005	39,612
Netherlands .. ..	488,567	418,214	480,977
Norway .. ..	1,524	6,694	2,199
Poland .. ..	134,689	240,121	340,436
Roumania .. ..	58,533	40,237	(a)
Spain .. ..	12,158	9,946	(a)
Sweden .. ..	37	47	46
Switzerland (c) .. ..	39,750	42,951	49,275
Yugoslavia .. ..	32	942	30
Algeria .. ..	151	2	980
Tunis .. ..	99	2,118	1,810
United States .. ..	1,427,521	1,492,435	2,232,229
China .. ..	1,482	1,693	1,639
Japan (b) .. ..	2,098,245	3,350,335	3,720,408
Korea (b) .. ..	37,012	34,663	47,199
Turkey .. ..	60	344	1,573

(a) Information not available.

(b) Total imports.

(c) Including chrome ore, pyrites, burnt pyrites, etc.

## TOTAL IMPORTS OF IRON ORE INTO THE UNITED KINGDOM BY PORTS

(Long tons)

Port.	1934	1935	1936
ENGLAND AND WALES			
North-East—			
Grimsby, including Immingham ..	277,461	302,421	403,887
Middlesbrough .. .. .	1,461,443	1,465,309	2,006,850
Newcastle, including Shields ..	348,346	289,449	445,041
Stockton .. .. .	427	508	828
Sunderland .. .. .	39,093	40,597	55,434
South-East—			
London .. .. .	165,220	378,765	401,646
North-West—			
Barrow-in-Furness .. .. .	145,084	131,575	142,419
Liverpool .. .. .	152,453	221,620	288,949
Manchester .. .. .	109,936	157,090	152,576
Workington, including Harrington	263,476	209,073	291,844
South-West—			
Cardiff .. .. .	158,799	249,265	552,023
Newport .. .. .	6,305	6,150	3,342
Port Talbot .. .. .	499,776	427,713	437,574
Swansea .. .. .	73	—	—
Chester .. .. .	26,966	—	—
SCOTLAND			
Ardrossan .. .. .	154,428	117,426	109,439
Glasgow .. .. .	285,601	285,528	369,010
Grangemouth .. .. .	240,794	240,956	276,263

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS\*  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. ..	5,969,100	6,424,100	7,721,400
Union of South Africa ..	128,432	170,746	198,994
Canada .. .. .	436,916	656,491	752,737
India .. .. .	1,320,210	1,466,044	1,543,319
Australia (b) .. .. .	487,259	698,493	(a)
New Zealand .. .. .	1,337	4,902	—
Total ..	8,300,000	9,400,000	10,900,000
FOREIGN COUNTRIES			
Austria .. .. .	131,384	190,119	244,192
Belgium .. .. .	2,905,889	2,981,752	3,156,752
Czechoslovakia .. .. .	590,843	798,130	1,121,883
Finland .. .. .	7,457	10,565	10,861
France—			
Saar .. .. .	1,796,831	(c)297,422	...
Other districts .. .. .	6,045,129	5,698,338	6,131,372
Germany .. .. .	8,579,070	12,643,316	15,061,443
Hungary .. .. .	138,005	182,947	301,453
Italy .. .. .	572,403	692,718	815,398
Luxemburg .. .. .	1,924,377	1,842,800	1,955,228
Netherlands .. .. .	253,769	249,610	270,542
Norway .. .. .	124,927	128,686	164,714
Poland .. .. .	376,163	387,873	575,152
Roumania .. .. .	60,662	80,694	95,562
Spain .. .. .	366,485	349,172	276,500
Sweden .. .. .	548,422	602,001	621,231
U.S.S.R. (Russia) .. .. .	10,263,600	12,291,700	14,316,300
Yugoslavia .. .. .	32,097	21,215	43,751
Mexico .. .. .	65,408	63,126	86,642
United States .. .. .	16,138,573	21,372,699	31,029,187
Brazil .. .. .	57,635	54,200	76,462
China .. .. .	153,182	(a)	(a)
Japan .. .. .	1,744,383	1,933,579	} 2,184,002
Korea .. .. .	207,478	241,323	
“ Manchoukuo ” .. .. .	468,285	598,346	639,548
Philippine Islands .. .. .	150	200	200
Total ..	53,600,000	63,900,000	79,300,000
WORLD'S TOTAL ..	61,900,000	73,300,000	90,200,000

\* For details see page 179.

(a) Information not available.

(b) Years ended June 30.

(c) January-February only, after which date production is included with that of Germany.

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS IN  
CERTAIN COUNTRIES

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Hematite .. .. .	1,517,100	1,465,900	1,727,800
Basic .. .. .	2,953,400	3,382,500	4,342,900
Foundry .. .. .	1,277,900	1,327,900	1,309,700
Forge .. .. .	103,300	115,600	147,000
Other kinds of pig-iron ..	22,400	21,100	45,300
Spiegeleisen .. .. .	16,200	20,300	17,600
Ferro-manganese .. .. .	72,100	90,400	120,000
Ferro-silicon .. .. .	6,700	400	11,100
Canada—			
Basic .. .. .	310,631	468,244	531,175
Foundry .. .. .	50,923	62,294	83,793
Malleable .. .. .	43,441	69,337	63,704
Ferro-alloys .. .. .	31,921	56,616	74,065
India—			
Basic .. .. .	843,525	994,853	998,356
Foundry and forge .. .. .	471,149	457,009	541,700
Ferro-manganese .. .. .	5,536	14,182	3,263
FOREIGN COUNTRIES			
Austria—			
Basic .. .. .	128,785	190,119	243,985
Foundry .. .. .	2,599	—	207
Belgium—			
Basic .. .. .	2,803,551	2,871,737	} 3,156,752
Foundry, hematite .. .. .	29,339	30,500	
do. phosphoric .. .. .	61,395	67,576	
Ferro-alloys .. .. .	11,604	11,939	
Czechoslovakia—			
Open hearth .. .. .	390,966	527,468	726,521
Bessemer .. .. .	137,688	191,846	267,124
Foundry .. .. .	52,534	66,359	108,062
Spiegeleisen .. .. .	2,117	2,818	4,659
Ferro-manganese .. .. .	7,538	9,639	15,517

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS (*Cont.*)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Finland—			
Pig-iron .. .. .	1,514	5,516	5,517
Ferro-alloys .. ..	5,944	5,049	5,344
France—			
Saar—			
Basic .. .. .	1,635,623	} (b)297,422	...
Foundry and castings ..	145,713		
Ferro-alloys, etc. ..	15,495		
Other districts—			
Phosphoric (over 1% P)—			
Basic .. .. .	4,624,781	4,663,736	5,102,703
Foundry .. .. .	661,298	500,046	489,861
Other kinds .. ..	10,378	143	439
Semi-phosphoric (over 0·12% to 1% P)—			
Foundry .. .. .	71,612	25,686	27,429
Open hearth, basic ..	27,025	32,943	31,991
Hematite (0·12% or less P)—			
Foundry .. .. .	185,661	151,548	132,426
Open hearth .. ..	248,360	137,572	} 189,865
Bessemer .. .. .	9,217	11,781	
Spiegeleisen .. ..	79,539	80,670	66,636
Ferro-manganese ..	62,217	55,303	45,631
Ferro-silicon .. ..	49,943	22,789	20,436
Other ferro-alloys ..	15,098	16,121	23,955
Germany—			
Hematite .. .. .	643,579	653,010	728,909
Basic .. .. .	5,529,499	8,676,755	10,178,148
Foundry .. .. .	683,047	799,464	991,398
Forge, etc. .. .. .	79	182,943	229,395
Special pig-irons and ferro-alloys .. .. .	1,722,866	2,331,144	2,933,593
Italy—			
Coke pig-iron .. .. .	461,649	551,731	663,145
Charcoal pig-iron .. ..	886	295	1,402
Electric .. .. .	58,379	71,353	97,788
Spiegeleisen .. .. .	12,941	23,391	16,572
Ferro-manganese .. ..	17,354	22,508	14,737
Ferro-silicon .. .. .	14,824	14,261	3,352

(b) January–February only, after which date production is included with that of Germany.



## DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—(cont.)			
Ferro-silico-manganese ..	1,934	3,400	3,683
Ferro-chrome .. ..	2,251	2,922	2,512
Ferro-titanium .. ..	28	61	38
Ferro-tungsten .. ..	109	142	126
Other ferro-alloys .. ..	2,048	2,654	12,043
Luxemburg—			
Basic .. .. .	1,908,053	1,821,333	1,951,365
Foundry .. .. .	16,324	21,467	3,863
Norway—			
Pig-iron .. .. .	29,299	31,907	32,193
Ferro-silicon .. .. .	29,992	26,815	40,858
Other ferro-alloys .. ..	65,636	69,964	91,663
Poland—			
Open hearth .. .. .	2,471	24,118	35,860
Foundry .. .. .	62,027	40,661	80,175
Acid.. .. .	285,703	297,382	430,791
Castings .. .. .	48	56	337
Ferro-alloys .. .. .	25,914	25,656	27,989
Roumania—			
Basic .. .. .	38,374	59,176	(a)
Foundry .. .. .	21,246	21,250	(a)
Spiegeleisen .. .. .	1,042	268	(a)
Spain—			
Pig-iron .. .. .	356,942	341,492	(a)
Ferro-manganese .. .. .	7,926	5,071	(a)
Ferro-silicon .. .. .	1,617	2,609	(a)
Sweden (b)—			
Open hearth, acid .. ..	165,711	158,658	164,229
do. basic.. .. .	80,092	87,510	92,595
Bessemer, acid .. .. .	24,099	33,883	31,935
do. basic .. .. .	149,525	149,027	169,749
Foundry .. .. .	73,078	92,903	83,337
Forge .. .. .	14,710	29,997	27,248
Castings .. .. .	9,278	8,803	9,384
Spiegeleisen .. .. .	104	235	—
Ferro-manganese .. .. .	1,289	2,829	1,072
Ferro-silicon .. .. .	13,954	14,694	13,567

(a) Information not available.

(b) In addition the following amounts of metallic silicon were produced :—

1934 .. .. .	892 long tons.
1935 .. .. .	920 " "
1936 .. .. .	528 " "

## DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS (Cont.)

Producing Country.	1934	1935	1936	
FOREIGN COUNTRIES (Cont.)				
Sweden—(cont.)				
Ferro-silico-manganese ..	4,882	6,013	6,921	
Ferro-chrome .. ..	11,003	15,751	18,693	
Ferro-silico-chrome ..	191	—	—	
Ferro-tungsten .. ..	415	1,116	1,764	
Ferro-molybdenum ..	91	408	202	
Ferro-vanadium .. ..	—	24	22	
Other ferro-alloys ..	—	150	513	
U.S.S.R. (Russia)—				
Hematite .. .. .	80,000	109,900	} 14,316,300	
Foundry .. .. .	2,875,400	2,768,600		
Forge .. .. .	16,800	50,300		
Other pig irons .. ..	6,985,500	8,900,600		
Spiegeleisen .. .. .	138,500	251,500		
Ferro-silicon .. .. .	41,300	54,100		
Ferro-manganese .. ..	91,300	115,000		
Other ferro-alloys ..	34,800	41,700		(a)
United States—				
Basic .. .. .	10,101,744	13,618,453	20,476,921	
Bessemer and low phosphorus .. ..	3,431,289	4,238,692	5,876,762	
Foundry .. .. .	1,265,174	1,645,252	2,030,991	
Forge .. .. .	20,810	5,325	33,671	
Malleable .. .. .	827,151	1,205,744	1,717,057	
Other pig-iron .. ..	30,721	67,294	81,145	
Ferro-manganese and spiegeleisen .. ..	185,833	289,279	395,119	
Ferro-silicon .. .. .	239,965	262,862	360,490	
Other ferro-alloys ..	35,886	39,798	57,031	
Japan—				
Coke pig-iron .. ..	1,660,003	1,835,124	(a)	
Refined pig-iron .. ..	36,634	34,815	(a)	
Charcoal pig-iron ..	3,315	5,759	(a)	
Other pig-iron .. ..	912	974	(a)	
Ferro-manganese .. ..	28,901	34,162	(a)	
Spiegeleisen .. .. .	287	547	(a)	
Ferro-silicon .. .. .	11,541	16,100	(a)	
Ferro-chrome .. .. .	2,250	4,013	(a)	
Ferro-tungsten .. ..	228	268	(a)	
Ferro-molybdenum ..	130	185	(a)	
Other ferro-alloys ..	182	1,632	(a)	

(a) Information not available.

PRODUCTION OF STEEL INGOTS AND CASTINGS\*  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. ..	8,849,700	9,858,700	11,784,600
Union of South Africa ..	11,000	185,100	244,200
Canada .. ..	757,782	941,527	1,114,550
India .. ..	797,569	862,344	865,770
Australia (c) .. ..	518,326	696,861	(a)
Total ..	10,900,000	12,500,000	14,700,000
FOREIGN COUNTRIES			
Austria .. ..	304,324	358,246	411,790
Belgium .. ..	2,897,248	2,974,803	3,123,427
Czechoslovakia .. ..	925,594	1,159,872	1,514,014
France—			
Saar .. ..	1,919,614	(e)318,438	—
Other districts .. ..	6,076,662	6,177,643	6,602,150
Germany .. ..	11,510,831	15,889,216	18,854,951
Hungary .. ..	310,000	443,000	544,000
Italy .. ..	1,803,406	2,094,807	1,915,990
Latvia .. ..	2,076	2,111	2,554
Luxemburg .. ..	1,901,868	1,807,818	1,949,766
Poland .. ..	833,829	929,670	1,122,512
Roumania .. ..	172,567	209,721	216,263
Spain .. ..	636,641	576,923	463,583
Sweden .. ..	848,176	882,237	961,922
U.S.S.R. (Russia) .. ..	9,540,100	12,209,000	16,338,200
Mexico .. ..	(a)	(a)	110,810
United States (d) .. ..	26,055,289	34,092,594	47,767,856
Brazil .. ..	61,000	63,000	72,500
China .. ..	50,000	(a)	(a)
Japan .. ..	3,782,817	4,628,315	} 4,944,510
Korea .. ..	58,755	95,885	
“ Manchoukuo ” .. ..	—	134,656	
Total ..	69,700,000	85,200,000	107,300,000
WORLD'S TOTAL ..	80,600,000	97,600,000	121,800,000

\* For details see page 184.

(a) Information not available.

(c) Years ended June 30.

(d) Excluding steel castings which were produced by companies not manufacturing steel ingots.

(e) January-February only, after which date production is included with that of Germany.

DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS IN  
CERTAIN COUNTRIES

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ingots—			
Open hearth, acid .. ..	1,708,400	1,812,000	2,111,800
basic .. ..	6,667,100	7,346,500	8,760,600
Converter, acid .. ..	222,900	199,200	238,600
basic .. ..	—	223,800	323,600
Electric .. ..	65,600	77,400	108,100
Castings, electric .. ..	30,800	29,400	44,500
other .. ..	154,900	170,400	197,400
Canada—			
Ingots, open hearth .. ..	713,227	872,444	1,037,006
electric .. ..	23,891	36,742	43,506
Castings—			
Open hearth, basic .. ..	6,457	9,119	10,165
Bessemer .. ..	507	645	565
Electric .. ..	13,700	22,577	23,308
India—			
Ingots—			
Open hearth, basic .. ..	277,425	283,422	314,668
Duplex steel (b) .. ..	516,931	576,019	548,012
Electric .. ..	—	—	38
Castings .. ..	3,213	2,903	3,052
FOREIGN COUNTRIES			
Austria—			
Open hearth .. ..	242,453	295,563	334,040
Electric .. ..	61,871	62,683	77,750
Belgium—			
Ingots, open hearth .. ..	241,052	276,552	3,055,702
Bessemer, basic .. ..	2,603,069	2,635,439	
electric .. ..	9,448	6,565	68,725
Castings, open hearth .. ..	15,009	18,454	
converter .. ..	28,670	34,309	
electric .. ..	—	3,484	
Czechoslovakia—			
Ingots—			
Open hearth, acid .. ..	10,831	14,650	33,350
basic .. ..	780,124	963,958	1,217,593
Bessemer, acid .. ..	68	64	—
basic .. ..	72,325	113,943	159,633
Electric .. ..	48,063	49,852	75,859
Crucible .. ..	40	40	44

(b) Produced by preliminary refining in the Bessemer acid converter and completed in the basic open-hearth furnace.

## DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—(cont.)			
Castings—			
Open hearth, acid ..	2,846	2,560	3,967
basic ..	5,279	7,778	12,567
Bessemer, acid .. ..	104	104	—
Electric .. .. .	5,895	6,905	10,980
Crucible .. .. .	19	18	21
France—			
Saar—			
Open hearth, basic ..	480,874	} (b) 318,438	...
Bessemer .. .. .	1,407,718		
Electric .. .. .	14,915		
Castings, acid .. ..	2,112		
basic .. .. .	4,189		
electric .. .. .	9,806		
Other districts—			
Ingots—			
Open hearth, acid ..	21,661	23,359	29,709
basic .. .. .	1,731,064	1,838,973	1,874,964
Bessemer, acid .. ..	—	117	—
basic .. .. .	4,009,787	3,940,563	4,316,704
Crucible .. .. .	8,067	12,848	10,301
Electric .. .. .	168,507	211,869	233,028
Castings—			
Open hearth, acid ..	809	907	782
basic .. .. .	66,237	71,898	59,970
Bessemer, acid .. ..	42,017	45,371	39,832
basic .. .. .	1,459	444	795
Crucible .. .. .	505	644	1,013
Electric .. .. .	26,549	30,650	35,052
Germany—			
Ingots—			
Open hearth, acid ..	124,393	173,256	179,951
basic .. .. .	6,776,240	6,776,355	7,748,704
Bessemer, basic .. ..	4,343,879	8,549,248	9,996,494
Crucible .. .. .	5,127	6,235	} 362,670
Electric .. .. .	168,814	255,488	
Castings .. .. .	92,378	128,634	567,132

(b) January–February only, after which date production is included with that of Germany.

## DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ingots, open hearth .. ..	1,405,785	} 2,035,837	1,853,884
electric .. ..	344,423		
Castings, open hearth .. ..	10,471	} 58,970	66,106
Bessemer .. ..	256		
electric .. ..	42,471		
Luxemburg—			
Ingots, open hearth .. ..	6,234	6,897	6,724
Bessemer, basic .. ..	1,888,698	1,793,403	1,934,114
electric .. ..	6,936	7,518	8,928
Poland—			
Open hearth .. ..	794,795	901,323	1,087,799
Electric .. ..	28,955	19,192	24,829
Castings .. ..	10,079	9,155	9,884
Roumania—			
Open hearth .. ..	134,254	178,421	} 216,263
Electric .. ..	38,313	31,300	
Spain—			
Open hearth .. ..	504,413	} 576,923	463,583
Bessemer .. ..	128,726		
Electric .. ..	3,502		
Sweden—			
Open hearth, acid .. ..	209,864	199,036	225,990
basic .. ..	372,286	392,239	423,997
Bessemer, acid .. ..	11,598	20,556	15,690
basic .. ..	91,772	86,689	92,806
Crucible .. ..	657	391	475
Electric .. ..	161,999	183,326	202,964
U.S.S.R. (Russia)—			
Open hearth .. ..	8,161,100	} 12,209,000	16,338,200
Bessemer .. ..	1,038,000		
Electric .. ..	338,300		
Castings .. ..	2,700		
United States—			
Ingots—			
Open hearth, acid .. ..	201,073	248,512	278,406
basic (c) .. ..	23,235,688	30,334,442	43,070,917
Bessemer .. ..	2,162,357	2,835,031	3,458,457
Crucible .. ..	531	642	816
Electric .. ..	349,095	521,818	704,213

## DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
Castings (b)—			
Open hearth, acid ..	73,615	105,680	142,896
basic (c) ..	20,729	26,795	43,909
Electric .. .. .	12,201	19,674	68,242
Japan—			
Ingots—			
Open hearth .. ..	3,547,418	4,352,405	} (d) 4,836,456
Crucible .. .. .	1,102	1,181	
Electric .. .. .	146,912	170,309	
Castings—			
Open hearth .. ..	28,805	36,897	} (d)108,054
Electric .. .. .	58,580	67,523	

(b) Excluding steel castings which were produced by companies not manufacturing steel ingots.

(c) Included in above (ingots and castings) is duplex steel, as follows—

1934 .. .. .	591,373	long tons.
1935 .. .. .	960,020	” ”
1936 .. .. .	2,099,102	” ”

(d) Includes Korea.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC.  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge .. .. .	1,298	2,228	} 57,484
Foundry .. .. .	73,235	90,500	
Acid .. .. .	47,910	48,752	41,927
Basic .. .. .	842	829	207
Spiegeleisen and ferro-manganese	8,964	11,656	9,424
Ferro-tungsten .. .. .	363	1,287	960
Ferro-silicon .. .. .	94	265	} 1,568
Other ferro-alloys .. .. .	488	1,330	
Iron and steel ingots .. .. .	1,144	1,338	2,551
Blooms, billets and slabs—			
Iron .. .. .	141	144	68
Steel .. .. .	11,440	5,676	7,633
Special steel .. .. .	2,567	2,801	2,918
Old and scrap .. .. .	223,940	168,204	139,280
Irish Free State—			
Old and scrap .. .. .	35,410	30,093	33,149
Union of South Africa—			
Pig iron, etc. .. .. .	—	114	86
British West Indies—			
Trinidad and Tobago—			
Old and scrap .. .. .	(a)	3,487	157
Canada—			
Pig-iron .. .. .	9,221	13,759	13,904
Ferro-silicon .. .. .	7,403	7,101	7,301
Other ferro-alloys .. .. .	24,234	31,712	44,273
Billets, ingots and blooms .. .. .	25,065	45,200	79,505
Scrap .. .. .	82,605	102,712	200,143
British India—			
Pig-iron .. .. .	398,786	473,145	606,556
Old and scrap .. .. .	54,586	56,932	99,273
British Malaya (including re-exports)—			
Pig-iron .. .. .	14	56	132
Scrap .. .. .	11,370	9,973	13,310
Hong-Kong (including re-exports)—			
Pig-iron .. .. .	703	1,081	922
Tool steel .. .. .	35	28	7
Old and scrap .. .. .	17,610	20,001	29,590
Palestine—			
Old and scrap .. .. .	1,774	1,372	991
Australia—			
Pig-iron .. .. .	943	23,555	4,614
Ingots, blooms, billets, etc. .. .. .	1,628	12,767	1,317
Old and scrap .. .. .	45,705	42,962	55,474

(a) Information not available.



EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES.			
Austria—			
Pig-iron .. .. .	1,860	10,430	20,254
Ferro-silicon .. .. .	1,298	1,055	2,206
Other ferro-alloys .. .. .	24	95	108
Iron ingots, blooms and bars .. .. .	1,151	11,868	29,336
Steel ingots, blooms and bars .. .. .	3,942	4,001	3,716
Old and scrap .. .. .	15,299	6,219	20,254
Belgium-Luxemburg E.U.—			
Pig-iron and ferro-alloys .. .. .	42,118	41,106	61,714
Crude iron ingots .. .. .	27,252	20,403	1,477
Steel ingots .. .. .	6,144	5,660	268
Steel blooms and billets .. .. .	381,166	324,053	355,404
Special steel .. .. .	496	449	566
Old and scrap .. .. .	331,941	417,651	536,980
Bulgaria—			
Old and scrap .. .. .	5,931	1,939	1,008
Czechoslovakia—			
Pig-iron—			
Foundry .. .. .	3,519	5,364	6,599
Other .. .. .	—	30	369
Spiegeleisen .. .. .	463	881	827
Other ferro-alloys .. .. .	1,655	3,487	4,654
Billets of cast iron .. .. .	2,077	2,419	4,088
Billets, blooms and bars of puddled iron .. .. .	1,197	775	3,227
Old and scrap .. .. .	854	192	32
Denmark—			
Old and scrap .. .. .	92,898	83,957	86,565
Estonia—			
Old and scrap .. .. .	8,446	8,195	9,740
Finland—			
Pig-iron and ferro-alloys .. .. .	5,229	3,512	6,095
Old and scrap .. .. .	132	390	84
France—			
Pig-iron—			
Forged or refined .. .. .	143,394	134,773	146,565
Spiegeleisen .. .. .	9,897	4,151	592
Ferro-manganese .. .. .	8,432	9,423	7,240
Ferro-silicon .. .. .	3,665	3,553	3,715
Ferro-chrome .. .. .	976	1,037	1,005
Other ferro-alloys .. .. .	1,333	1,360	2,030
Ingots .. .. .	2,680	1,141	580
Blooms and billets, forged or rolled .. .. .	344,240	235,868	284,209
Tool steel .. .. .	1,100	848	954
Machine iron or steel .. .. .	151,457	126,772	108,299

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Other special steel.. ..	2,875	1,690	1,022
Old, filings and scrap .. ..	528,879	610,993	554,119
Germany—			
Pig-iron .. ..	156,474	221,025	237,341
Ferro-manganese .. ..	19,293	11,891	14,528
Ferro-silicon, etc. .. ..	283	38	33
Other ferro-alloys .. ..	10,349	7,039	9,232
Rough blooms, bars, ingots, etc.	182,299	153,497	187,981
Old and scrap .. ..	93,060	73,228	56,848
Greece—			
Old and scrap .. ..	12,006	5,669	11,592
Hungary—			
Pig-iron and ferro-alloys .. ..	453	39	—
Ingots and blooms .. ..	22,404	62,013	42,470
Old and scrap .. ..	1,478	—	—
Italy—			
Pig-iron .. ..	19	11,847	11,034
Ferro-manganese .. ..	544	736	198
Ferro-chrome .. ..	40	—	—
Ferro-silicon .. ..	1,742	2,055	807
Other ferro-alloys .. ..	72	—	10
Steel ingots, blooms and loops ..	2	11	1
Old and scrap .. ..	1	2,225	44
Latvia—			
Old and scrap .. ..	116	206	286
Lithuania—			
Pig-iron .. ..	31	—	—
Iron and steel ingots, etc. ..	15	—	2
Old and scrap .. ..	5,300	3,240	3,463
Netherlands—			
Pig-iron and ferro-alloys ..	219,946	193,325	234,817
Ingots, blooms and billets ..	18,937	13,464	13,594
Old iron and scrap .. ..	256,307	210,943	295,208
Norway—			
Pig-iron—electric .. ..	21,476	26,513	23,950
Ferro-chrome .. ..	11,700	11,672	10,862
Ferro-manganese .. ..	36,684	47,653	58,400
Ferro-silicon .. ..	21,173	25,624	29,587
Other ferro-alloys .. ..	20,184	20,927	30,779
Steel .. ..	2,663	2,805	2,721
Old and scrap .. ..	42,394	30,585	29,618

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS  
ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Poland—			
Pig-iron .. .. .	15	—	—
Ferro-manganese .. .. .	11,655	8,159	8,194
Ferro-chrome .. .. .	341	799	412
Ferro-silicon .. .. .	—	326	428
Other ferro-alloys .. .. .	1	11	—
Blooms and billets .. .. .	371	11	7
Old and scrap .. .. .	1,562	358	811
Portugal—			
Old and scrap .. .. .	15,855	15,311	14,865
Roumania—			
Pig-iron .. .. .	2,165	635	(a)
Tool steel .. .. .	—	1	(a)
Old and scrap .. .. .	159	880	(a)
Spain—			
Pig-iron .. .. .	98	—	(a)
Iron and steel scrap .. .. .	19	31	(a)
Sweden—			
Pig-iron .. .. .	69,213	63,745	76,911
Sponge iron .. .. .	2,867	3,481	4,359
Ferro-manganese and spiegeleisen	198	898	781
Ferro-silicon .. .. .	6,533	12,131	10,055
Ferro-silico-manganese .. .. .	3,912	4,436	5,230
Ferro-chrome .. .. .	8,918	11,163	12,439
Ferro-tungsten .. .. .	167	797	1,320
Other ferro-alloys .. .. .	47	323	138
Steel ingots .. .. .	5,773	5,871	6,178
Steel blooms .. .. .	431	621	855
Tool steel .. .. .	636	672	669
Other special steel.. .. .	2,477	3,361	4,291
Old, filings and scrap .. .. .	8,267	6,171	13,121
Switzerland—			
Ferro-chrome and ferro-silicon ..	760	648	717
Old, filings and scrap .. .. .	77,632	66,076	51,276
U.S.S.R. (Russia)—			
Pig-iron .. .. .	113,578	325,958	699,437
Ferro-manganese .. .. .	—	—	294
Ferro-silicon .. .. .	—	96	651
Ingots .. .. .	—	952	4
Old and scrap .. .. .	3,253	12,049	11,998
Yugoslavia—			
Ferro-chrome .. .. .	—	144	338
Ferro-silicon .. .. .	3,321	5,103	1,145
Crude iron in ingots .. .. .	1	8	—
Special steel .. .. .	222	221	113
Scrap and filings .. .. .	3	119	349

(a) Information not available.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Old, filings and scrap .. .. .	8,989	22,475	18,472
Canary Islands—			
Old and scrap .. .. .	492	(a)	(a)
Egypt (including re-exports)—			
Scrap .. .. .	22,823	31,552	25,188
Morocco—			
Old and scrap .. .. .	5,416	10,982	9,527
Spanish Morocco (including re-exports)—			
Ceuta—			
Old and scrap .. .. .	543	(a)	(a)
Melilla—			
Old and scrap .. .. .	212	(a)	(a)
Cuba—			
Old and scrap .. .. .	8,861	1,531	(a)
United States—			
Pig-iron .. .. .	4,096	4,107	5,316
Ferro-manganese and spiegeleisen	222	131	466
Ferro-tungsten, tungsten metal			
and wire .. .. .	314	445	93
Other ferro-alloys .. .. .	(a)	(a)	2,482
Steel ingots, slabs, blooms, billets			
and sheet bars .. .. .	19,586	39,782	21,400
Old and scrap .. .. .	(c)1,835,170	2,044,506	1,877,136
Argentina—			
Ingots .. .. .	49	41	12
Chile—			
Ingots .. .. .	133	226	5
China—			
Pig-iron .. .. .	1	4	65
Old and scrap .. .. .	6,443	—	5
French Indo-China—			
Pig-iron and spiegeleisen .. .. .	12	11	—
Ingots, bars and billets .. .. .	74	43	66
Old and scrap .. .. .	1,780	1,188	4,419
Iran (Persia) (b)—			
Ingots, old and scrap .. .. .	747	767	265
Japan—			
Ingots .. .. .	4,570	13,844	11,857
Old and scrap .. .. .	17,238	15,734	11,873
Korea—			
Pig-iron .. .. .	161,704	128,565	120,978

(a) Information not available.

(b) Years ended June 21; includes re-exports.

(c) Including tin-plate scrap.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS  
ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
"Manchoukuo"—			
Pig-iron .. .. .	433,428	425,763	303,827
Ingots, billets and blooms .. .. .	(a)	(a)	50,023
Sheet bar .. .. .	(a)	(a)	85,647
Old and scrap .. .. .	(a)	18,924	34,600
Netherlands East Indies—			
Old and scrap .. .. .	33,883	50,675	64,784
Philippine Islands—			
Old and scrap .. .. .	2,134	2,476	2,424
Syria and Lebanon—			
Old and scrap .. .. .	1,474	2,084	1,686
Turkey—			
Iron ingots and blocks .. .. .	61	—	—
Old and scrap .. .. .	4,316	5,815	6,336

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC.  
(Less Re-exports)  
(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Charcoal .. .. .	12,038	11,879	36,501
Foundry .. .. .	30,712	29,608	40,066
Basic .. .. .	79,440	37,462	165,760
Other pig-iron .. .. .	3,415	4,846	4,936
Spiegeleisen and ferro-manganese	2,399	2,772	3,737
Ferro-silicon .. .. .	16,535	19,725	26,607
Ferro-chrome .. .. .	7,849	10,077	14,343
Other ferro-alloys .. .. .	10,086	11,041	14,845
Iron and steel ingots .. .. .	5,458	5,990	6,034
Blooms, billets, slabs—			
Iron .. .. .	448	663	490
Steel .. .. .	330,734	260,920	453,135
Special steel .. .. .	2,220	2,714	3,251
Old and scrap .. .. .	347,464	437,549	1,087,576
Irish Free State—			
Pig-iron .. .. .	3,664	5,208	8,662
Crude iron and steel .. .. .	166	138	207
Old and scrap .. .. .	139	547	155
Anglo-Egyptian Sudan—			
Pig-iron .. .. .	(£253)	(£230)	(£393)
Bars and billets .. .. .	903	965	1,651
Mauritius—			
Pig-iron .. .. .	24	47	57
Crude steel .. .. .	2	—	5
Northern Rhodesia—			
Pig, ingots, etc. .. .. .	185	42	70
Southern Rhodesia—			
Pig, ingots, etc. .. .. .	179	438	426
South West Africa—			
Pig-iron .. .. .	2	10	18
Union of South Africa—			
Pig-iron and steel ingots .. .. .	16,233	9,516	9,670
Ferro-silicon .. .. .	903	265	1,152
Ferro-manganese .. .. .	390	1,907	2,510
Other ferro-alloys .. .. .	217	372	415
Tool steel .. .. .	377	434	542
British West Indies—			
Jamaica—			
Pig-iron .. .. .	(£115)	(£188)	(£296)
Trinidad and Tobago—			
Pig-iron .. .. .	(a)	70	4
Ingots, etc. .. .. .	(a)	6	4

(a) Information not available.

**IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)**

Importing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE (Cont.)</b>			
Canada—			
Pig-iron .. .. .	6,420	8,921	3,960
Sponge iron .. .. .	25	50	82
Ferro-alloys .. .. .	1,226	2,155	996
Ingots, blooms and billets ..	14,946	8,055	6,738
Scrap .. .. .	52,632	93,589	58,604
Newfoundland (years ended June 30)—			
Pig-iron and ferro-alloys .. ..	215	298	275
British India —			
Pig-iron .. .. .	1,749	1,619	1,590
Ingots, blooms and billets ..	1,631	21,069	24,065
Tool steel .. .. .	460	322	860
Ferro-alloys .. .. .	1,504	3,067	1,528
Old and scrap (total imports) ..	1,726	1,584	1,216
British Malaya (total imports)—			
Pig-iron .. .. .	3,883	3,689	5,470
Scrap .. .. .	1,121	1,357	2,878
Ceylon—			
Pig-iron .. .. .	663	435	615
Cyprus—			
Pig-iron .. .. .	53	145	118
Old and scrap .. .. .	2	—	80
Hong Kong (total imports)—			
Pig-iron .. .. .	1,631	3,356	1,924
Tool steel .. .. .	139	314	125
Old and scrap .. .. .	11,270	12,316	8,846
Palestine—			
Pig-iron .. .. .	2,214	2,998	1,080
Old and scrap .. .. .	274	58	—
Australia—			
Pig-iron .. .. .	1,005	567	564
Ferro-alloys .. .. .	11,489	14,736	11,493
Ingots and billets of high grade carbon alloy steels .. .. .	472	185	246
Ingots, blooms, billets, etc. ..	2,157	1,799	2,316
Scrap .. .. .	44	64	1,892
Fiji—			
Pig-iron and scrap .. .. .	—	100	—
New Zealand—			
Pig-iron .. .. .	} 3,762	{ 4,126	5,669
Billets and blooms .. .. .			2,611
<b>FOREIGN COUNTRIES</b>			
Austria—			
Pig-iron .. .. .	14,279	21,729	23,547
Ferro-chrome .. .. .	1,195	1,531	1,609

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
 ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Austria—(cont.)			
Ferro-manganese .. .. .	2,798	3,099	2,129
Ferro-molybdenum .. .. .	34	36	57
Ferro-silicon .. .. .	255	334	593
Ferro-tungsten .. .. .	363	228	418
Other ferro-alloys .. .. .	320	459	531
Iron ingots, blooms and bars .. .. .	—	138	555
Steel ingots, blooms and bars .. .. .	282	306	35
Old and scrap .. .. .	35,694	31,925	21,799
Belgium-Luxemburg E.U.—			
Pig-iron and ferro-alloys .. .. .	211,487	201,228	275,572
Crude iron ingots .. .. .	61	89	166
Steel ingots .. .. .	550	407	56
Steel blooms and billets .. .. .	20,683	23,471	41,317
Special steel .. .. .	1,372	1,537	2,165
Old and scrap .. .. .	140,069	64,169	104,910
Bulgaria—			
Pig-iron .. .. .	4,585	5,617	7,077
Old and scrap .. .. .	160	10	—
Czechoslovakia—			
Pig-iron—			
Foundry .. .. .	7,019	9,532	22,928
For refining or puddling .. .. .	4,208	1,509	1,373
Spiegeleisen .. .. .	300	150	449
Other ferro-alloys .. .. .	3,961	3,256	3,426
Steel ingots .. .. .	10	15	15
Billets of cast iron .. .. .	349	142	200
Billets, blooms, bars of puddled iron .. .. .	33	64	48
Old and scrap .. .. .	51,894	49,936	77,769
Denmark—			
Pig-iron .. .. .	49,623	52,124	56,285
Ferro-alloys .. .. .	508	529	549
Old and scrap .. .. .	254	198	413
Estonia—			
Pig-iron .. .. .	2,455	3,494	5,716
Crude iron and steel in ingots and bars .. .. .	38	81	74
Ferro-alloys .. .. .	8	—	10
Old and scrap .. .. .	220	—	221
Finland (total imports)—			
Pig-iron .. .. .	51,253	40,740	38,151
Ferro-manganese and spiegeleisen .. .. .	240	546	252
Other ferro-alloys .. .. .	317	210	43
Old, filings and scrap .. .. .	8,304	18,690	2,924



IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
France—			
Pig-iron—hematite .. ..	59,970	49,595	50,113
other .. .. .	4,282	5,877	15,251
Spiegeleisen .. .. .	1,029	2,981	1,932
Ferro-manganese .. .. .	28	81	395
Ferro-silicon .. .. .	821	451	523
Ferro-chrome .. .. .	148	122	19
Other ferro-alloys .. .. .	244	383	373
Ingots .. .. .	75	474	1
Blooms and billets, rolled or forged	8,303	3,061	3,098
Tool steel .. .. .	539	337	448
Machine iron or steel .. .. .	9,679	11,921	7,496
Other special steel .. .. .	1,863	2,407	2,339
Old, filings and scrap .. .. .	68,883	59,655	31,890
Germany—			
Pig-iron .. .. .	89,405	95,062	110,105
Ferro-manganese .. .. .	1,450	1,793	946
Ferro-silicon, etc. .. .. .	14,413	22,723	19,795
Other ferro-alloys .. .. .	5,933	9,107	5,468
Rough blooms, ingots, bars, etc. ..	109,637	56,776	47,440
Old and scrap .. .. .	492,961	272,489	326,627
Greece—			
Pig-iron .. .. .	5,566	7,744	6,225
Hungary—			
Pig-iron .. .. .	461	} 64,786	90,331
Ferro-alloys .. .. .	2,799		
Ingots and blooms .. .. .	41		
Tool and special steel .. .. .	777		
Old and scrap .. .. .	52,645		
Iceland—			
Pig-iron .. .. .	29	(a)	(a)
Italy—			
Pig-iron .. .. .	59,440	76,965	26,667
Spiegeleisen .. .. .	511	1	—
Ferro-chrome .. .. .	468	315	645
Ferro-manganese .. .. .	269	42	123
Other ferro-alloys .. .. .	370	341	617
Iron ingots .. .. .	—	—	63
Steel ingots .. .. .	8,247	7,749	1,504
Steel blooms and loops .. .. .	27,816	58,862	22,758
Old and scrap .. .. .	720,149	974,360	394,102

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
 ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Pig-iron .. .. .	9,940	9,884	13,964
Ingots .. .. .	2,014	1,558	2,123
Iron blooms and loops .. ..	10,876	5,033	4,983
Steel ingots .. .. .	1,187	1,355	1,120
Steel blooms and loops .. ..	31	8	14
Old, filings and scrap .. ..	9,638	7,709	2,957
Lithuania—			
Pig-iron .. .. .	1,608	2,699	2,117
Netherlands—			
Pig-iron and ferro-alloys .. ..	10,352	11,387	13,337
Ingots, blooms, billets, etc. ..	1,153	643	2,756
Old and scrap .. .. .	14,530	12,923	7,895
Norway—			
Pig-iron .. .. .	11,802	14,670	24,557
Ferro-tungsten and ferro-vanadium	60	19	29
Steel ingots .. .. .	733	1,375	508
Alloyed steel .. .. .	371	558	605
Old and scrap .. .. .	5,562	11,567	8,198
Poland—			
Pig-iron .. .. .	1,867	1,955	2,375
Ferro-manganese .. .. .	275	73	903
Ferro-silicon .. .. .	130	128	41
Ferro-chrome .. .. .	300	125	150
Other ferro-alloys .. .. .	518	1,025	1,014
Blooms and billets .. .. .	22,344	29,426	36,350
Old and scrap .. .. .	303,244	354,598	444,288
Portugal—			
Iron and steel ingots .. ..	10,041	12,566	11,624
Old and scrap .. .. .	263	1,751	294
Roumania—			
Pig-iron .. .. .	8,922	4,411	(a)
Ferro-alloys .. .. .	1,512	2,423	(a)
Ingots, blooms and billets .. ..	91,010	90,466	(a)
Tool steel .. .. .	386	487	(a)
Old and scrap .. .. .	27,560	26,687	(a)
Spain—			
Pig-iron .. .. .	939	748	(a)
Ferro-manganese .. .. .	66	30	(a)
Ferro-silicon .. .. .	21	16	(a)
Other ferro-alloys .. .. .	223	221	(a)
Ingots and blooms .. .. .	33	21	(a)
Tool steel .. .. .	746	962	(a)
Special alloy-steel .. .. .	354	505	(a)
Old and scrap .. .. .	104,869	141,549	(a)

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS  
 ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Pig-iron .. .. .	79,383	98,058	164,494
Spiegeleisen and ferro-manganese	6,047	6,272	4,442
Ferro-chrome .. .. .	1,629	1,481	1,446
Ferro-silicon and ferro-silico- manganese .. .. .	2,168	315	183
Ferro-tungsten .. .. .	—	65	37
Other ferro-alloys .. .. .	132	138	131
Steel ingots .. .. .	1	2	2
Tool steel .. .. .	49	101	109
Old, filings and scrap .. .. .	95,095	70,421	105,186
Switzerland—			
Pig-iron, steel billets, blooms, etc.	153,484	96,196	110,240
Ferro-chrome and ferro-silicon ..	1,655	1,645	1,889
Old, filings and scrap .. .. .	9,468	10,122	9,039
U.S.S.R. (Russia)—			
Ingots .. .. .	1,812	454	—
Ferro-manganese .. .. .	825	—	—
Ferro-chrome .. .. .	5,190	2,898	—
Ferro-molybdenum .. .. .	230	1,030	1,387
Ferro-silicon .. .. .	2,435	—	—
Ferro-titanium .. .. .	54	158	214
Ferro-tungsten .. .. .	1,682	1,878	848
Ferro-vanadium .. .. .	128	290	128
Other ferro-alloys .. .. .	—	5	—
Yugoslavia—			
Ferro-manganese .. .. .	831	544	807
Ferro-silicon .. .. .	103	164	99
Pig-iron and other ferro-alloys ..	3,367	4,408	5,733
Iron ingots, blooms and billets ..	5,408	9,054	12,101
Crude steel .. .. .	224	32	1,367
Special steel .. .. .	424	390	604
Old, filings and scrap .. .. .	16,281	32,015	42,419
Algeria—			
Pig-iron .. .. .	1,509	692	1,041
Spiegeleisen and ferro-alloys ..	44	33	(a)
Ingots, blooms and billets .. .. .	38	49	55
Tool and special steel .. .. .	198	85	123
Old, filings and scrap .. .. .	133	181	193

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Canary Islands (total imports)—			
Ingots and scrap .. .. .	35	(a)	(a)
Egypt—			
Pig-iron and spiegeleisen .. .. .	3,094	2,761	5,473
Ferro-alloys .. .. .	2	12	23
Ingots, billets, etc. .. .. .	104	93	92
Special steel .. .. .	370	325	265
Scrap (total imports) .. .. .	1,138	1,142	1,587
French Equatorial Africa—			
Steel ingots and billets .. .. .	74	262	(a)
Tool steel .. .. .	39	30	—
French West Africa—			
Steel ingots and billets .. .. .	101	299	—
Tool steel .. .. .	1	10	37
Madagascar—			
Pig-iron .. .. .	29	3	67
Blooms, billets, etc. .. .. .	3,566	3,260	3,912
Tool steel .. .. .	36	30	5
Morocco—			
Pig-iron .. .. .	300	208	172
Ferro-alloys .. .. .	1	1	—
Ingots .. .. .	9	—	—
Blooms and billets .. .. .	12,131	756	217
Tool steel .. .. .	97	136	123
Scrap .. .. .	188	54	167
Tunis—			
Pig-iron .. .. .	126	75	71
Steel ingots and billets .. .. .	1	1,554	17
Tool steel .. .. .	20	8	16
Old and scrap .. .. .	602	159	13,706
Cuba (total imports)—			
Iron ingots .. .. .	120	110	(a)
United States—			
Pig-iron .. .. .	114,489	130,940	165,808
Spiegeleisen .. .. .	21,234	32,384	52,011
Ferro-chrome .. .. .	110	61	112
Ferro-manganese .. .. .	23,349	27,240	37,953
Ferro-silicon .. .. .	6,537	5,274	3,840
Ferro-phosphorus .. .. .	33	—	525
Granular iron .. .. .	898	1,460	1,950

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States—(cont.)			
Bar-iron, slabs, blooms, etc. ..	805	1,855	1,423
Steel ingots, blooms, etc. ..	2,142	2,092	1,079
Scrap .. .. .	44,421	64,768	143,245
Mexico—			
Pig-iron .. .. .	249	510	201
Ingots .. .. .	395	239	100
Ferro-manganese .. .. .	557	689	59
Other ferro-alloys .. .. .	338	483	344
Steel ingots, blooms and billets ..	(a)	239	2,653
Scrap .. .. .	26,984	(a)	31,960
Argentina—			
Ingots .. .. .	20,917	25,073	26,700
Old and scrap .. .. .	49	34	49
Brazil (total imports)—			
Pig-iron .. .. .	712	492	1,232
Filings .. .. .	23	44	30
Chile—			
Ingots .. .. .	281	2,327	2,989
Ferro-alloys .. .. .	308	277	462
Old and scrap .. .. .	78	1,445	884
Colombia—			
Ingots and filings .. .. .	468	459	539
Peru—			
Pig-iron .. .. .	300	665	269
China—			
Pig-iron .. .. .	43,084	50,814	33,903
Ferro-manganese .. .. .	19	138	121
Ingots, blooms, billets, etc. ..	276	3,055	15,953
Tool and spring steel .. .. .	8,580	8,990	13,180
Old and scrap .. .. .	12,798	17,203	15,110
Formosa—			
Ingots, blooms and billets ..	4,757	6,450	(a)
French Indo-China—			
Pig-iron and ferro-alloys .. ..	998	1,140	1,436
Ingots, bars and billets .. ..	12,925	15,406	17,298
Machine iron or steel .. .. .	1,798	2,427	3,485
Tool steel .. .. .	100	139	60
Old, filings and scrap .. .. .	30	97	28

(a) Information not available.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS,  
ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Iran (Persia) (b)—			
Ingots, old and scrap .. ..	224	1,312	101
Japan (total imports)—			
Pig-iron .. .. .	604,694	946,722	956,617
Ferro-manganese .. .. .	2	5	6
Other ferro-alloys .. .. .	130	234	41
Ingots, blooms, and billets ..	27,309	62,715	71,714
Special steel .. .. .	6,966	9,920	9,542
Sheet bars .. .. .	60,424	160,521	132,386
Other iron in ingots, etc. ..	149	770	334
Old and scrap .. .. .	1,390,672	1,665,423	1,473,400
Korea (total imports)—			
Pig-iron .. .. .	9,477	9,826	12,621
Old and scrap .. .. .	27,829	41,799	12,738
“Manchoukuo”—			
Pig-iron .. .. .	610	4,004	3,788
Ferro-manganese .. .. .	(a)	2,035	295
Tool steel .. .. .	3,025	3,401	3,100
Old and scrap .. .. .	(a)	688	2,713
Netherlands East Indies—			
Iron ingots .. .. .	1,717	2,003	3,163
Old and scrap .. .. .	771	41	108
Philippine Islands—			
Pig-iron .. .. .	791	803	1,060
Siam—			
Pig-iron .. .. .	1,105	1,983	2,025
Syria and Lebanon—			
Pig-iron .. .. .	39	104	178
Steel ingots, blooms and bars ..	149	447	149
Old and scrap .. .. .	62	16	91
Turkey—			
Iron ingots and blocks .. ..	1,795	5,087	5,206
Steel ingots and blocks .. ..	397	35	10
Old and scrap .. .. .	56	201	125

(a) Information not available.

(b) Years ended June 21 ; total imports.

**LEAD**

## PRODUCTION OF LEAD ORE

*(In terms of metal)**(Long tons)*

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	53,816	41,230	30,493
Nigeria .. .. .	440	690	830
Northern Rhodesia .. .. .	(a)	5,867	7,080
Union of South Africa .. .. .	71	5	6
Canada (b) .. .. .	154,588	151,386	171,063
Newfoundland .. .. .	37,227	35,010	30,937
Federated Malay States .. .. .	—	23	2
India .. .. .	88,800	89,400	90,900
Australia .. .. .	229,825	221,793	223,749
Total ..	570,000	545,000	555,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	5,183	5,498	5,846
Bulgaria .. .. .	452	505	60
Czechoslovakia .. .. .	3,428	3,786	3,881
Finland .. .. .	246	337	367
France .. .. .	876	3,287	3,100
Germany .. .. .	57,995	59,701	61,000
Greece .. .. .	14,900	6,200	(a)
Italy .. .. .	19,217	21,600	30,000
Norway .. .. .	492	325	435
Poland .. .. .	6,000	8,000	7,000
Portugal .. .. .	3	—	3
Roumania .. .. .	2,729	3,068	3,600
Spain (smelter) .. .. .	71,011	61,751	(c)40,000
Sweden .. .. .	8,118	8,727	9,518
U.S.S.R. (Russia) (smelter) .. .. .	26,722	36,000	50,000

(a) Information not available.

(b) Amount estimated as recoverable.

(c) Estimated.

PRODUCTION OF LEAD ORE (*Cont.*)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Yugoslavia .. .. .	69,062	67,000	73,600
Algeria .. .. .	630	300	2,122
Morocco (French) .. .. .	192	118	6,000
Tunis .. .. .	5,100	5,546	9,600
Guatemala (estimated) .. .. .	30	40	40
Mexico ( <i>b</i> ) .. .. .	163,706	181,284	212,317
United States ( <i>b</i> ) .. .. .	256,636	295,628	333,916
Argentina .. .. .	2,798	2,494	6,741
Bolivia (exports) .. .. .	11,023	9,588	14,288
Chile .. .. .	109	101	( <i>a</i> )
Peru .. .. .	8,959	28,094	( <i>a</i> )
China .. .. .	3,900	4,000	4,000
French Indo-China .. .. .	7	—	31
Japan (smelter) .. .. .	6,928	7,325	8,094
Korea (smelter) .. .. .	1,777	1,701	( <i>a</i> )
Turkey .. .. .	4,931	2,600	5,286
Total ..	750,000	820,000	930,000
WORLD'S TOTAL ..	1,320,000	1,370,000	1,490,000

(*a*) Information not available.

(*b*) Amount estimated as recoverable.



METAL PRODUCTION OF LEAD  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	9,000	22,000	13,600
Northern Rhodesia .. .. .	184	182	300
Canada .. .. .	140,383	146,212	162,254
India .. .. .	71,815	72,060	73,155
Australia (d) .. .. .	196,005	217,934	192,954
Total ..	417,000	458,000	442,000
FOREIGN COUNTRIES			
Austria .. .. .	5,540	7,921	8,594
Belgium (b) .. .. .	73,569	67,891	70,000
Czechoslovakia .. .. .	4,002	4,729	4,740
France .. .. .	30,651	14,345	14,300
Germany (c) .. .. .	122,022	126,247	140,000
Greece .. .. .	8,758	5,168	4,700
Hungary .. .. .	41	13	(a)
Italy .. .. .	47,087	41,879	41,012
Norway .. .. .	328	568	223
Poland .. .. .	10,187	18,522	14,784
Portugal .. .. .	53	—	—
Roumania .. .. .	4,238	4,485	4,707
Spain .. .. .	71,011	61,751	45,000

(a) Information not available.

(b) Includes base bullion as follows:—

1934	7,972 long tons.
1935	1,978 „ „

(c) Includes some secondary. Figures as published by *Metallgesellschaft*, which exclude secondary, are—

1934	118,000 long tons.
1935	120,400 „ „
1936	136,800 „ „

(d) Includes base bullion as follows—

1934	35,804 long tons.
1935	36,723 „ „
1936	33,450 „ „

## METAL PRODUCTION OF LEAD (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia) .. .. .	26,722	36,000	50,000
Yugoslavia .. .. .	9,649	7,822	5,712
Tunis .. .. .	26,880	24,989	20,715
Mexico .. .. .	168,000	170,886	199,782
United States.. .. .	276,859	289,432	356,338
Argentina .. .. .	4,967	4,038	10,500
Peru .. .. .	1,959	7,560	8,600
China .. .. .	1,639	—	(a)
French Indo-China .. .. .	15	18	12
Japan .. .. .	6,928	7,325	8,094
Korea .. .. .	1,777	1,701	(a)
Total .. .. .	900,000	900,000	1,010,000
WORLD'S TOTAL .. .. .	1,320,000	1,360,000	1,450,000

(a) Information not available.

## EXPORTS OF LEAD, ETC.

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	45,160	17,077	26,139
Pig-lead .. .. .	4,274	3,767	2,965
Sheets and pipes .. .. .	5,938	5,587	5,113
White lead .. .. .	5,104	5,926	5,551
Litharge, red lead, etc. .. .. .	7,533	8,398	8,073
Irish Free State—			
Ore .. .. .	104	241	387
Nigeria—			
Ore .. .. .	675	1,058	1,205
South West Africa—			
Copper-lead ore .. .. .	—	4,846	—
Pig-lead .. .. .	—	—	604
Union of South Africa—			
Pig, ingot and sheets .. .. .	—	8	20
Pipes, etc. .. .. .	(£58)	(£449)	(£601)
Canada—			
Ore ( <i>Pb content</i> ) .. .. .	10,556	5,047	4,194
Pig-lead, etc. .. .. .	126,410	126,301	143,460
White lead .. .. .	75	97	283
Newfoundland (years ended June 30)—			
Concentrates .. .. .	43,945	43,005	44,558
British India—			
Pig-lead .. .. .	60,228	66,262	69,990
British Malaya (including re-exports)—			
Pig-lead .. .. .	110	111	73
Sheets and pipes .. .. .	4	4	2
Hong Kong (including re-exports)—			
Pig-lead .. .. .	408	127	129
Australia—			
Ores and concentrates ( <i>Pb content</i> )	22,425	16,512	22,593
Pig-lead .. .. .	178,758	191,302	174,050
Sheets and pipes .. .. .	238	583	509
White lead .. .. .	389	469	400

## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Pig-lead, scrap and alloys .. .. .	3,129	4,352	4,229
Bars, sheets, rods, etc. .. .. .	142	126	103
Red and white lead, etc. .. .. .	957	824	786
Belgium-Luxemburg E.U.—			
Ore .. .. .	76	243	163
Pig-lead and scrap .. .. .	43,640	45,005	57,155
Sheets, bars, pipes and wire .. .. .	9,142	8,737	7,809
Red and white lead, etc. .. .. .	3,655	4,043	4,300
Czechoslovakia—			
Pig-lead, ashes, scrap and alloys.. .. .	1,483	149	26
Sheets, pipes, etc. .. .. .	6	4	8
Red and white lead, etc. .. .. .	30	1	—
Denmark—			
Pig-lead, scrap and alloys .. .. .	717	711	829
Sheets and pipes .. .. .	74	418	59
France—			
Ore, matte and slag .. .. .	6,927	7,893	9,426
Pig-lead, including argentiferous and antimonial .. .. .	704	810	550
Scrap .. .. .	521	—	56
Sheets, etc. .. .. .	924	649	530
Red and white lead, etc. .. .. .	1,414	910	1,170
Germany—			
Ore .. .. .	4,473	8,589	—
Pig-lead, alloys and scrap .. .. .	8,666	4,384	1,142
Sheets, pipes, wire, etc. .. .. .	3,294	3,663	2,877
Red and white lead .. .. .	8,351	9,587	10,338
Greece—			
Argentiferous lead.. .. .	900	—	—
Pig-lead .. .. .	7,260	1,782	2,570
Hungary—			
Pig-lead and scrap .. .. .	100	32	108
Bars, sheets, pipes and wire .. .. .	7	4	4
Red and white lead, etc. .. .. .	2	4	16
Italy—			
Ore .. .. .	2,236	3,379	4,585
Pig-lead, scrap and alloys .. .. .	51	44	304
Sheets, pipes, wire and alloys .. .. .	111	195	178
Red and white lead .. .. .	2,427	2,292	1,199
Latvia—			
Red and white lead, etc. .. .. .	738	615	706

## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Pig-lead and scrap .. ..	27	47	8
Netherlands—			
Pig-lead and scrap .. ..	1,436	3,251	3,178
Sheets and wire .. ..	214	541	1,256
Red and white lead .. ..	360	401	519
Norway—			
Ore .. ..	1,242	331	584
Pig-lead, ashes and scrap .. ..	577	1,190	607
Sheets, tubes and wire .. ..	41	41	51
Poland—			
Ore and slag .. ..	418	36	122
Pig-lead, bars and scrap .. ..	670	1,882	1,776
Sheets, tubes and wire .. ..	32	—	—
Red and white lead, etc. .. ..	295	207	133
Portugal—			
Ore .. ..	4	—	5
Spain—			
Galena—non-argentiferous .. ..	355	475	(a)
Other ores .. ..	630	295	(a)
Pig-lead and scrap .. ..	56,184	42,574	(a)
Sheets, pipes and wire .. ..	1,948	1,068	(a)
Sweden—			
Ore .. ..	13,747	16,012	16,146
Pig-lead and scrap .. ..	2,029	2,216	1,992
Sheets and pipes .. ..	17	10	14
Red and white lead, etc. .. ..	10	39	34
Switzerland—			
Ores, etc. .. ..	625	1,289	909
Pig-lead, scrap, etc. .. ..	633	594	765
Sheets and pipes .. ..	102	64	111
U.S.S.R. (Russia)—			
Pig-lead, sheets and scrap .. ..	120	97	18
Yugoslavia—			
Ore .. ..	69,934	73,721	69,648
Pig-lead .. ..	8,899	6,675	3,641
Algeria—			
Ore .. ..	210	1,735	5,887
Pig-lead and scrap .. ..	416	752	774
Red and white lead .. ..	6	4	8

(a) Information not available.

## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Morocco—			
Ore, matte and slag .. ..	—	119	6,230
Scrap .. ..	107	154	276
Spanish Morocco (Melilla) (including re-exports) —			
Pig-lead and scrap .. ..	75	(a)	(a)
Tunis (including re-exports)—			
Ore .. ..	80	634	334
Pig-lead and bars .. ..	20,320	24,735	21,080
Mexico—			
Ores, etc. ( <i>Pb content</i> ) .. ..	2,777	4,667	13,853
Pig-lead, refined .. ..	174,569	220,906	184,462
Base bullion .. ..	858	1,531	—
Pig-lead, antimonial ( <i>Pb content</i> ) .. ..	146	562	2,251
United States—			
Pig-lead, bars, etc. .. ..	5,273	6,228	16,351
Sheets and pipes .. ..	159	337	317
Red and white lead, etc. .. ..	2,927	3,899	3,623
Argentina—			
Ore .. ..	39	—	1,042
Ingots, bars and sheets .. ..	24	3	1
Bolivia—			
Ore ( <i>Pb content</i> ) .. ..	11,023	9,588	14,288
Brazil—			
Ore .. ..	118	(a)	143
Chile—			
Ores and concentrates .. ..	440	160	672
Peru—			
Ore and concentrates ( <i>Pb content</i> ) .. ..	7,183	11,280	20,164
Pig-lead and scrap ( <i>do.</i> ) .. ..	1,652	6,220	8,677
China—			
Ore .. ..	—	76	—
Pig-lead .. ..	130	164	333
Red and white lead, etc. .. ..	15	12	19
Formosa—			
Tea-lead .. ..	6	4	(a)
Japan—			
Sheets and plates .. ..	(a)	459	850
Tubes .. ..	2,049	1,395	1,430
Red lead .. ..	2,869	2,918	2,469

(a) Information not available.

## EXPORTS OF LEAD, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Korea—			
Pig-lead .. .. .	1,049	1,597	2,397
“ Manchoukuo ”—			
Ore .. .. .	1,125	66	1,178
Netherlands East Indies—			
Scrap .. .. .	40	267	594
Turkey—			
Ore .. .. .	9,791	2,067	8,515

## IMPORTS OF LEAD, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates .. .. .	131	20	34
Pig-lead .. .. .	308,209	293,460	331,715
Sheets and pipes .. .. .	3,311	2,872	3,154
White lead .. .. .	5,073	5,634	5,645
Litharge, red lead, etc. .. .. .	2,830	3,120	3,558
Irish Free State—			
Pig-lead .. .. .	2,195	1,524	} 2,705
Sheets and pipes .. .. .	935	825	
Red and white lead, etc. .. .. .	803	891	
Gambia—			
Sheets and bars .. .. .	(£5)	3	—
Kenya and Uganda—			
Bars and sheets .. .. .	31	23	22
Mauritius—			
Sheets and pipes .. .. .	14	12	19
Nigeria—			
Ore .. .. .	10	14	16
Bars and sheets .. .. .	81	104	110
Northern Rhodesia—			
Sheets and foil .. .. .	112	4	28
Sierra Leone—			
Bars and sheets .. .. .	6	11	14
Southern Rhodesia—			
Pig-lead, bars, sheets and foil .. .. .	17	60	36
Red and white lead, etc. .. .. .	62	87	59
South West Africa—			
Bars, sheets and pipes .. .. .	9	15	8
Red and white lead, etc. .. .. .	6	8	11
Tanganyika Territory—			
Bars and sheets .. .. .	12	1	3
Union of South Africa—			
Pig-lead, bars, sheets and pipes .. .. .	2,595	2,953	2,410
Foil .. .. .	17	30	35
Red and white lead, etc. .. .. .	1,584	1,982	1,962



## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
British West Indies—			
Jamaica—			
Pig-lead, etc.	(£1,325)	(£111)	(£453)
Trinidad and Tobago—			
Pig-lead .. .. .	(a)	6	20
White-lead .. .. .	(a)	22	28
Canada—			
Pig-lead and scrap .. .. .	46	49	27
Bars, sheets and pipes .. .. .	30	34	27
White lead, red lead and litharge	1,076	1,062	916
Newfoundland (years ended			
June 30)—			
Bars and sheets .. .. .	(£558)	(£443)	(£645)
British India—			
Ore .. .. .	252	180	306
Pig-lead, bars, etc. .. .. .	222	182	122
Sheets, pipes and tubes .. .. .	994	1,160	1,135
Tea lead .. .. .	28	20	3
Litharge, red and white lead, etc.	2,705	2,916	2,440
British Malaya (total imports)—			
Pig-lead .. .. .	178	314	385
Pipes and sheets .. .. .	64	109	82
Ceylon—			
Pig-lead .. .. .	1,539	1,429	1,738
Sheets and pipes .. .. .	39	40	48
Tea-lead .. .. .	510	333	5
Cyprus—			
Sheets and pipes .. .. .	39	13	11
Hong Kong (total imports)—			
Pig-lead .. .. .	2,291	1,154	837
Palestine—			
Pig-lead, sheets, pipes, etc. ..	373	378	260
Australia—			
Sheets and pipes .. .. .	78	60	63
White lead and lead acetate ..	16	43	56
Fiji—			
Pig-lead and sheet .. .. .	11	25	10
New Zealand—			
Pig-lead and bars .. .. .	1,231	1,611	1,829
Sheets and pipes .. .. .	101	459	499
White lead .. .. .	1,110	1,541	1,169

(a) Information not available.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	—	3,561	5,651
Pig-lead, scrap and alloys ..	604	345	109
Bars, sheets, rods, etc. ..	6	8	4
Red and white lead, etc. ..	6	4	2
Belgium-Luxemburg E.U.—			
Ore .. .. .	95,926	84,091	98,308
Pig-lead and scrap .. ..	19,879	26,730	36,718
Sheets, bars, pipes and wire ..	34	31	15
Red and white lead, etc. ..	766	690	751
Bulgaria—			
Pig-lead, sheets, scrap, etc. ..	350	939	645
Tubes, wire, etc. .. ..	1	114	3
Red and white lead, etc. ..	45	86	85
Czechoslovakia—			
Pig-lead, ashes, scrap and alloys..	7,425	10,866	10,024
Sheets, plates, pipes, wire, etc. ..	2	2	3
Red and white lead, etc. ..	161	247	368
Denmark—			
Pig-lead and scrap .. ..	7,926	9,513	6,816
Sheets and pipes .. ..	335	370	395
Red and white lead .. ..	801	872	840
Estonia—			
Pig-lead and bars .. ..	184	174	207
Sheets, pipes and wire .. ..	18	21	34
Red and white lead, etc. ..	138	172	481
Finland (total imports)—			
Pig-lead and scrap .. ..	1,952	2,194	2,283
Sheets, pipes, wire, etc. ..	953	1,366	828
Red and white lead, etc. ..	626	859	699
France—			
Ore, matte and slag .. ..	25,306	6,610	39,808
Pig-lead, including argentiferous and antimonial .. ..	98,789	85,294	85,062
Scrap .. .. .	838	1,224	1,132
Sheets, etc. .. ..	406	287	244
Red and white lead, etc. ..	1,779	1,324	1,195
Germany—			
Ore .. .. .	80,736	82,655	97,729
Pig-lead, scrap and alloys ..	47,788	53,604	67,807
Sheets, pipes, wire, etc. ..	124	20	45
Red and white lead, etc. ..	558	485	429
Greece—			
Lead .. .. .	436	232	11

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Pig-lead and scrap .. .. .	6,196	6,032	4,823
Bars, sheets, pipes and wire .. .. .	3	5	8
Red and white lead, etc. .. .. .	75	35	23
Iceland—			
Pig-lead, etc. .. .. .	18	(a)	(a)
Red and white lead .. .. .	24	(a)	(a)
Italy—			
Ore .. .. .	36,776	19,862	21,230
Pig-lead, scrap and alloys .. .. .	5,985	29,837	8,232
Sheets, pipes, wire and alloys .. .. .	28	8	171
Red and white lead .. .. .	599	920	96
Latvia—			
Pig-lead and scrap .. .. .	1,453	1,926	1,303
Sheets, tubes and wire .. .. .	49	68	245
Lithuania—			
Pig-lead, sheets, wire and scrap .. .. .	226	89	274
Red and white lead, etc. .. .. .	54	65	106
Netherlands—			
Ore .. .. .	275	281	202
Pig-lead and scrap .. .. .	23,896	19,092	21,208
Sheets and wire .. .. .	3,173	2,702	1,032
Red and white lead .. .. .	4,165	4,659	3,858
Norway—			
Pig-lead .. .. .	3,166	3,659	3,308
Bars, sheets and tubes .. .. .	656	630	811
Red and white lead .. .. .	701	773	726
Poland—			
Ore and slag .. .. .	592	9,327	272
Pig-lead, bars and scrap .. .. .	26	26	82
Sheets, tubes and wire .. .. .	9	7	10
Red and white lead, etc. .. .. .	254	269	355
Portugal—			
Pig-lead, alloys, etc. .. .. .	2,069	2,215	1,922
Red and white lead .. .. .	371	431	352
Roumania—			
Pig-lead .. .. .	154	50	(a)
Bars, sheets, pipes and wire .. .. .	34	11	(a)
Red and white lead, etc. .. .. .	333	175	(a)

(a) Information not available.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Spain—			
Ores. . . . .	171	92	(a)
Pig-lead and scrap . . . . .	119	77	(a)
Sheets, pipes and wire . . . . .	26	23	(a)
Sweden—			
Pig-lead and scrap . . . . .	13,787	16,420	16,849
Sheets and pipes . . . . .	2,351	2,777	2,607
Red and white lead, etc. . . . .	2,588	2,986	2,673
Switzerland—			
Ores, etc. . . . .	39	12	—
Pig-lead, scrap, etc. . . . .	14,965	12,584	7,689
Sheets, pipes, wire, etc. . . . .	721	575	533
Red and white lead, etc. . . . .	339	431	362
U.S.S.R. (Russia)—			
Pig-lead, sheets and scrap . . . . .	18,436	30,411	29,194
Red lead, etc. . . . .	6	268	—
Yugoslavia—			
Pig-lead and scrap . . . . .	17	29	33
Sheets, bars, rods and wire . . . . .	12	7	66
Red and white lead, etc. . . . .	287	361	348
Algeria—			
Ore and matte . . . . .	37	164	3,898
Pig-lead, bars, sheets, etc. . . . .	2,445	1,842	2,147
Red and white lead, etc. . . . .	138	111	121
Belgian Congo—			
Pig-lead . . . . .	4	2	3
Canary Islands (b)—			
Pig-lead, sheets, tubes, etc. . . . .	44	(a)	(a)
Egypt—			
Pig-lead and scrap . . . . .	780	256	252
Sheets, pipes, wire, etc. . . . .	566	492	537
Red and white lead . . . . .	428	333	397
Madagascar—			
Pig-lead, bars and sheets . . . . .	50	35	66
Red and white lead . . . . .	56	37	65
Morocco (French)—			
Ore . . . . .	49	21	1
Pig-lead, sheets and wire . . . . .	272	122	120
Red and white lead, etc. . . . .	60	78	58
Mozambique—			
Bars and sheets . . . . .	9	9	19

(a) Information not available.

(b) Total imports.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Spanish Morocco (b)—			
Ceuta and Melilla—			
Sheets, pipes and wire ..	64	(a)	(a)
Tunis—			
Ore, matte and slag .. ..	25,866	33,418	8,692
Pig-lead, bars and scrap .. ..	78	145	59
Sheets, etc. .. ..	56	40	94
Red and white lead, etc. .. ..	51	41	40
Cuba (total imports)—			
Pig-lead .. ..	18	23	(a)
Sheets, pipes and wire .. ..	46	59	(a)
Mexico—			
Pig-lead .. ..	44	36	(a)
Sheets and pipes .. ..	31	51	91
United States—			
Ore and matte ( <i>Pb content</i> ) ..	13,312	10,688	} 11,959
Bullion and base bullion ( <i>Pb content</i> ) .. ..	3,245	2,051	
Pig-lead, bars and scrap ( <i>Pb content</i> ) .. ..	252	1,420	(c)2,071
Sheets, pipes, wire, etc. .. ..	255	361	271
Red and white lead, etc. .. ..	19	8	35
Argentina—			
Ore .. ..	1,579	2,948	5,272
Pig-lead and sheets .. ..	398	360	443
Red and white lead .. ..	590	638	651
Brazil (total imports)—			
Pig-lead, sheets and pipes ..	8,272	7,879	8,367
Red and white lead .. ..	365	451	543
Chile—			
Pig-lead .. ..	580	3,175	1,381
Bars and sheets .. ..	44	80	159
Red and white lead .. ..	31	13	19
Colombia—			
Ingots, bars, tubes and alloys ..	128	252	216
Red and white lead .. ..	81	14	72
Peru—			
Pig-lead, sheets, etc. .. ..	57	65	51
Venezuela—			
Pig-lead .. ..	5	16	(a)
Red and white lead .. ..	35	27	(a)

(a) Information not available.

(b) Total imports.

(c) Gross weight.

## IMPORTS OF LEAD, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
China—			
Pig-lead .. .. .	4,499	3,971	2,918
Scrap .. .. .	641	656	591
Sheets .. .. .	234	272	225
Pipes .. .. .	58	49	70
Red and white lead, etc. .. ..	940	975	638
Formosa—			
Pig-lead .. .. .	1	2	(a)
Pipes and tubes .. .. .	501	591	(a)
French Indo-China—			
Pig-lead and scrap .. .. .	145	149	352
Sheets, etc. .. .. .	27	31	54
Red and white lead .. .. .	127	134	153
Iran (Persia) (total imports) (b)—			
Ingots, sheets and wire .. ..	16	79	136
Iraq—			
Pig-lead, tubes, wire, etc. ..	82	187	97
Japan (total imports)—			
Pig-lead .. .. .	93,074	88,782	94,397
Tea-lead .. .. .	—	75	26
Korea (total imports)—			
Pig-lead .. .. .	33	5	14
Pipes .. .. .	570	773	561
“Manchoukuo”—			
Pig-lead .. .. .	1,259	1,664	1,762
Red and white lead, etc. .. ..	354	377	370
Netherlands East Indies—			
Pig-lead, scrap and alloys .. ..	270	337	228
Sheets, etc. and alloys .. .. .	198	345	358
Tea-lead .. .. .	218	182	187
Red and white lead .. .. .	819	858	879
Philippine Islands—			
Pig-lead and sheets .. .. .	596	558	571
Red and white lead .. .. .	245	300	324
Siam (total imports)—			
Pig-lead .. .. .	144	180	131
Syria and Lebanon—			
Ingots and sheets .. .. .	128	77	74
Pipes .. .. .	94	104	19
Red and white lead .. .. .	45	49	53
Turkey—			
Pig-lead, scrap and alloys .. ..	911	1,100	399
Sheets, tubes, wire and alloys ..	335	171	144

(a) Information not available.

(b) Years ended June 21.

## MAGNESITE

### PRODUCTION OF MAGNESITE

(Long tons)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
Union of South Africa—			
Crude .. .. .	1,641	1,462	1,667
Canada—			
Crude .. .. .	26,953	26,700	(a)
India—			
Crude .. .. .	14,975	16,984	15,468
Australia—			
Crude .. .. .	15,923	16,071	17,615
FOREIGN COUNTRIES			
Austria—			
Crude .. .. .	254,301	295,569	391,494
Caustic (c) .. .. .	26,736	43,042	57,621
Dead-burnt (c) .. .. .	64,010	93,029	97,025
Bricks (c) .. .. .	28,328	38,172	42,015
Czechoslovakia—			
Crude (b) .. .. .	8,698	9,317	8,545
Calcined (b) .. .. .	23,151	28,763	34,957
Greece—			
Crude .. .. .	69,276	92,085	118,000
Caustic (c) .. .. .	13,943	18,807	(a)
Dead-burnt (c) .. .. .	5,888	6,162	(a)
Italy—			
Crude .. .. .	1,083	1,231	3,105
Calcined (c) .. .. .	—	653	—
Germany (Prussia)—			
Crude .. .. .	10,836	13,600	14,789

(a) Information not available.

(b) Exports less imports.

(c) Derived from crude shown, and *not* additional.

(d) Production recorded by value only (£154,583).

PRODUCTION OF MAGNESITE (*Cont.*)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Norway—			
Crude .. .. .	2,461	2,486	3,067
Calcined (c) .. .. .	659	603	544
Bricks (c) .. .. .	660	787	607
U.S.S.R. (Russia)—			
Crude .. .. .	474,000	(a)	(a)
Yugoslavia (Serbia only)—			
Crude .. .. .	24,690	29,286	38,392
Calcined .. .. .	9,611	11,475	13,910
United States—			
Crude .. .. .	90,154	158,173	184,928
Caustic (sales) (c) .. .. .	3,670	5,401	7,141
Dead-burnt (sales) (c) .. .. .	37,458	64,677	80,338
Korea—			
Crude .. .. .	3,118	2,372	(b) 6,809
“ Manchoukuo ”—			
Crude .. .. .	71,000	154,000	203,000
Turkey—			
Crude .. .. .	618	1,075	2,247

(a) Information not available.

(b) Exports.

(c) Derived from crude shown, and *not* additional.



## EXPORTS OF MAGNESITE, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936	1937
BRITISH EMPIRE				
United Kingdom—				
Magnesium and alloys .. ..	4	66	65	
Magnesium compounds .. ..	5,015	5,469	5,367	
Canada—				
Calcined and dead-burnt .. ..	1,783	1,408	2,614	
British India—				
Magnesite .. .. .	3,293	4,084	4,768	
Chloride .. .. .	1,076	1,212	954	
FOREIGN COUNTRIES				
Austria—				
Crude .. .. .	19,125	7,056	9,058	
Caustic .. .. .	30,778	33,775	43,274	
Dead-burnt .. .. .	36,000	54,251	62,934	
Bricks .. .. .	25,861	35,392	38,643	
Chloride .. .. .	31	9	12	
Belgium-Luxemburg E.U.—				
Crude .. .. .	3	1	11	
Calcined .. .. .	80	95	249	
Magnesium .. .. .	—	—	19	
Carbonate .. .. .	6	13	13	
Chloride .. .. .	56	66	4	
Sulphate .. .. .	46	80	74	
Czechoslovakia—				
Crude .. .. .	8,708	9,388	8,545	12,055
Calcined .. .. .	24,247	29,823	36,857	37,825
Chloride, oxide and sulphate .. ..	3	3	2	
France—				
Magnesium compounds .. ..	916	3,311	4,440	
Germany—				
Calcined .. .. .	2,320	2,323	1,789	
Carbonate, etc. .. .. .	639	875	1,101	
Chloride .. .. .	17,186	16,953	14,610	
Sulphate .. .. .	55,502	50,680	52,750	
Greece—				
Crude .. .. .	19,976	32,974	44,841	
Caustic .. .. .	14,730	22,149	23,340	
Dead-burnt .. .. .	8,858	9,046	11,796	

## EXPORTS OF MAGNESITE, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Crude .. .. .	(a)	—	20
Caustic, impure .. .. .	227	192	40
do. pure .. .. .	226	236	149
Carbonate .. .. .	145	159	78
Chloride and sulphate .. .. .	18	31	18
Netherlands—			
Crude .. .. .	172	42	48
Oxide .. .. .	10,302	9,804	10,422
Sulphate .. .. .	54	72	38
Spain—			
Chloride and sulphate .. .. .	316	75	(a)
Sweden—			
Crude and calcined .. .. .	5	—	2
Switzerland—			
Calcined .. .. .	70	5	5
U.S.S.R. (Russia)—			
Crude .. .. .	513	17	554
Calcined .. .. .	10,405	15,332	2,507
Yugoslavia—			
Crude .. .. .	1,191	1,867	1,706
Calcined .. .. .	8,326	11,120	13,239
United States—			
Oxide and manufactures .. .. .	1,140	823	938
Japan—			
Carbonate .. .. .	(a)	1,734	2,422
Korea—			
Crude .. .. .	(a)	2,815	6,809
“Manchoukuo”—			
Crude and ground .. .. .	51,225	75,243	108,535
Turkey—			
Crude .. .. .	2	492	924
Calcined .. .. .	259	247	59

(a) Information not available.

## IMPORTS OF MAGNESITE, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Crude and calcined .. ..	27,691	29,733	38,534
Magnesium and alloys .. ..	978	1,383	2,403
Chloride .. ..	5,078	5,766	6,039
Other salts .. ..	17,267	18,463	17,835
Irish Free State—			
Compounds .. ..	395	417	(a)
Union of South Africa—			
Carbonate and sulphate .. ..	590	729	828
Chloride .. ..	160	258	139
Canada—			
Crude and calcined .. ..	422	683	1,056
Oxide .. ..	174	123	166
Carbonate .. ..	417	491	453
Sulphate .. ..	2,053	1,645	1,598
Bricks .. ..	(£79,446)	(£78,030)	(£114,331)
British India—			
Chloride .. ..	757	708	675
Sulphate .. ..	594	510	602
Other salts .. ..	446	1,141	1,382
Palestine—			
Sulphate .. ..	34	42	(a)
Australia—			
Oxide .. ..	63	84	141
Carbonate .. ..	724	190	148
Chloride .. ..	155	219	444
Sulphate .. ..	523	1,675	1,697
New Zealand—			
Sulphate .. ..	266	327	328
FOREIGN COUNTRIES			
Austria—			
Caustic .. ..	68	42	40
Carbonate .. ..	139	133	157
Chloride .. ..	632	784	638
Sulphates .. ..	1,591	1,834	1,979

(a) Information not available.

## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Crude .. .. .	84	130	789
Calcined .. .. .	909	988	3,876
Magnesium .. .. .	3	1	24
Carbonate .. .. .	135	150	124
Chloride .. .. .	1,276	1,294	565
Sulphate .. .. .	3,337	4,149	1,674
Bulgaria—			
Crude .. .. .	74	51	107
Sulphate .. .. .	61	80	84
Czechoslovakia—			
Crude .. .. .	10	71	—
Calcined .. .. .	1,096	1,060	1,900
Chloride .. .. .	2,088	1,849	1,623
Oxide, impure .. .. .	1,568	1,423	1,532
Sulphate .. .. .	—	2	553
Denmark—			
Crude .. .. .	436	449	607
Chloride .. .. .	388	427	382
Oxide .. .. .	70	58	82
Sulphate .. .. .	349	330	474
Estonia—			
Ground and calcined .. .. .	67	54	59
Chloride and sulphate .. .. .	115	100	89
Finland (total imports)—			
Magnesite and witherite .. .. .	806	1,164	1,200
Calcined .. .. .	12	7	9
Carbonate .. .. .	194	251	210
Chloride .. .. .	437	609	478
Sulphate .. .. .	151	201	48
France—			
Crude .. .. .	2,494	4,758	4,100
Calcined .. .. .	11,504	11,833	12,223
Magnesium .. .. .	5	20	19
Carbonate .. .. .	719	865	1,192
Chloride .. .. .	775	434	359
Sulphate .. .. .	945	973	966
Germany—			
Crude .. .. .	30,985	30,022	55,074
Caustic .. .. .	39,062	53,994	62,757
Dead-burnt .. .. .	21,317	27,091	30,606
Hungary—			
Crude and calcined .. .. .	7,885	11,515	9,579
Oxide .. .. .	38	40	36
Sulphate .. .. .	75	74	74

1937

45  
2,360

## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Crude .. .. .	(a)	2,478	—
Caustic, impure .. .. .	3,659	5,689	4,176
do. pure .. .. .	1	—	—
Carbonate .. .. .	22	2	20
Chloride .. .. .	292	559	233
Sulphate .. .. .	4	14	—
Latvia—			
Crude and calcined .. .. .	121	150	149
Carbonate .. .. .	13	15	16
Chloride .. .. .	120	136	137
Sulphate .. .. .	66	84	56
Lithuania—			
Crude and calcined .. .. .	88	85	97
Netherlands—			
Crude .. .. .	1,195	715	1,155
Oxide .. .. .	10,492	10,336	10,411
Sulphate .. .. .	5,628	5,460	4,550
Norway—			
Calcined .. .. .	556	603	627
Bricks .. .. .	451	114	224
Chloride .. .. .	249	296	357
Poland—			
Crude and calcined .. .. .	2,218	2,176	2,971
Chloride .. .. .	697	673	707
Oxide .. .. .	14	10	18
Sulphate .. .. .	966	855	727
Portugal—			
Carbonate .. .. .	12	40	29
Chloride .. .. .	135	84	115
Oxide .. .. .	5	4	4
Sulphate .. .. .	609	503	336
Roumania—			
Calcined .. .. .	33	47	(a)
Chloride .. .. .	99	124	(a)
Sulphate .. .. .	407	162	(a)
Spain—			
Carbonate .. .. .	100	83	(a)
Chloride and sulphate .. .. .	166	205	(a)
Oxide .. .. .	28	37	(a)
Sweden—			
Crude and calcined .. .. .	1,770	2,343	2,875
Chloride .. .. .	1,295	1,460	1,774

(a) Information not available.

## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Calcined .. .. .	1,124	1,127	895
U.S.S.R. (Russia)—			
Magnesium .. .. .	111	315	55
Yugoslavia—			
Calcined .. .. .	1,177	1,327	1,661
Chloride and sulphate .. .. .	280	198	275
Oxide and carbonate .. .. .	74	75	90
Algeria—			
Calcined .. .. .	—	6	43
Carbonate .. .. .	13	5	(a)
Chloride .. .. .	1	—	2
Sulphate .. .. .	18	20	(a)
Egypt—			
Sulphate .. .. .	798	166	730
Mexico—			
Crude .. .. .	863	124	(a)
Calcined .. .. .	46	47	8
United States—			
Crude .. .. .	44	44	53
Calcined .. .. .	1,386	1,288	1,960
Dead-burnt .. .. .	20,465	22,031	38,043
Oxide .. .. .	140	88	106
Carbonate, precipitated .. .. .	213	269	337
Chloride .. .. .	13	22	19
Sulphate .. .. .	3,969	3,004	1,935
Argentina—			
Carbonate .. .. .	106	113	72
Chloride .. .. .	101	276	175
Oxide .. .. .	102	123	65
Sulphate and chlorate .. .. .	542	777	928
Brazil (total imports)—			
Sulphate .. .. .	983	1,364	1,033
Chile—			
Crude .. .. .	136	165	99
Calcined .. .. .	132	124	113
Chloride .. .. .	5	7	1
Carbonate, oxide, etc. .. .. .	6	7	8
Sulphate .. .. .	2	2	2
Colombia—			
Calcined .. .. .	10	(a)	(a)
Carbonate .. .. .	161	(a)	(a)
Chloride .. .. .	(a)	(a)	22
Sulphate .. .. .	(a)	(a)	129

(a) Information not available.

## IMPORTS OF MAGNESITE, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Peru—			
Crude and calcined .. ..	500	1,568	464
Salts .. .. .	53	96	108
Venezuela—			
Crude and calcined .. ..	—	56	(a)
Sulphate .. .. .	44	67	(a)
China—			
Carbonate .. .. .	(a)	691	1,460
French Indo-China—			
Calcined .. .. .	3	17	7
Carbonate .. .. .	3	2	1
Chloride .. .. .	10	29	17
“ Manchoukuo ”—			
Chloride .. .. .	(a)	3,176	1,757
Syria and Lebanon—			
Ground and calcined .. ..	33	34	23
Chloride .. .. .	10	14	(a)

(a) Information not available.

## MANGANESE

### PRODUCTION OF MANGANESE ORE

(Long tons)

Producing Country.	1934	1935	1936	Estimated Manganese Content.		
				1934	1935	1936
<b>BRITISH EMPIRE</b>						
Gold Coast (shipments) .. ..	365,178	430,659	411,024	190,000	224,000	214,000
Northern Rhodesia .. ..	2,041	3,976	3,022	581	1,407	774
Union of South Africa .. ..	64,463	93,943	254,167	24,919	47,253	119,214
Canada .. ..	—	89	197	—	(a)	(a)
India .. ..	406,306	641,483	813,442	203,000	321,000	407,000
Unfederated Malay States .. ..	18,876	28,054	36,776	4,400	6,500	8,500
Australia .. ..	105	148	72	(a)	(a)	(a)
TOTAL .. ..	860,000	1,200,000	1,520,000			
<b>FOREIGN COUNTRIES</b>						
Austria (b) .. ..	(a)	(a)	(a)	9,253	16,613	22,716
Bulgaria .. ..	—	—	1,500	—	—	700
Czechoslovakia .. ..	58,433	70,306	91,567	10,251	11,995	15,489
Germany .. ..	507	220	238	(a)	(a)	(a)
Greece .. ..	1,187	416	(a)	570	200	(a)
Hungary .. ..	10	6,192	26,798	3	2,167	9,000
Italy .. ..	6,831	8,983	23,751	2,437	2,650	8,450
Portugal .. ..	290	156	285	120	66	114
Roumania .. ..	11,867	19,343	3,009	3,886	5,800	1,000
Spain .. ..	3,736	1,240	(a)	1,200	400	(a)
Sweden .. ..	6,212	7,114	6,259	2,413	2,661	2,253
U.S.S.R. (Russia) .. ..	1,792,200	2,346,900	2,955,000	(a)	(a)	(a)
Yugoslavia .. ..	1,086	913	2,696	400	300	1,000
Egypt .. ..	944	85,924	132,840	500	25,087	38,524
Morocco (French) .. ..	7,161	25,261	31,930	3,200	10,500	14,000

(a) Information not available.

(b) Manganese content of manganese ore and manganiferous iron ore.



## PRODUCTION OF MANGANESE ORE (Cont.)

Producing Country.	1934	1935	1936	Estimated Manganese Content.		
				1934	1935	1936
FOREIGN COUNTRIES (Cont.)						
Cuba (b) .. ..	267,115	90,650	151,981	50,750	17,223	30,000
Mexico .. ..	654	3,166	3,284	(a)	(a)	(a)
Porto Rico (exports)	1,711	3,358	3,010	854	1,679	1,505
United States (c) ..	26,514	26,428	32,119	11,400	11,400	13,800
Argentina .. ..	574	432	(a)	235	180	(a)
Brazil (exports) ..	2,264	59,711	163,842	1,100	28,100	77,000
Chile .. ..	4,000	4,301	(a)	1,880	2,002	(a)
China .. ..	1,899	1,000	(a)	868	460	(a)
French Indo China	—	1,543	3,375	—	643	1,588
Japan .. ..	56,262	70,527	(a)	28,000	35,000	(a)
" Manchoukuo " ..	700	(a)	(a)	300	(a)	(a)
Netherlands East Indies .. ..	11,451	12,158	8,483	6,012	6,286	4,500
Philippine Islands (exports) ..	—	511	251	—	245	120
Portuguese India..	3,800	4,000	2,579	1,900	2,000	1,300
Turkey .. ..	13	15,350	5,100	4	7,368	1,200
TOTAL.. ..	2,200,000	2,900,000	3,700,000			
WORLD'S TOTAL	3,100,000	4,100,000	5,200,000			

(a) Information not available.

(b) Low grade ore before concentration.

(c) Shipments. Excluding the following quantities of ore containing 10 to 35 per cent. *Mn*, which is recorded by the United States Bureau of Mines as iron ore:—

1934 .. ..	23,231 long tons.
1935 .. ..	93,291 " "
1936 .. ..	98,962 " "

## EXPORTS OF MANGANESE ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ferro-manganese and spiegeleisen	8,964	11,256	9,424
Gold Coast—			
Ore .. .. .	339,985	398,718	411,024
Union of South Africa—			
Ore .. .. .	65,179	80,222	204,558
British India—			
Ore (b) .. .. .	392,296	702,287	634,023
Ferruginous manganese ore ..	2,000	—	—
British Malaya (c)—			
Ore .. .. .	18,653	26,842	36,759
Hong Kong (including re-exports)—			
Ore .. .. .	327	4,154	19,169
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	147	4	30
Belgium-Luxemburg E.U.—			
Ore .. .. .	10,100	6,836	12,123
France—			
Ore .. .. .	4,086	9,305	5,351
Manganese dioxide .. ..	20	29	47
Ferro-manganese .. ..	8,432	9,423	7,240
Germany—			
Ore .. .. .	2,049	1,591	1,316
Ferro-manganese .. ..	19,293	11,891	14,528
Greece—			
Ore .. .. .	1,772	429	1,680
Italy—			
Ore, including manganiferous iron ore .. .. .	25	1	—
Ferro-manganese .. ..	544	736	198
Ferro-silico-manganese .. ..	2	—	—
Netherlands—			
Ore .. .. .	904	853	708

(b) Excluding manganese ore mined in British India but exported via the Portuguese port of Mormugao—1934, 115,582 tons—1935, 162,411 tons—1936, 108,524 tons.

(c) Including re-exports.

## EXPORTS OF MANGANESE ORE, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Norway—			
Ferro-manganese .. .. .	36,684	47,653	58,400
Ferro-silico-manganese .. .. .	11,752	9,709	16,553
Poland—			
Ore .. .. .	50	—	—
Ferro-manganese .. .. .	11,655	8,159	8,194
Spain—			
Ore .. .. .	682	582	(a)
Sweden—			
Ore .. .. .	54	68	72
Ferro-manganese and spiegeleisen	198	898	781
Ferro-silico-manganese .. .. .	3,912	4,436	5,230
U.S.S.R. (Russia)—			
Ore .. .. .	725,239	634,689	596,166
Ferro-manganese .. .. .	—	—	294
Yugoslavia—			
Ore .. .. .	30	44	226
Algeria (including re-exports)—			
Ore .. .. .	3,012	36,102	17,348
Morocco—			
Ore .. .. .	4,468	24,477	27,414
Cuba—			
Ore .. .. .	66,658	49,783	30,647
United States—			
Ferro-manganese and spiegeleisen	222	131	466
Brazil—			
Ore .. .. .	2,264	59,711	163,842
Chile—			
Ore .. .. .	4,000	4,301	5,102
Peru—			
Ore ( <i>Mn content</i> ) .. .. .	—	—	11
China—			
Ore .. .. .	856	814	23,418
French Indo-China—			
Ore .. .. .	—	1	4,424
Japan—			
Ore .. .. .	4,545	5,177	5,637
Netherlands East Indies—			
Ore .. .. .	7,047	9,871	11,122
Philippine Islands—			
Ore .. .. .	—	511	251
Portuguese India—			
Ore .. .. .	3,800	4,000	2,397
Turkey—			
Ore .. .. .	(a)	15,334	4,572

(a) Information not available.

## IMPORTS OF MANGANESE ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	202,067	227,605	240,344
Ferro-manganese and spiegeleisen	2,399	2,772	3,737
Ferro-silico-manganese .. ..	(a)	8,934	13,834
Union of South Africa—			
Ferro-manganese .. .. .	390	1,907	2,510
Manganese dioxide .. .. .	40	60	68
Canada—			
Ore (oxide) .. .. .	27,637	32,840	57,377
Ferro-manganese and spiegeleisen	331	46	58
Hong Kong (total imports)—			
Ore .. .. .	1,037	368	23,737
Australia—			
Ore .. .. .	170	228	104
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	325	342	573
Ferro-manganese .. .. .	2,798	3,099	1,609
Belgium-Luxemburg E.U.—			
Ore .. .. .	202,694	235,774	151,848
Czechoslovakia—			
Ore .. .. .	15,809	53,582	53,755
Denmark—			
Ore .. .. .	979	1,415	1,148
Estonia—			
Ore .. .. .	2	4	64
Finland (total imports)—			
Ore .. .. .	56	121	59
Ferro-manganese and spiegeleisen	240	546	252
France—			
Ore .. .. .	573,551	366,028	414,687
Ferro-manganese .. .. .	28	81	395
Manganese dioxide .. .. .	43	23	107
Germany—			
Ore .. .. .	221,195	388,029	226,007
Ferro-manganese .. .. .	1,450	1,793	946
Hungary—			
Ore .. .. .	17	1	(a)
Italy—			
Ore, including manganiferous iron ore .. .. .	64,253	120,313	23,588
Ferro-manganese .. .. .	269	42	123
Ferro-silico-manganese .. ..	16	28	67
Manganese metal .. .. .	19	47	(a)

(a) Information not available.

## IMPORTS OF MANGANESE ORE, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Lithuania—			
Ore .. .. .	22	23	23
Netherlands—			
Ore .. .. .	7,277	1,998	8,413
Norway—			
Ore .. .. .	106,902	80,078	101,077
Poland—			
Ore .. .. .	37,708	62,429	55,810
Ferro-manganese .. .. .	275	73	903
Roumania—			
Manganese dioxide .. .. .	236	45	(a)
Spain—			
Ore .. .. .	16,854	11,187	(a)
Ferro-manganese .. .. .	66	30	(a)
Sweden—			
Ore .. .. .	385	535	445
Ferro-manganese and spiegeleisen	6,047	6,272	4,442
Ferro-silico-manganese .. .. .	21	60	83
U.S.S.R. (Russia)—			
Ferro-manganese .. .. .	825	—	—
Yugoslavia—			
Ore .. .. .	17	33	78
Ferro-manganese .. .. .	831	544	807
Algeria—			
Ore .. .. .	3,925	32,205	25,410
Mexico—			
Ferro-manganese .. .. .	557	689	59
United States—			
Ore .. .. .	341,388	383,500	846,645
<i>Mn content</i> .. .. .	165,840	189,258	415,748
Ferro-manganese and other Mn alloys ( <i>Mn content</i> ) .. .. .	18,781	21,964	30,733
Argentina—			
Dioxide and borate of manganese	221	110	68
Chile—			
Ferro-manganese .. .. .	210	165	320
China—			
Ore .. .. .	606	1,604	2,082
Ferro-manganese .. .. .	19	138	121
Manganese di-oxide .. .. .	315	359	644
Japan (total imports)—			
Ore .. .. .	(b)	(b)	(b)
Ferro-manganese .. .. .	2	5	6
“ Manchoukuo ”—			
Ferro-manganese .. .. .	(a)	2,035	295

(a) Information not available.

(b) Not available, but exports to Japan from the following countries were recorded (long tons):—

	1934	1935	1936
British India .. .. .	85,102	176,373	108,374
British Malaya .. .. .	18,653	26,842	35,660
U.S.S.R. (Russia) .. .. .	42,448	6,300	15,090

**MICA**

**PRODUCTION OF MICA**  
(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
Northern Rhodesia .. .. .	1	2	3
Southern Rhodesia .. .. .	2	4	10
Tanganyika Territory—			
Sheet .. .. .	9	25	10
Waste .. .. .	22	21	23
Union of South Africa (b) .. ..	273	573	488
Canada—			
Knife trimmed .. .. .	27	50	44
Thumb trimmed .. .. .	41	5	7
Splittings .. .. .	33	15	11
Rough cobbled .. .. .	1	14	7
Scrap .. .. .	789	477	646
Ceylon (exports) .. .. .	20	2	—
India (exports)—			
Sheet .. .. .	1,031	1,189	1,362
Splittings .. .. .	3,615	5,902	7,521
Australia .. .. .	120	44	21
<b>FOREIGN COUNTRIES</b>			
Italy .. .. .	5	(a)	(a)
Norway (exports) .. .. .	167	56	43
Roumania .. .. .	—	—	81
Sweden .. .. .	16	31	123
U.S.S.R. (Russia) .. .. .	4,363	8,143	(a)
Madagascar—			
Muscovite .. .. .	(1,543 lb.)	(1,917 lb.)	—
Phlogopite, etc. .. .. .	289	513	404
United States (sales)—			
Sheets (uncut) .. .. .	261	418	589
Scrap .. .. .	6,892	16,832	18,710
Argentina .. .. .	172	221	(a)
Bolivia (exports) .. .. .	4	2	(a)
Brazil (exports) .. .. .	58	108	233
Korea .. .. .	101	86	(a)

(a) Information not available.

(b) Nearly all scrap.

The following amounts of lithia mica were produced :—

	1934	1935	1936	
South West Africa .. .. .	231	489	852	long tons.
France .. .. .	500	350	(a)	.. ..
Portugal .. .. .	294	8	—	.. ..
United States (lithium minerals)	642	1,030	1,106	.. ..

**EXPORTS OF MICA**  
(*Domestic Produce*)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Splittings, ground and waste ..	30	60	74
Southern Rhodesia .. ..	3	6	6
Tanganyika Territory .. ..	16	56	35
Union of South Africa .. ..	223	240	242
Canada—			
Roughcobbled and thumb trimmed .. .. .	85	67	75
Splittings .. .. .	40	15	12
Scrap and waste .. .. .	750	598	1,104
British India—			
Sheet .. .. .	1,031	1,189	1,362
Splittings .. .. .	3,615	5,902	7,521
Ceylon .. .. .	20	2	—
Australia—			
Slabs ( <i>£ Australian</i> ) .. ..	—	( <i>£417</i> )	( <i>£3,182</i> )
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	303	80	76
Belgium-Luxemburg E.U.—			
Crude, sheets and plates ..	102	75	77
France—			
Unmanufactured .. .. .	104	77	109
Sheet, plate and manufactures ..	19	18	14
Germany—			
Unmanufactured .. .. .	18	14	8
Italy .. .. .	3	—	21
Netherlands .. .. .	17	22	5
Norway—			
Sheet .. .. .	2	2	2
Scrap .. .. .	165	54	41
Switzerland (including asbestos) ..	20	11	13
U.S.S.R. (Russia) .. .. .	2,772	1,263	—
Madagascar—			
Phlogopite, etc. .. .. .	374	403	445
Mozambique .. .. .	—	58	3
United States (including manufac- tured) .. .. .	1,564	1,339	1,319
Argentina .. .. .	84	97	164
Bolivia .. .. .	4	2	(a)
Brazil .. .. .	58	108	233

(a) Information not available.

**IMPORTS OF MICA**  
(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Slabs .. .. .	479	496	485
Splittings .. .. .	504	636	1,062
Ground and waste.. .. .	694	631	906
Union of South Africa—			
Micanite sheets .. .. .	2	1	4
Canada—			
Mica and manufactures ..	(£12,546)	(£13,569)	(£15,649)
British India—			
Sheet .. .. .	4	5	4
Splittings .. .. .	7	3	7
<b>FOREIGN COUNTRIES</b>			
Austria—			
Unmanufactured .. .. .	22	32	43
Sheet .. .. .	15	17	16
Belgium-Luxemburg E.U.—			
Crude sheet and crude plate ..	130	122	183
Cut sheet and cut plate .. .. .	15	16	20
Denmark .. .. .	68	72	34
France—			
Unmanufactured .. .. .	783	527	686
Sheet, plate and manufactures ..	45	35	47
Germany—			
Unmanufactured .. .. .	990	1,099	1,195
Italy—			
Unmanufactured and sheet ..	317	230	450
Netherlands .. .. .	76	91	49
Poland .. .. .	34	53	52
Portugal .. .. .	5	26	9
Roumania .. .. .	4	3	(a)
Spain—			
Sheet .. .. .	17	23	(a)
Switzerland (including asbestos) ..	771	1,034	1,020
Mexico .. .. .	5	10	60
United States (b)—			
Unmanufactured .. .. .	3,432	2,938	3,860
Cut, splittings and manufactures	1,135	1,418	2,102

(a) Information not available.

(b) Re-exports of mica and manufactures were 21, 49 and 24 tons during 1934, 1935, and 1936, respectively.



## MOLYBDENUM

### PRODUCTION OF MOLYBDENUM ORE

(Cwt.)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Australia .. .. .	89	212	403
FOREIGN COUNTRIES			
Roumania ( <i>Bi-Mo Ore</i> ) .. .. .	—	280	900
Yugoslavia .. .. .	—	363	—
Norway ( <i>MoS<sub>2</sub> content</i> ) .. .. .	4,793	12,736	13,838
French Morocco ( <i>MoS<sub>2</sub> content</i> ) .. .. .	2,850	3,940	3,800
Mexico .. .. .	15,315	22,528	17,522
United States ( <i>MoS<sub>2</sub> content</i> ) .. .. .	139,315	171,310	255,744
Peru ( <i>MoS<sub>2</sub> content</i> ) .. .. .	172	194	300
China ( <i>MoS<sub>2</sub> content</i> ) .. .. .	22	(a)	(a)
Japan .. .. .	99	127	140
Korea .. .. .	2,037	2,077	(a)

(a) Information not available.

## EXPORTS OF MOLYBDENUM ORE, ETC.

*(Domestic Produce)**(Cwt.)*

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
Australia—			
Ore .. .. .	92	299	323
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Ore .. .. .	(a)	(a)	10,511
France—			
Molybdic acid and molybdates ..	32	878	104
Norway—			
Ore .. .. .	5,225	12,358	14,670
Morocco—			
Ore .. .. .	2,939	3,968	3,688
Mexico—			
Ore .. .. .	15,315	22,528	18,177
United States.. .. .	(b)	(b)	(b)
Peru—			
Ores ( $MoS_2$ content) .. .. .	293	324	544

(a) Information not available.

(b) Exports not separately recorded in the trade returns of the United States, but estimated to be 50% to 75% of output.

## IMPORTS OF MOLYBDENUM ORE, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	15,801	31,206	50,917
Canada—			
Calcium molybdate .. ..	314	670	1,416
FOREIGN COUNTRIES			
Austria—			
Ferro-molybdenum .. ..	34	36	57
Belgium-Luxemburg E.U.—			
Ore .. .. .	(a)	(a)	10,736
France—			
Molybdic acid and molybdates ..	278	22	14
Italy—			
Ferro-molybdenum .. ..	1,886	3,244	5,836
U.S.S.R. (Russia)—			
Ore .. .. .	591	—	709
Ferro-molybdenum .. ..	4,600	20,600	27,740
United States—			
Ore ( <i>MoS<sub>2</sub> content</i> ) .. ..	3,183	1,023	—

(a) Information not available.

**MONAZITE**

## PRODUCTION OF MONAZITE

(Long tons)

Producing Country.	1934	1935	1936	1937
BRITISH EMPIRE				
India .. .. .	1,009	3,819	2,628	
FOREIGN COUNTRIES				
Egypt .. .. .	—	11	1	—
Netherlands East Indies .. .. .	—	—	657	369
<u>BRAZIL</u>	—	—	—	417

## EXPORTS OF MONAZITE, ETC.

*(Domestic Produce)*

Exporting Country and Description.	Unit	1934	1935	1936
BRITISH EMPIRE				
United Kingdom—				
Gas mantles .. ..	Gross	17,998	17,973	15,227
India (Travancore) (b)—				
Monazite sand .. ..	Cwt.	27,120	44,540	66,660
British Malaya (including re-exports)—				
Gas mantles .. ..	Gross	241	100	27
FOREIGN COUNTRIES				
Austria—				
Gas mantles .. ..	Cwt.	20	18	18
Belgium-Luxemburg E.U.—				
Gas mantles .. ..	Cwt.	10	—	6
France—				
Thorium nitrate and other rare-earth salts .. ..	Cwt.	779	598	1,234
Gas mantles .. ..	Gross	292	417	243
Germany—				
Gas mantles .. ..	Gross	42,333	61,215	77,042
Italy—				
Gas mantles .. ..	Gross	—	3	92
Netherlands—				
Gas mantles .. ..	Gross	15	1	18
Poland—				
Gas mantles .. ..	Cwt.	6	—	8
Sweden—				
Gas mantles .. ..	Cwt.	35	57	32
United States—				
Gas mantles .. ..	Gross	9,786	8,505	7,657

NOTE.—Where the quantity of gas mantles is returned by weight, the figure given is intended to represent weight of gas mantles exclusive of packing, etc.

(b) Years ended August.

## IMPORTS OF MONAZITE, ETC.

*(Less Re-exports)*

Importing Country and Description.	Unit	1934	1935	1936
BRITISH EMPIRE				
United Kingdom—				
Thorium nitrate, etc. ..	Cwt.	123	163	148
Gas mantles .. ..	Gross	637	897	885
Irish Free State—				
Gas mantles .. ..	Gross	3,387	3,308	3,322
Canada—				
Thorium and cerium salts..	£	1,000	2,189	1,824
British India—				
Gas mantles .. ..	£	29,905	23,936	21,118
British Malaya (total im- ports)—				
Gas mantles .. ..	Gross	4,127	3,491	5,463
Ceylon—				
Gas mantles .. ..	Gross	1,544	2,258	1,450
Australia—				
Gas mantles .. ..	Gross	4,462	5,533	4,656
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Gas mantles .. ..	Cwt.	71	30	37
Estonia—				
Gas mantles .. ..	Gross	175	263	289
Finland—				
Gas mantles .. ..	Cwt.	26	23	39
France—				
Thorium nitrate and other rare-earth salts .. ..	Cwt.	8	26	—
Gas mantles .. ..	Gross	1,076	403	347
Germany—				
Monazite sand .. ..	Long ton	319	1,911	49
Gas mantles .. ..	Gross	—	49	14
Hungary—				
Gas mantles .. ..	Cwt.	12	8	14
Italy—				
Gas mantles .. ..	Gross	164	180	178
Thorium and cerium salts..	Cwt.	22	20	18
Netherlands—				
Gas mantles .. ..	Gross	5,888	6,141	4,984
Norway—				
Gas mantles .. ..	Cwt.	18	19	18

## IMPORTS OF MONAZITE, ETC. (Cont.)

Importing Country and Description.	Unit	1934	1935	1936
FOREIGN COUNTRIES (Cont.)				
Poland—				
Gas mantles .. ..	Cwt.	8	6	6
Portugal—				
Gas mantles .. ..	Cwt.	14	12	15
Switzerland—				
Gas mantles .. ..	Cwt.	2	3	3
Yugoslavia—				
Gas mantles .. ..	Cwt.	34	14	15
Egypt—				
Gas mantles .. ..	Gross	6,447	5,093	7,957
United States—				
Monazite sand and thorite	Long ton	100	1,160	542
Brazil (total imports)—				
Gas mantles .. ..	Cwt.	13	11	12

NOTE.—Where the quantity of gas mantles is returned by weight, the figure given is intended to represent weight of gas mantles, exclusive of packing, etc.

## NICKEL

### PRODUCTION OF NICKEL ORE (In terms of metal) (Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Southern Rhodesia .. .. .	—	12	14
Canada .. .. .	57,450	61,838	75,777
India (b) .. .. .	1,209	1,465	1,300
Total .. .. .	58,700	63,300	77,100
FOREIGN COUNTRIES			
Germany .. .. .	(a)	268	(a)
Greece (e) .. .. .	1,046	1,091	(a)
Norway .. .. .	1,312	1,216	1,251
U.S.S.R. (Russia) .. .. .	849	1,800	(a)
Morocco (French) .. .. .	—	205	146
United States (d) .. .. .	140	143	96
Brazil .. .. .	38	5	470
New Caledonia (c) .. .. .	8,500	8,100	4,820
Total .. .. .	11,900	12,800	10,100
WORLD'S TOTAL .. .. .	70,600	76,100	87,200

(a) Information not available.

(b) Nickel content of speiss obtained as a by-product in smelting operations.

(c) Estimated content of matte and ferro-nickel obtained at smelters was as follows:—

1934 .. .. .	5,000 long tons.
1935 .. .. .	6,000 " "
1936 .. .. .	4,650 " "

(d) Nickel content of salts and nickel produced as a by-product in the electrolytic refining of copper (partly from *imported* blister copper).

Secondary metal was recovered in the United States as follows:—

1934 .. .. .	1,650 long tons.
1935 .. .. .	1,750 " "
1936 .. .. .	1,754 " "

(e) Figures represent combined totals of nickel content and cobalt content of ores.



## EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Cubes, rondels, etc. .. ..	7,280	9,850	10,672
Plates, sheets, etc... ..	146	181	140
Ingots, sheets, wire, etc. (alloys)	560	896	1,067
Nickel oxide .. .. .	29	37	39
Canada—			
Ore, matte, etc. ( <i>Ni content</i> ) ..	26,046	26,100	27,511
Nickel, fine .. .. .	24,430	36,441	47,631
Nickel oxide ( <i>Ni content</i> ) ..	2,272	1,176	2,375
Hong Kong (including re-exports)—			
Nickel .. .. .	2	2	19
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys .. ..	88	92	13
Sheets, tubes, etc., and alloys ..	806	1,120	820
Belgium-Luxemburg E.U.—			
Ingots, scrap, etc. .. ..	273	549	89
Sheets, wire, etc. .. .. .	1,800	1,498	696
Czechoslovakia—			
Crude and scrap .. .. .	13	18	34
Denmark—			
Sheets, rods, wire and alloys ..	2	3	4
France—			
Ore .. .. .	24	9	—
Matte and speiss .. .. .	150	14	74
Ingots .. .. .	144	2,122	1,130
do. (alloys) .. .. .	7	16	6
Sheets and wire .. .. .	9	9	6
do. (alloys) .. .. .	128	170	55
Germany—			
Nickel and chrome ores .. ..	616	16	355
Crude, scrap and coin .. ..	1,307	148	55
Bars, sheets, wire, etc. .. ..	298	243	223
Greece—			
Ore .. .. .	(b)	(b)	(b)

(b) Not separately recorded in trade returns. Imports into Germany from Greece were as follows:—

1934 .. .. .	29,229 long tons.
1935 .. .. .	18,952 " "
1936 .. .. .	5,200 " "

EXPORTS OF NICKEL (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Hungary—			
Crude, scrap, wire and alloys ..	13	5	10
Italy—			
Sheets, tubes, wire and alloys ..	112	12	7
Scrap .. .. .	28	114	—
Netherlands—			
Crude and scrap .. .. .	216	922	1,778
Norway—			
Ingots .. .. .	5,546	5,683	5,947
Spain—			
Ingots, sheets, tubes, wire and alloys .. .. .	19	2	(a)
Sweden—			
Crude .. .. .	4	3	6
Switzerland—			
Crude, scrap, and alloys .. ..	284	342	186
Bars, sheets, etc., and alloys ..	515	505	423
United States—			
Bars, rods, sheets and alloys ..	2,043	1,541	3,071
Nickel-silver bars, etc. .. ..	237	298	424
Brazil—			
Ore .. .. .	380	(a)	4,708
New Caledonia—			
Ore .. .. .	100	1	5,409
Matte, etc. .. .. .	6,447	6,928	5,979

(a) Information not available.

## IMPORTS OF NICKEL

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom (b)—			
Cubes, rondels, etc. .. ..	3,134	4,178	3,462
Plates, sheets, etc. .. ..	15	17	18
Ingots, sheets, etc. (alloys) .. ..	1,231	1,020	1,848
Nickel mass .. ..	(a)	17	48
Nickel oxide .. ..	101	128	108
Irish Free State—			
Nickel, alloys and manufactures	9	12	7
Canada—			
Ingots or blocks and alloys .. ..	1	2	4
Bars, rods, sheets, etc. .. ..	264	199	343
do. (alloys) .. ..	43	55	69
British India—			
Nickel-silver .. ..	875	1,347	1,222
Hong Kong (total imports)—			
Nickel .. ..	11	9	20
Australia—			
Ingots, sheets, scrap, etc. .. ..	87	73	82
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloyed .. ..	799	1,117	1,166
Sheets, tubes, etc., and alloyed .. ..	20	52	60
Belgium-Luxemburg E.U.—			
Ingots, scrap, etc. .. ..	3,075	1,012	1,066
Sheets, wire, etc. .. ..	134	145	186
Czechoslovakia—			
Crude and scrap .. ..	424	807	1,733
Plates and sheets .. ..	39	66	63
Denmark—			
Crude and scrap .. ..	32	79	102
Bars, sheets, wire and alloys .. ..	107	103	113

(a) Information not available.

(b) Canada records exports to the United Kingdom of nickel contained in ore, matte and speiss as follows :—1934, 17,724 long tons; 1935, 15,540 long tons; 1936, 13,831 long tons.

## IMPORTS OF NICKEL (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Finland (total imports)—			
Crude and scrap .. .. .	9	6	22
France—			
Ore .. .. .	—	—	135
Matte and speiss .. .. .	4,268	6,756	4,862
Ingots .. .. .	1,619	2,519	1,893
do. (alloys) .. .. .	108	111	11
Sheets and wire .. .. .	270	237	288
do. (alloys) .. .. .	554	426	573
Nickel sulphate and oxide ..	798	919	1,205
Germany—			
Ore .. .. .	37,015	28,555	17,372
Crude, scrap and coin .. ..	5,303	5,983	3,339
Bars, sheets, wire, etc. .. ..	133	145	145
Greece .. .. .	4	5	6
Hungary—			
Crude, scrap and alloys .. ..	121	274	330
Bars and wire .. .. .	89	102	92
Italy—			
Ingots, scrap and alloyed.. ..	1,746	3,648	3,490
Sheets, tubes, wire, etc., and alloyed .. .. .	175	370	281
Latvia—			
Ingots, sheets and tubes .. ..	5	8	4
Netherlands—			
Crude and scrap .. .. .	367	984	1,769
Norway—			
Crude, bars, rods, etc. .. ..	29	15	40
Matte (copper-nickel) .. ..	8,374	8,878	9,078
Poland—			
Ingots, sheets, scrap, etc. ..	302	384	508
Portugal .. .. .	3	9	3
Roumania—			
Crude, sheets and wire .. ..	27	29	(a)
Spain—			
Ingots and cubes .. .. .	261	299	(a)
Sheets, tubes, wire and alloys ..	82	84	(a)
Sweden—			
Crude .. .. .	966	1,312	1,501
Switzerland—			
Crude, scrap, and alloyed .. ..	580	749	406
Bars, sheets, etc., and alloyed ..	352	404	386
U.S.S.R. (Russia)—			
Ingots, etc... .. .	4,193	5,494	7,101

(a) Information not available.

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Yugoslavia—			
Crude, scrap and coin .. ..	9	4	11
Bars, sheets, wire, etc. .. ..	20	27	20
Algeria—			
Sheets, wire and alloys .. ..	6	12	5
Egypt (total imports)—			
Crude, bars, sheets, etc. .. ..	41	35	58
United States—			
Ore and matte .. .. .	5,288	7,109	10,355
Crude, etc., and alloys .. ..	20,449	26,276	35,950
Nickel oxide .. .. .	424	408	1,138
Argentina—			
Sheets .. .. .	9	22	16
Brazil (total imports)—			
Cubes and sheets .. .. .	32	80	86
Chile—			
Bars and plates .. .. .	11	58	19
China .. .. .	81	48	59
French Indo-China .. .. .	1	3	2
Iran (Persia) (total imports) ( <i>b</i> )—			
Ingots, bars, etc. .. .. .	18	49	101
Japan (total imports)—			
Ingots and grains .. .. .	2,579	3,334	2,504
Other nickel .. .. .	18	30	34
Netherlands East Indies—			
Crude, alloys, etc. .. .. .	2	3	6
Philippine Islands .. .. .	1	4	1
Siam .. .. .	2	7	2
Turkey—			
Ingots, bars, sheets, alloys, etc.	16	46	13

(*b*) Years ended June 21.

## NITROGEN COMPOUNDS

### PRODUCTION OF NITRATES (NATURAL)

(Long tons)

Producing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
India—			
Nitrate of potash (estimated) ..	9,000	9,600	8,800
<b>FOREIGN COUNTRIES</b>			
Spain—			
Nitrified earth .. .. .	500	(a)	(a)
Egypt—			
Nitrate shale (7% nitrate) ..	8,245	15,725	14,009
Chile (c)—			
Nitrate of soda .. .. .	1,115,000	1,201,000	1,546,145
China—			
Nitrified earth (estimated) ..	5,000	(a)	(a)

A small amount of nitrate of soda is also produced in Peru.

(a) Information not available.

(c) Figures refer to the years ended June 30 of the year following that stated. The estimated output for the calendar years were 760,000 long tons during 1934—1,130,000 long tons during 1935—1,250,000 long tons during 1936.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS.\*  
(Long tons)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
Great Britain—			
Ammonium salts expressed as sulphate (25¾% NH <sub>3</sub> ) (b) ..	605,200	617,200	623,700
Irish Free State—			
Ammonium sulphate .. ..	2,100	2,300	2,400
Union of South Africa—			
Ammonium sulphate (c) .. ..	1,560	838	(a)
Canada—			
Ammonium sulphate .. ..	68,062	60,179	88,152
Ammonium phosphate (c) .. ..	9,612	21,781	(a)
Cyanamide (c) .. ..	84,486	95,588	(a)
India—			
Ammonium sulphate .. ..	11,775	15,398	17,603
Australia—			
Ammonium sulphate (c) .. ..	17,152	19,167	(a)
FOREIGN COUNTRIES			
Austria—			
Ammonium sulphate .. ..	6,109	4,976	6,212
Ammonium carbonate .. ..	69	34	57
Aqueous ammonia .. ..	642	630	631
Ammonia liquor .. ..	181	208	221
Belgium—			
Ammonium sulphate .. ..	246,000	300,000	(a)
Cyanamide .. ..	13,000	20,000	(a)
Czechoslovakia—			
Ammonium sulphate .. ..	36,740	} 115,483	(a)
Cyanamide .. ..	20,231		
" Ostrava " nitrate .. ..	11,676		
Nitrate of lime .. ..	21,967		
Denmark—			
Ammonium sulphate .. ..	334	(a)	(a)
Finland—			
Ammonia and ammonium sulphate	199	(a)	(a)

\* Includes by-product ammonium sulphate which is separately recorded as far as available on pages 85-88.

(a) Information not available.

(b) Actual ammonium sulphate production (basis 25¾% NH<sub>3</sub>) was:—

1934 .. ..	424,000 long tons.
1935 .. ..	422,000 " "
1936 .. ..	373,000 " "

(c) Years ended June 30 of the year stated.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS  
(Cont.)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
France—			
Saar—			
Ammonium sulphate .. ..	22,701	24,700	(a)
Other districts—			
Ammonium sulphate .. ..	345,000	296,000	229,000
Cyanamide .. .. .	50,000	43,000	38,000
Nitrate of soda (c) .. ..	85,000	145,000	100,000
Nitrate of lime (c) .. ..	128,215	114,000	70,000
Germany (b)—			
Cyanamide .. .. .	442,000	595,000	(a)
Ammonia products—			
Coke-ovens .. .. .	342,100	405,600	(a)
Gas-works .. .. .	30,000	16,051	(a)
Hungary—			
Ammonium sulphate .. ..	1,330	1,365	1,260
Aqueous ammonia .. ..	(a)	379	443
Italy—			
Ammonium sulphate .. ..	128,862	155,620	138,728
Cyanamide .. .. .	132,974	185,541	201,025
Nitrate of soda .. .. .	17,989	23,291	13,893
Nitrate of lime .. .. .	107,031	99,820	61,928
Nitrate of ammonia .. ..	30,554	30,712	8,366
Ammonium sulphate nitrate .. ..	918	1,162	362
Di-ammonium phosphate .. ..	14,863	25,734	20,620
Netherlands—			
Ammonium sulphate .. ..	247,158	264,926	241,230
Norway (years ended June 30)—			
Cyanamide .. .. .	30,830	34,451	(a)
Nitrate of ammonia .. ..	3,621	6,142	(a)
Nitrate of lime .. .. .	230,273	381,742	(a)
Nitrate of soda .. .. .	34,172	36,751	(a)
Lime ammonium nitrate .. ..	69,015	10,628	(a)
Dolomite ammonium nitrate .. ..	8,120	31,181	(a)

(a) Information not available.

(b) The total production of Nitrogen in Germany (in terms of N.) is estimated in 1934 at 418,500 tons and in 1935 at 576,500 tons.

(c) Years ended June 30 of the year stated.



ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS  
(Cont.)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Poland—			
Ammonium sulphate .. ..	57,698	60,802	58,330
Ammonium carbonate .. ..	376	427	560
Ammonium chloride .. ..	5,274	1,518	1,725
“ Wapnamon ” .. ..	3,665	3,601	4,117
Cyanamide .. ..	32,086	31,058	28,068
Nitrate of soda .. ..	6,292	4,624	2,478
Saletrzak .. ..	10,842	4,900	11,644
Nitrophos .. ..	2,834	2,025	4,726
Nitrate of ammonia .. ..	3,140	2,639	2,955
Nitrate of lime .. ..	34,697	40,487	41,230
Roumania—			
Cyanamide.. ..	1,000	1,000	502
Spain—			
Ammonium sulphate .. ..	18,487	17,000	(a)
Ammonia .. ..	2,280	2,000	(a)
Sweden—			
Ammonium sulphate .. ..	4,567	4,462	(a)
Ammonia (25%) .. ..	817	1,227	(a)
Switzerland—			
Ammonium sulphate .. ..	8,000	2,000	(a)
Cyanamide (estimated) .. ..	10,000	10,000	(a)
U.S.S.R. (Russia) (estimated)—			
Fertilizer Nitrogen (N content)..	50,000	90,000	120,000
Industrial Nitrogen (N content)	10,000	15,000	18,000
Yugoslavia—			
Cyanamide (estimated) .. ..	20,000	25,000	(a)
United States—			
Sulphate equivalent of ammonia produced (coke-ovens) .. ..	428,491	486,886	619,948
Japan and Korea—			
Ammonium sulphate .. ..	790,064	946,045	1,249,972
Cyanamide (b) .. ..	138,043	201,734	199,951
“ Manchoukuo ”—			
Ammonium sulphate (estimated)	30,000	120,000	176,142

(a) Information not available.

(b) Net output for sale, i.e. excluding the amount converted into ammonium sulphate.

## ESTIMATED WORLD PRODUCTION AND CONSUMPTION OF NITROGEN

*(In terms of pure Nitrogen)*

(Long tons)

Production.	1934	1935	1936
By-product sulphate of ammonia ..	314,000	337,000	381,000
Synthetic sulphate of ammonia ..	534,000	573,000	642,000
Cyanamide .. .. .	214,000	247,000	269,000
Nitrate of lime .. .. .	130,000	152,000	161,000
Other forms of synthetic nitrogen (b)	562,000	653,000	772,000
Other forms of by-product nitrogen (b) .. .. .	46,000	45,000	48,000
Chilean nitrate of soda .. .. .	131,000	182,000	188,000
<b>Total production .. .. .</b>	<b>1,931,000</b>	<b>2,189,000</b>	<b>2,461,000</b>
<b>Consumption.</b>			
Manufactured nitrogen .. .. .	1,795,000	1,997,000	2,216,000
Chilean nitrate of soda .. .. .	180,000	203,000	205,000
<b>Total consumption .. .. .</b>	<b>1,975,000</b>	<b>2,200,000</b>	<b>2,421,000</b>
Agricultural consumption .. <i>about</i>	1,743,000	1,910,000	2,085,000

NOTE.—Fertilizers are included in this table under the final form as sold.

(b) Including nitrogen products used for industrial purposes, also ammonia in mixed fertilizers.

## EXPORTS OF NITROGEN COMPOUNDS

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash .. .. .	1,632	1,564	1,255
Nitrate of soda .. .. .	7,897	9,641	8,441
Nitrate of lime .. .. .	18	8	4
Ammonium sulphate .. .. .	285,646	253,881	215,413
Ammonium chloride .. .. .	4,234	5,147	4,901
Ammonium nitrate .. .. .	8,030	15,719	17,008
Liquid ammonia .. .. .	294	263	373
Anhydrous ammonia .. .. .	798	574	692
Canada—			
Ammonium sulphate .. .. .	51,522	40,228	76,638
Cyanamide .. .. .	82,077	101,363	114,115
British India—			
Nitrate of potash .. .. .	8,314	8,663	8,140
Ammonium sulphate .. .. .	2,951	7,376	3,232
British Malaya (including re- exports)—			
Nitrate of potash .. .. .	395	293	368
Other nitrogen fertilizers .. .. .	1,484	595	1,038
Hong Kong (including re-exports)—			
Nitrate of potash .. .. .	541	666	536
Nitrate of soda .. .. .	—	20	—
Ammonium sulphate .. .. .	28,878	44,460	82,213
Ammonium chloride .. .. .	178	203	297
Anhydrous ammonia .. .. .	6	6	4
Australia—			
Ammonium sulphate .. .. .	49	162	345
New Zealand—			
Liquid ammonia (£ <i>New Zealand</i> )	(£9)	(£46)	—
FOREIGN COUNTRIES			
Austria—			
Nitrate of potash .. .. .	328	242	233
Nitrate of soda .. .. .	—	29	49
Ammonium sulphate .. .. .	—	888	2
Liquid ammonia .. .. .	12	9	9

## EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Nitrate of potash .. .. .	275	167	3
Nitrate of soda .. .. .	5,551	1,364	1,003
Nitrate of lime .. .. .	134	7	409
Ammonium sulphate .. .. .	116,328	100,172	141,259
Ammonium chloride .. .. .	40	506	2,175
Ammonium nitrate .. .. .	954	2,281	7,511
Cyanamide .. .. .	264	278	870
Liquid ammonia .. .. .	181	386	401
Czechoslovakia—			
Nitrate of potash .. .. .	15	19	40
Nitrate of soda .. .. .	14	23	18
Ammonium sulphate .. .. .	399	198	130
Ammonium chloride .. .. .	53	402	427
France—			
Nitrate of potash .. .. .	1,573	1,662	1,647
Nitrate of soda .. .. .	943	735	1,263
Nitrate of lime .. .. .	963	504	981
Ammonium sulphate and nitrate	26,567	22,955	20,503
Cyanamide .. .. .	305	178	990
Liquid ammonia .. .. .	209	225	371
Germany—			
Nitrate of potash .. .. .	22,746	27,552	30,571
Nitrate of soda .. .. .	34,785	11,532	9,799
Nitrate of lime, etc. .. .. .	15,800	136,394	113,580
Ammonium sulphate .. .. .	365,900	434,557	302,585
Ammonium chloride .. .. .	23,692	16,598	13,195
Ammonium nitrate, etc. .. .. .	10,543	4,151	40,276
Cyanamide .. .. .	52	47	20
Liquid ammonia .. .. .	2,199	4,511	7,162
Hungary—			
Ammonium sulphate, etc. (b) ..	18,332	27,327	26,024
Liquid ammonia .. .. .	9	21	27
Italy—			
Nitrate of potash .. .. .	1	1	1
Nitrate of soda .. .. .	14	35	28
Nitrate of lime .. .. .	26	37	52
Ammonium nitrate .. .. .	96	—	5
Ammonium sulphate .. .. .	3,166	184	691
Cyanamide .. .. .	10	28	25
Liquid ammonia .. .. .	5	8	14

(b) Chiefly "Pet nitrate," *i.e.*, lime ammonium nitrate.

## EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Nitrate of soda .. .. .	43	46	1
Netherlands—			
Nitrate of potash .. .. .	74	49	79
Nitrate of soda .. .. .	609	58	301
Nitrate of lime .. .. .	82	17,299	5,144
Ammonium sulphate .. .. .	245,327	263,099	179,649
Ammonium chloride .. .. .	4	1	2
Ammonium nitrate, etc. .. .. .	64	39	148
Cyanamide .. .. .	346	444	—
Norway—			
Nitrate of soda .. .. .	47,879	27,693	19,401
Nitrate of lime .. .. .	382,506	348,056	420,802
Ammonium sulphate .. .. .	—	102	6,519
Ammonium nitrate .. .. .	2,551	1,639	2,380
Cyanamide .. .. .	23,089	33,934	29,302
Poland—			
Nitrate of potash .. .. .	360	492	592
Nitrate of soda .. .. .	103	184	78
Nitrate of lime .. .. .	15,329	12,183	12,770
Ammonium chloride .. .. .	946	1,216	1,218
Ammonium nitrate .. .. .	607	340	498
Ammonium sulphate .. .. .	40,538	55,389	32,354
Cyanamide .. .. .	2,510	2,479	2,799
Spain—			
Nitrates of potash, soda and lime	—	212	(a)
Ammonium sulphate .. .. .	51	9	(a)
Sweden—			
Nitrates of potash, soda and lime ..	3	6	6
Liquid ammonia .. .. .	27	62	14
Switzerland—			
Nitrate of potash (crude) .. .. .	23,618	16,916	20,948
Nitrates of potash and soda (purified)	771	841	—
U.S.S.R. (Russia)—			
Nitrates of potash and soda .. .. .	17	271	413
Ammonium sulphate .. .. .	2,341	13,364	25,637
Ammonium nitrate .. .. .	—	117	—
Yugoslavia—			
Cyanamide .. .. .	25,096	18,187	34,773

(a) Information not available.

## EXPORTS OF NITROGEN COMPOUNDS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Nitrates of lime and soda .. ..	18	—	4
Ammonium sulphate .. ..	23	8	22
United States—			
Ammonium sulphate .. ..	25,629	78,426	105,782
Other nitrogen fertilizers .. ..	174,570	148,935	139,177
Chile—			
Nitrate of soda .. ..	1,274,466	1,269,178	1,380,450
Formosa—			
Ammonium sulphate .. ..	136	1,272	(a)
Japan—			
Ammonium sulphate .. ..	1,401	5,897	17,467
Cyanamide .. ..	(a)	1,648	1,255
“Manchoukuo”—			
Ammonium sulphate .. ..	28,280	97,758	174,283

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS.  
(Less Re-exports)  
(Long tons)

Importing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Nitrate of potash .. .. .	6,043	9,323	3,877
Nitrate of soda .. .. .	14,108	32,034	44,336
Nitrate of lime .. .. .	3,979	4,599	4,455
Cyanamide .. .. .	2,600	2,857	2,145
Ammonium sulphate .. .. .	34	30	38
Ammonium chloride .. .. .	2,137	1,701	2,185
Ammonium nitrate .. .. .	652	935	1,149
Anhydrous ammonia .. .. .	39	42	37
Irish Free State—			
Nitrate of potash .. .. .	261	298	214
Nitrate of soda .. .. .	1,379	1,304	1,915
Ammonium sulphate .. .. .	17,740	25,415	28,858
Anglo-Egyptian Sudan—			
Ammonium sulphate .. .. .	(a)	1,231	745
Mauritius—			
Nitrate of potash .. .. .	3,477	3,893	3,701
Nitrate of soda .. .. .	2,345	140	576
Ammonium sulphate .. .. .	7,280	9,664	13,473
Nitrophoska, etc. .. .. .	55	643	532
Northern Rhodesia—			
Nitrates .. .. .	292	253	102
Southern Rhodesia—			
Nitrates .. .. .	52	76	65
Anhydrous ammonia .. .. .	7	9	10
South West Africa—			
Anhydrous ammonia .. .. .	4	5	5
Union of South Africa—			
Nitrate of potash .. .. .	99	106	44
Nitrate of soda .. .. .	18,772	6,203	13,419
Ammonium sulphate .. .. .	7,421	13,782	11,636
Ammonium chloride .. .. .	30	180	152
Ammonium nitrate .. .. .	1,887	6,942	7,753
Anhydrous ammonia .. .. .	119	161	168
British Guiana—			
Nitrogen fertilizers .. .. .	7,727	10,267	9,960
Canada—			
Nitrate of potash .. .. .	915	621	657
Nitrate of soda .. .. .	23,233	19,827	27,325
Ammonium sulphate .. .. .	9,863	3,822	5,115
Ammonium chloride .. .. .	1,016	1,238	1,337
Ammonium nitrate .. .. .	1,665	1,349	1,822

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
British West Indies—			
Barbados—			
Nitrate of soda .. ..	343	110	204
Ammonium sulphate .. ..	4,535	6,959	6,550
St. Vincent—			
Ammonium sulphate .. ..	325	536	462
Trinidad and Tobago—			
Ammonium sulphate .. ..	5,151	5,956	7,926
British India—			
Nitrate of soda .. ..	3,737	2,208	2,539
Ammonium sulphate .. ..	37,350	44,029	58,417
Ammonium phosphate .. ..	9,660	2,213	6,082
Other ammonium salts .. ..	2,249	2,667	2,356
Anhydrous ammonia .. ..	159	130	148
Other nitrogen fertilizers .. ..	817	210	1,300
British Malaya (total imports)—			
Nitrate of potash .. ..	467	315	454
Other nitrogen fertilizers .. ..	3,102	8,279	11,891
Ceylon—			
Nitrate of potash refuse .. ..	1,969	1,175	1,073
Nitrate of soda .. ..	641	401	372
Ammonium sulphate .. ..	18,397	25,578	25,150
Cyanamide .. ..	200	348	650
Cyprus—			
Ammonium chloride .. ..	4	5	3
Hong Kong (total imports)—			
Nitrate of potash .. ..	895	842	496
Nitrate of soda .. ..	72	131	165
Ammonium sulphate .. ..	18,731	36,411	83,118
Ammonium chloride .. ..	309	617	804
Anhydrous ammonia .. ..	14	24	13
Palestine—			
Nitrogen fertilizers .. ..	(a)	(a)	3,597
Australia—			
Nitrate of potash .. ..	445	467	335
Nitrate of soda .. ..	4,219	3,393	4,505
Ammonium chloride .. ..	1,028	1,280	1,240
Ammonium sulphate .. ..	12,113	18,592	31,660
New Zealand—			
Nitrate of potash .. ..	77	88	75
Nitrate of soda .. ..	1,217	1,716	1,620
Ammonium sulphate .. ..	4,280	5,241	5,384
Ammonium chloride .. ..	72	84	85
Anhydrous ammonia .. ..	33	38	16

(a) Information not available.



## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Nitrate of potash .. .. .	26	—	—
Nitrate of soda .. .. .	3,780	2,917	2,615
Nitrate of lime .. .. .	10,901	5,722	7,823
Nitrophoska .. .. .	4,254	3,199	4,702
Cyanamide .. .. .	6,726	7,860	8,571
Ammonium nitrate .. .. .	763	1,130	794
Ammonium sulphate .. .. .	64	13	1
Ammonium chloride .. .. .	154	108	135
"Leuna" nitrate .. .. .	125	3	—
Lime ammonium nitrate .. .. .	8,982	3,423	2,883
Belgium-Luxemburg E.U.—			
Nitrate of potash .. .. .	1,132	1,371	2,173
Nitrate of soda .. .. .	94,813	54,373	54,269
Nitrate of lime .. .. .	1,601	1,708	1
Cyanamide .. .. .	10,115	14,925	19,886
Ammonium sulphate .. .. .	143	121	766
Ammonium chloride .. .. .	1,500	1,157	842
Ammonium nitrate .. .. .	72	45	6
Bulgaria—			
Nitrate of potash .. .. .	68	120	60
Nitrate of soda .. .. .	11	254	236
Ammonium nitrate, etc. .. .. .	199	180	250
Ammonium chloride .. .. .	76	98	100
Liquid ammonia .. .. .	19	17	35
Czechoslovakia—			
Nitrate of potash .. .. .	1	1	9
Nitrate of soda .. .. .	11,355	10,491	9,867
Ammonium sulphate .. .. .	1	—	1
Ammonium chloride .. .. .	14	50	31
Cyanamide, etc. .. .. .	8	31	23
Denmark—			
Nitrate of potash .. .. .	666	800	470
Nitrate of soda .. .. .	54,904	45,254	49,712
Nitrate of lime .. .. .	97,446	93,979	113,573
Ammonium sulphate .. .. .	36,774	38,085	42,638
Ammonium chloride .. .. .	371	380	441
Cyanamide .. .. .	2,066	2,155	2,131
Nitrophoska .. .. .	1,078	1,001	1,369
Estonia—			
Nitrate of potash .. .. .	17	32	34
Nitrate of soda .. .. .	1,339	810	285
Nitrate of lime .. .. .	788	1,606	2,376

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Estonia—( <i>cont.</i> )			
Ammonium sulphate .. ..	333	416	435
Ammonium chloride .. ..	11	15	20
Cyanamide .. ..	291	187	382
Nitrophoska .. ..	234	148	182
Finland (total imports)—			
Nitrate of potash .. ..	39	44	83
Nitrate of soda .. ..	3,692	5,409	2,703
Nitrate of lime .. ..	19,520	22,483	22,566
Ammonium nitrate .. ..	266	350	353
Ammonium sulphate .. ..	2,105	2,862	2,358
Ammonium chloride .. ..	31	31	30
Liquid ammonia .. ..	27	24	4
France—			
Nitrate of potash .. ..	1	2	—
Nitrate of soda .. ..	129,868	87,746	66,364
Nitrate of lime, etc. .. ..	2,092	—	—
Ammonium nitrate .. ..	395	1	1
Ammonium sulphate .. ..	20	31	31
Liquid ammonia .. ..	30	19	11
Germany—			
Nitrate of soda .. ..	105,408	83,046	90,598
Nitrate of lime, etc. .. ..	7	26	1
Ammonium sulphate .. ..	12,435	4,282	—
Ammonium chloride .. ..	20	16	8
Ammonium nitrate, etc. .. ..	1	—	—
Liquid ammonia .. ..	218	44	43
Greece—			
Nitrate of potash .. ..	87	138	64
Nitrate of soda .. ..	1,694	2,830	3,603
Ammonium nitrate .. ..	172	270	374
Ammonium sulphate .. ..	8,602	10,704	14,353
Hungary—			
Nitrates of soda and lime .. ..	169	158	159
Ammonium sulphate, etc. .. ..	5	6	14
Cyanamide .. ..	286	—	—
Liquid ammonia .. ..	65	—	—
Iceland—			
Nitrate of potash .. ..	6	(a)	(a)
Nitrate of lime .. ..	738	(a)	(a)
Nitrophoska .. ..	724	(a)	(a)
Ammonium nitrate .. ..	344	(a)	(a)

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Nitrate of potash .. .. .	583	752	845
Nitrate of soda .. .. .	32,737	38,947	62,757
Ammonium sulphate .. .. .	31	22	—
Ammonium chloride .. .. .	120	101	109
Cyanamide .. .. .	4,352	2,166	4,301
Latvia—			
Nitrate of potash .. .. .	73	53	50
Nitrate of soda .. .. .	7,701	7,216	3,992
Nitrate of lime .. .. .	4,133	9,131	7,780
Nitrophoska .. .. .	690	882	1,321
Ammonium sulphate .. .. .	787	2,161	3,222
Ammonium chloride .. .. .	18	54	24
Ammonium nitrate .. .. .	37	34	29
Lithuania—			
Nitrate of potash .. .. .	18	13	46
Nitrate of soda .. .. .	4,163	123	3,022
Nitrate of lime .. .. .	2,046	1,659	2,880
" Leuna " nitrate .. .. .	30	—	98
Nitrophoska .. .. .	—	1	50
Ammonium sulphate .. .. .	911	197	432
Netherlands—			
Nitrate of potash .. .. .	1,317	2,091	718
Nitrate of soda .. .. .	43,661	45,438	43,662
Nitrate of lime .. .. .	21,149	2	21
Ammonium sulphate .. .. .	65,884	53	3,003
Ammonium chloride .. .. .	329	279	350
Ammonium nitrate .. .. .	1,434	1,319	1,910
Lime ammonium nitrate .. .. .	15,320	1	46,217
Cyanamide .. .. .	14,417	13,874	16,768
Norway—			
Nitrate of potash .. .. .	143	75	133
Nitrate of soda .. .. .	20	25	310
Nitrophoska .. .. .	606	411	55
Ammonium sulphate .. .. .	132	11	50
Ammonium nitrate .. .. .	30	85	5
Poland—			
Nitrates of potash and soda .. .. .	11	—	—
Ammonium sulphate .. .. .	1,210	4,162	1,985
Ammonium chloride .. .. .	6	—	44

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Nitrate of potash .. .. .	219	647	80
Nitrate of soda .. .. .	5,688	2,720	4,130
Nitrate of lime .. .. .	367	729	346
Ammonium sulphate .. .. .	52,245	51,004	53,383
Ammonium chloride .. .. .	25	34	26
Ammonium nitrate .. .. .	97	236	207
Cyanamide .. .. .	2,478	3,761	2,478
Roumania—			
Nitrate of potash .. .. .	78	129	(a)
Nitrate of soda .. .. .	381	374	(a)
Ammonium nitrate .. .. .	417	515	(a)
Ammonium sulphate .. .. .	460	294	(a)
Ammonium chloride .. .. .	354	153	(a)
Liquid ammonia .. .. .	161	95	(a)
Spain—			
Nitrate of soda (Chilean) .. .. .	153,387	143,509	(a)
Nitrates of potash, soda and lime .. .. .	64,557	89,277	(a)
Ammonium sulphate .. .. .	327,435	388,541	(a)
Cyanamide .. .. .	770	933	(a)
Sweden—			
Nitrate of potash .. .. .	434	454	553
Nitrate of soda .. .. .	35,140	40,963	53,659
Nitrate of lime .. .. .	43,273	53,153	63,295
Ammonium nitrate .. .. .	74	73	51
Ammonium sulphate .. .. .	23,861	1,722	4,432
Ammonium chloride .. .. .	351	404	458
Liquid ammonia .. .. .	9	11	4
Switzerland—			
Nitrate of potash, crude .. .. .	2	2	3
Nitrate of soda (Chilean) .. .. .	786	960	405
Nitrates of potash and soda, purified .. .. .	672	815	912
Ammonium sulphate, etc. .. .. .	162	654	319
Ammonium chloride .. .. .	187	201	225
Liquid ammonia .. .. .	6	5	3
Yugoslavia—			
Nitrate of potash .. .. .	20	23	42
Nitrate of soda .. .. .	30	296	586
Ammonium sulphate .. .. .	253	179	286
Ammonium chloride .. .. .	135	165	163
Ammonium nitrate .. .. .	1,594	777	1,896
Liquid ammonia .. .. .	205	199	220

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Nitrate of potash .. .. .	49	63	261
Nitrate of soda .. .. .	729	354	1,049
Nitrate of lime .. .. .	568	350	823
Ammonium sulphate .. .. .	7,271	4,483	6,296
Ammonium nitrate .. .. .	89	—	(a)
Cyanamide .. .. .	245	91	434
Liquid ammonia .. .. .	38	54	39
Canary Islands (total imports)—			
Nitrate of soda (Chilean) .. ..	334	(a)	(a)
Nitrates of potash, soda and lime	1,127	(a)	(a)
Ammonium sulphate .. .. .	22,222	(a)	(a)
Egypt—			
Nitrate of soda .. .. .	180,479	188,514	202,519
Nitrate of lime .. .. .	144,291	236,374	173,404
Ammonium sulphate .. .. .	10,047	14,941	18,007
Ammonium chloride .. .. .	382	392	326
Cyanamide .. .. .	495	592	545
Sulpho-nitrate of ammonia .. ..	9,815	5,154	15,390
Ammonium nitrate .. .. .	2,706	22,893	19,272
Morocco—			
Nitrate of soda .. .. .	110	134	117
Nitrate of lime .. .. .	52	74	20
Ammonium sulphate .. .. .	496	918	994
Cyanamide .. .. .	18	—	10
Other nitrogen fertilizers .. ..	55	6	233
Madagascar—			
Nitrate of potash .. .. .	154	78	286
Nitrate of soda .. .. .	30	35	72
Ammonium sulphate .. .. .	158	347	254
Cyanamide .. .. .	22	5	—
Mozambique—			
Ammonium sulphate .. .. .	23	59	3
Réunion—			
Ammonium sulphate .. .. .	(a)	1,712	(a)
Tunis—			
Nitrate of potash .. .. .	35	27	22
Nitrate of soda .. .. .	168	137	69
Nitrate of lime .. .. .	118	—	502
Ammonium sulphate .. .. .	302	132	889

(a) Information not available.

## IMPORTS OF NITROGEN COMPOUNDS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Cuba—			
Nitrate of potash and soda ..	201	1,708	(a)
Guatemala—			
Nitrate of potash .. .. .	11	11	53
Mexico—			
Nitrates of potash and soda ..	6,196	7,367	3,398
Ammonium sulphate .. .. .	1,051	4,927	5,861
Ammonium chloride .. .. .	148	216	256
United States—			
Nitrate of potash .. .. .	32,764	41,076	58,876
Nitrate of soda .. .. .	292,435	389,145	469,385
Nitrate of lime .. .. .	31,904	23,143	36,959
Ammonium sulphate .. .. .	185,301	79,062	153,273
Ammonium chloride .. .. .	2,750	3,507	4,144
Ammonium nitrate .. .. .	2,282	33,101	57,005
Cyanamide .. .. .	82,458	100,233	112,863
Argentina—			
Nitrate of potash .. .. .	126	178	125
Nitrate of soda .. .. .	2,152	1,772	2,389
Ammonium sulphate .. .. .	32	196	197
Liquid ammonia .. .. .	16	11	20
Anhydrous ammonia .. .. .	763	744	662
Brazil (total imports)—			
Nitrate of potash .. .. .	3,445	1,912	5,559
Liquid ammonia .. .. .	101	45	26
Chile—			
Liquid ammonia .. .. .	14	15	11
Ammonium chloride .. .. .	} 554	59	99
Ammonium sulphate .. .. .		8	1
Ammonium nitrate .. .. .		1,909	1,868
Colombia—			
Nitrate of potash .. .. .	(a)	(a)	53
Nitrate of soda .. .. .	(a)	(a)	15
Nitrate of lime .. .. .	(a)	(a)	189
Ammonium chloride .. .. .	(a)	(a)	7
Ammonium sulphate .. .. .	(a)	(a)	301
Peru—			
Liquid ammonia .. .. .	40	34	36
Venezuela—			
Nitrate of potash .. .. .	35	79	(a)

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
China—			
Nitrate of potash .. .. .	773	399	264
Nitrate of soda .. .. .	1,630	1,838	1,660
Ammonium sulphate .. .. .	49,160	67,547	122,042
Ammonium chloride .. .. .	519	944	2,108
Liquid ammonia .. .. .	36	42	33
Formosa—			
Ammonium sulphate .. .. .	133,370	146,420	(a)
French Indo-China—			
Nitrate of potash .. .. .	63	52	49
Nitrate of soda .. .. .	2	2	3
Ammonium sulphate .. .. .	858	1,570	2,833
Liquid ammonia, etc. .. .. .	6	10	33
Cyanamide .. .. .	781	739	1,296
Japan (total imports)—			
Nitrate of soda .. .. .	39,175	61,538	79,825
Ammonium sulphate .. .. .	158,360	234,830	309,170
Ammonium chloride .. .. .	925	887	1,071
Korea (total imports)—			
Ammonium sulphate .. .. .	2,061	5,729	34,495
Cyanamide .. .. .	30,838	35,220	46,040
“Manchoukuo”—			
Nitrate of potash .. .. .	11	—	—
Nitrate of soda .. .. .	1,101	1,348	920
Ammonium sulphate .. .. .	620	363	683
Netherlands East Indies—			
Nitrate of potash .. .. .	140	146	163
Nitrate of soda .. .. .	34	28	61
Ammonium sulphate .. .. .	42,885	40,445	68,087
Ammonium chloride .. .. .	22	56	212
Liquid ammonia .. .. .	289	342	450
Philippine Islands—			
Nitrate of soda .. .. .	—	1,729	32
Ammonium sulphate .. .. .	57,293	33,862	46,241
Anhydrous ammonia .. .. .	(£5,300)	(£3,200)	(£3,800)
Syria and Lebanon—			
Nitrates .. .. .	1,139	1,065	999
Liquid ammonia .. .. .	5	11	12
Turkey—			
Nitrate of soda .. .. .	732	1,187	797
Ammonium chloride .. .. .	175	235	271

(a) Information not available.

**PETROLEUM AND ALLIED PRODUCTS**

**PRODUCTION OF CRUDE PETROLEUM**

(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom (c) (estimated) ..	119,000	118,000	119,000
Canada (b) .. .. .	178,594	183,116	189,921
Barbados .. .. .	480	410	340
Trinidad (b) .. .. .	1,492,378	1,598,798	1,813,292
Bahrein Islands .. .. .	40,700	180,700	626,000
British Borneo—			
Brunei .. .. .	371,591	441,744	451,621
Sarawak .. .. .	278,037	253,714	222,452
India (b) .. .. .	1,243,341	1,245,801	1,292,709
New Zealand .. .. .	636	760	(a)
Australia (Victoria) .. .. .	23	18	(a)
Total ..	3,720,000	4,020,000	4,720,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	4,113	6,512	7,348
Czechoslovakia .. .. .	25,561	19,631	18,369
Estonia (c) .. .. .	46,137	46,526	62,454
France .. .. .	77,122	74,632	78,087
Germany .. .. .	312,524	420,611	437,660
Greece .. .. .	261	—	(a)
Italy (c) .. .. .	19,861	15,725	15,852
Poland .. .. .	520,849	506,630	502,500
Roumania .. .. .	8,332,493	8,253,000	8,539,412
Spain (c) .. .. .	2,818	(a)	(a)
U.S.S.R. (Russia) .. .. .	23,835,500	24,841,300	26,980,000
Yugoslavia .. .. .	472	256	135
Algeria .. .. .	367	338	303
Egypt .. .. .	217,537	179,129	179,638
Morocco (French) .. .. .	542	108	154

(a) Information not available.

(b) The following conversion rates have been used: 35 gallons = 1 barrel, and the undermentioned barrels = 1 ton:—Canada 7·9, Trinidad 7·3, India 7·4.

(c) Including shale-oil.



## PRODUCTION OF CRUDE PETROLEUM (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Mexico (b) .. .. .	5,783,628	6,096,170	6,107,424
United States (b) .. .. .	122,711,500	134,675,100	148,448,100
Argentina (d) .. .. .	1,971,736	2,009,994	2,173,207
Bolivia .. .. .	22,645	23,328	14,752
Colombia (b) .. .. .	2,441,958	2,473,500	2,640,700
Ecuador .. .. .	234,145	241,000	334,431
Peru .. .. .	2,128,063	2,217,424	2,513,600
Venezuela .. .. .	20,385,588	21,640,000	22,582,910
China (c) .. .. .	373	(a)	(a)
Formosa (b) .. .. .	5,008	6,000	6,000
Iran (Persia) .. .. .	7,537,372	7,487,697	8,198,119
Iraq .. .. .	1,015,195	3,624,137	3,947,535
Japan (b) .. .. .	247,817	306,391	333,600
"Manchoukuo" .. .. .	96,410	60,000	(a)
Netherlands East Indies .. .. .	5,959,111	5,985,633	6,336,232
Total .. .. .	204,000,000	221,000,000	240,000,000
WORLD'S TOTAL .. .. .	208,000,000	225,000,000	245,000,000

(a) Information not available.

(b) The following conversion rates have been used: 35 gallons = 1 barrel, and the undermentioned barrels = 1 ton:—Mexico 6·6, United States 7·4, Colombia 7·1, Formosa 7·0, Japan 7·2.

(c) Including shale-oil.

(d) Converted from cubic metres at rate of 1 cubic metre = ·8843 long tons.

## PRODUCTION OF NATURAL GAS\*

(Thousand cubic feet)

Producing Country:	1934	1935	1936
BRITISH EMPIRE			
United Kingdom (estimated) .. ..	7,000	7,000	7,000
Canada .. ..	23,162,324	24,910,786	28,113,348
British Borneo (Brunei)	792,454	464,704	940,455
FOREIGN COUNTRIES			
Austria .. ..	535,447	3,126	3,361
Czechoslovakia .. ..	42,569	48,458	(a)
France .. ..	8,970	8,546	(a)
Hungary .. ..	84,902	(a)	(a)
Italy .. ..	529,394	436,291	460,776
Poland .. ..	16,560,688	17,146,642	17,067,713
Roumania .. ..	64,061,036	67,593,000	(a)
U.S.S.R. (Russia) ( <i>long tons</i> ) .. ..	1,372,000	1,530,500	1,830,000
Yugoslavia .. ..	31,812	49,480	52,376
Mexico .. ..	12,254,000	(a)	(a)
United States .. ..	1,770,721,000	1,916,595,000	2,175,000,000
Argentina .. ..	25,850,000	21,825,000	18,852,484
Venezuela .. ..	9,429,000	(a)	(a)
Formosa .. ..	721,055	(b) 500,000	(a)
Japan .. ..	1,664,083	1,464,650	(a)
Netherlands East Indies ( <i>long tons</i> )	1,066,990	1,077,655	1,227,844

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of natural gas are collected by only a few countries. Colombia and the Philippine Islands are amongst other producing countries.

\* The figures represent only that part of the gas produced which is actually utilized.

(a) Information not available.

(b) Estimated.

## PRODUCTION OF NATURAL ASPHALT, ETC.

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Barbados (exports of manjak) ..	27	27	11
Trinidad .. .. .	92,829	134,578	111,965
FOREIGN COUNTRIES			
Italy .. .. .	313	719	705
Poland (ozokerite) .. .. .	154	353	435
Cuba .. .. .	3,577	3,722	6,815
United States (sales)—			
Gilsonite .. .. .	27,103	29,667	26,988
Wurtzilite .. .. .	39	54	69
Iraq (b) .. .. .	19,906	50,992	30,043

NOTE.—Asphalt and ozokerite are also produced in U.S.S.R. (Russia).

(b) Year ended March 31 of the year following that stated.

## PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES			
France .. .. .	37,754	39,053	51,956
Germany .. .. .	64,242	71,181	107,100
Italy .. .. .	133,060	146,047	219,920
Spain .. .. .	6,421	(a)	(a)
Switzerland (exports) .. .. .	6,163	4,900	7,553
Yugoslavia .. .. .	115	121	127
Egypt .. .. .	—	167	—
United States (sales) .. .. .	366,476	280,454	488,690
Netherlands East Indies .. .. .	6,221	4,684	6,281
Syria.. .. .	8,912	10,000	5,700

NOTE.—Asphalt rock is also produced in U.S.S.R. (Russia).

(a) Information not available.

## PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	1,400,775	1,408,371	1,409,415
Australia .. .. .	3,476	30	—
FOREIGN COUNTRIES			
Austria .. .. .	405	345	295
Estonia .. .. .	579,656	594,744	754,306
France .. .. .	100,724	89,878	(a)
Germany (Bavaria) .. .. .	888	716	(a)
Italy .. .. .	4,642	12,440	17,764
Spain .. .. .	37,186	(a)	(a)
" Manchoukuo " .. .. .	2,073,000	3,383,000	(a)

NOTE.—Oil-shale is also produced in U.S.S.R. (Russia) and China.

(a) Information not available.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom*—			
Motor spirit .. .. .	474,751	438,603	410,652
Other spirit .. .. .	79,964	65,764	58,803
Kerosene .. .. .	125,349	121,978	135,142
Gas oil .. .. .	205,473	197,192	243,185
Fuel and diesel oil .. .. .	555,917	671,158	711,775
Lubricating oil .. .. .	98,816	102,904	106,548
Other oils .. .. .	650	—	277
Solid products .. .. .	488,202	491,041	552,038
Canada*—			
Motor spirit .. .. .	1,513,945	1,684,303	(a)
Other spirit .. .. .	118,996	159,209	(a)
Kerosene .. .. .	137,244	115,759	(a)
Gas oil .. .. .	392,328	} 1,879,873	(a)
Fuel oil .. .. .	1,474,958		
Lubricating oil .. .. .	75,906	71,454	(a)
Grease .. .. .	4,450	5,071	(a)
Paraffin wax and candles .. .. .	4,757	5,017	(a)
Coke .. .. .	55,143	64,456	(a)
Asphalt .. .. .	116,787	157,639	(a)
Barbados—			
Motor spirit .. .. .	290	440	500
Kerosene .. .. .	490	640	380
Fuel oil .. .. .	3,360	3,960	3,050
British Borneo (Sarawak)—			
Motor spirit .. .. .	64,067	48,594	41,391
Aviation spirit .. .. .	22,552	16,110	16,091
Kerosene .. .. .	16,889	35,069	30,736
Fuel oil .. .. .	371,164	406,699	388,022
Solar oil .. .. .	175,115	190,542	192,230
India*(b)—			
Aviation spirit .. .. .	7,104	9,607	8,766
Motor fuel .. .. .	252,727	284,974	297,234
Kerosene, etc. .. .. .	610,016	592,192	623,550
FOREIGN COUNTRIES			
Austria—			
Motor spirit .. .. .	78,362	75,423	75,594
Kerosene .. .. .	35,581	35,291	35,509
Gas-oil .. .. .	18,953	11,047	11,102

\* See note on page 280.

(a) Information not available.

(b) Production of natural gasoline was as follows:—

1934 .. .. .	30,787 long tons.
1935 .. .. .	31,859 " "
1936 .. .. .	29,764 " "

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Bulgaria—			
Motor spirit .. .. .	—	3,100	4,125
Kerosene .. .. .	—	1,800	6,578
Gas oil .. .. .	—	1,600	3,405
Fuel oil .. .. .	—	7,100	9,097
Czechoslovakia—			
Motor spirit .. .. .	129,198	134,141	148,326
Kerosene .. .. .	66,014	68,260	71,852
Gas oil .. .. .	31,562	29,309	29,309
Lubricating oil .. .. .	26,221	24,245	23,932
Paraffin wax .. .. .	4,309	5,076	4,693
Estonia—			
Motor spirit .. .. .	5,806	6,184	7,617
France—			
Motor spirit .. .. .	1,315,617	1,487,333	1,144,011
White spirit .. .. .	7,826	10,883	11,144
Other spirit .. .. .	233,450	423,587	363,730
Kerosene .. .. .	142,385	207,022	149,874
Gas oil .. .. .	291,631	307,739	251,838
Fuel oil .. .. .	1,455,684	1,976,921	1,793,418
Lubricating oil .. .. .	222,111	269,745	164,374
Road oil .. .. .	247,527	265,679	298,330
Paraffin wax .. .. .	2,751	3,811	4,748
Coke .. .. .	10,592	5,864	5,470
Germany (b)—			
Motor spirit .. .. .	364,681	571,568	(a)
Kerosene .. .. .	28,400	51,700	(a)
Gas oil, etc. .. .. .	228,500	461,300	(a)
Lubricating oil .. .. .	167,900	203,900	(a)
Paraffin wax, jelly, etc. .. .. .	16,768	19,861	(a)
Hungary—			
Motor spirit .. .. .	43,640	55,320	58,890
Kerosene .. .. .	56,100	59,190	65,500
Gas oil .. .. .	} 26,800	43,040	30,700
Fuel Oil .. .. .			28,110
Lubricating oil .. .. .	8,622	12,630	} 6,200
Paraffin wax, jelly, etc. .. .. .	6,100	6,220	
Italy—			
Motor spirit .. .. .	123,808	101,443	128,340
Kerosene .. .. .	37,250	49,081	40,490
Gas oil .. .. .	18,602	} 32,670	38,498
Diesel oil .. .. .	17,621		

(a) Information not available.

(b) Includes some oils distilled from coal.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—(cont.)			
Fuel oil .. .. .	74,765	92,458	108,167
Lubricating oil .. .. .	20,679	23,930	20,467
Other heavy oils .. .. .	2,773	4,638	6,778
Paraffin wax .. .. .	537	537	584
Coke .. .. .	36,815	19,385	26,199
Residuum .. .. .	11,869	25,803	44,851
Latvia—			
Motor spirit .. .. .	1,264	1,216	507
Kerosene .. .. .	1,581	1,197	502
Fuel oil, etc. .. .. .	1,886	1,971	(a)
Lubricating oils .. .. .	2,276	2,169	1,106
Poland—			
Motor spirit .. .. .	83,657	84,178	86,541
Kerosene .. .. .	169,044	145,016	143,211
Gas oil and fuel oil .. .. .	81,345	95,224	87,625
Lubricating oil .. .. .	84,322	70,776	61,155
Greases .. .. .	2,616	3,264	4,353
Paraffin wax .. .. .	27,858	24,712	24,653
Coke .. .. .	4,925	} 24,322	} 27,725
Asphalt .. .. .	22,475		
Other products .. .. .	1,191	13,752	7,386
Roumania—			
Motor spirit .. .. .	1,742,712	1,823,771	1,891,498
White spirit .. .. .	293,084	223,415	236,866
Kerosene .. .. .	1,034,531	1,121,815	1,033,085
Gas oil .. .. .	1,222,958	1,206,795	1,260,396
Fuel oil (b) .. .. .	2,937,094	2,788,624	2,745,673
Lubricating oil .. .. .	74,259	80,895	61,819
Paraffin wax .. .. .	7,407	7,697	7,865
Coke .. .. .	30,594	33,835	37,902
Asphalt .. .. .	82,887	66,934	80,482
Other products .. .. .	12,867	31,554	36,185
Sweden—			
Motor spirit .. .. .	12,100	10,115	(a)
Kerosene .. .. .	1,717	1,845	(a)
Fuel oil, etc. .. .. .	22,623	33,896	(a)
Asphalt .. .. .	20,005	24,259	(a)

(a) Information not available.

(b) Excluding amount consumed at the refineries, as follows:—

1934	.. .. .	450,819	long tons.
1935	.. .. .	394,059	„ „
1936	.. .. .	318,802	„ „

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)—			
Motor spirit .. .. .	2,273,400	2,392,000	2,956,000
Other spirit .. .. .	456,100	564,300	(a)
Kerosene .. .. .	4,391,300	4,799,900	5,325,000
Gas oil .. .. .	575,100	472,900	(a)
Solar oil .. .. .	157,400	—	(a)
Fuel oil .. .. .	8,384,800	8,433,000	(a)
Lubricating oil .. .. .	1,350,400	1,323,800	(a)
Asphalt .. .. .	203,600	217,300	(a)
Pitch .. .. .	17,800	125,900	(a)
Paraffin wax .. .. .	30,300	32,800	(a)
Canary Islands—			
Motor spirit .. .. .	80,000	80,000	60,000
Kerosene .. .. .	16,000	16,000	16,000
Gas oil .. .. .	80,000	80,000	34,000
Fuel oil .. .. .	180,000	180,000	137,000
Egypt—			
Motor spirit .. .. .	77,025	73,488	83,126
Kerosene .. .. .	26,329	25,415	28,765
Gas oil .. .. .	19,319	11,104	16,807
Fuel oil .. .. .	96,748	121,674	113,815
Diesel oil .. .. .	12,242	15,471	11,436
Fluxing oil .. .. .	—	656	753
Asphalt and coke .. .. .	57,637	91,004	84,408
Cuba (b)—			
Motor spirit .. .. .	35,500	43,850	43,700
Turpentine substitute .. .. .	—	—	79
Kerosene .. .. .	15,000	18,000	21,500
Gas oil and diesel oil .. .. .	9,600	13,000	16,100
Fuel oil .. .. .	—	—	17,400
Lubricating oil .. .. .	1,700	1,950	2,300
Asphalt .. .. .	3,900	5,814	3,000
Mexico—			
Motor spirit .. .. .	991,076	975,575	(a)
Kerosene .. .. .	252,133	235,596	(a)
Fuel oil .. .. .	2,969,539	2,616,052	(a)
Gas oil .. .. .	408,881	441,035	(a)
Lubricating oil .. .. .	68,800	89,052	(a)
Paraffin wax .. .. .	23,691	32,348	(a)
Coke .. .. .	1,845	—	(a)
Asphalt .. .. .	285,155	302,333	(a)

(a) Information not available.

(b) Production of natural gasoline was as follows:—

1934 .. .. .	3,000 long tons.
1935 .. .. .	(a)
1936 .. .. .	2,350 long tons.



PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
United States* (b)—			
Motor spirit .. .. .	44,612,950	48,979,000	54,038,508
Kerosene .. .. .	6,854,273	7,103,473	7,137,709
Gas oil and fuel oil distillates ..	13,296,080	14,032,900	17,591,000
Residual fuel oil .. .. .	35,055,563	37,891,292	41,662,833
Lubricants .. .. .	3,692,220	3,899,420	4,326,700
Paraffin wax .. .. .	209,250	201,000	211,125
Coke .. .. .	1,160,714	1,301,786	1,230,536
Asphalt .. .. .	2,536,161	2,781,355	3,737,589
Road oil .. .. .	869,400	844,200	1,069,040
Netherlands West Indies (exports)—			
Motor spirit .. .. .	2,425,138	2,386,036	4,064,761
Kerosene .. .. .	191,027	378,582	534,687
Gas oil .. .. .	978,930	938,189	1,058,871
Fuel oil .. .. .	8,813,366	10,392,062	11,003,258
Diesel oil .. .. .	760,032	778,612	1,313,963
Lubricating oil .. .. .	149,323	178,498	206,017
Argentina—			
Kerosene .. .. .	101,230	95,295	92,662
Motor spirit .. .. .	591,231	693,037	709,798
White spirit .. .. .	2,126	2,265	4,747
Fuel oil .. .. .	1,003,163	1,049,662	1,004,662
Gas oil .. .. .	192,325	180,323	161,499
Diesel oil, etc. .. .. .	67,085	104,440	178,351
Lubricating oil .. .. .	29,586	44,961	43,960
Asphalt .. .. .	15,360	20,759	26,638
Coke .. .. .	63,000	67,437	74,457
Bolivia—			
Aviation spirit .. .. .	334	473	162
Motor spirit .. .. .	7,808	8,315	5,208
Kerosene .. .. .	73	91	101
Fuel oil .. .. .	12,241	(a)	6,848
Colombia—			
Motor spirit .. .. .	46,349	50,605	79,295
Other spirit .. .. .	103	93	121
Kerosene .. .. .	11,385	9,952	12,005
Gas oil .. .. .	12,929	10,693	13,319
Fuel oil .. .. .	129,651	134,477	206,270
Lubricating oil .. .. .	2,752	3,946	3,097
Asphalt .. .. .	2,874	3,440	4,512

\* See note on page 280.

(a) Information not available.

(b) Production of natural gasoline was as follows:—

1934 .. .. .	4,194,972 long tons.
1935 .. .. .	4,513,623 „ „
1936 .. .. .	4,824,377 „ „

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Ecuador—			
Aviation spirit .. .. .	9	5	—
Motor spirit .. .. .	6,321	9,493	13,062
Kerosene .. .. .	2,681	5,700	6,978
Diesel oil .. .. .	3,909	4,997	5,693
Gas oil .. .. .	512	417	426
Lubricating oil .. .. .	295	278	548
Residuum .. .. .	13,981	20,412	27,421
Peru(c)—			
Motor spirit .. .. .	311,412	254,764	266,493
White spirit .. .. .	209	221	(a)
Kerosene .. .. .	76,260	158,482	133,873
Gas oil .. .. .	71,552	108,243	108,629
Fuel oil .. .. .	293,996	254,345	257,206
Lubricating oil .. .. .	5,812	4,503	4,540
Coke .. .. .	367	266	310
Asphalt .. .. .	1,299	1,136	4,540
Venezuela—			
Motor spirit .. .. .	105,560	101,557	99,543
Kerosene .. .. .	3,790	3,309	2,353
Gas oil .. .. .	67,479	69,192	74,631
Fuel oil .. .. .	904,934	925,313	1,009,198
Other products .. .. .	5,030	1,400	9,667
Formosa—			
Motor spirit .. .. .	8,714	5,800	(a)
Kerosene .. .. .	1,597	2,000	(a)
Gas oil .. .. .	232	1,600	(a)
Fuel oil .. .. .	448	4,200	(a)
Lubricating oil .. .. .	91	3,600	(a)
Iraq—			
Motor spirit .. .. .	12,717	13,151	15,895
Kerosene .. .. .	15,533	15,657	16,969
Gas oil .. .. .	—	—	221
Fuel oil .. .. .	56,529	57,747	57,765
Japan—			
Motor spirit .. .. .	352,800	409,700	(a)
Kerosene .. .. .	60,600	81,200	(a)
Gas oil .. .. .	144,500	205,000	(a)
Fuel oil and diesel oil .. .. .	207,200	193,500	(a)
Lubricating oil .. .. .	194,500	239,300	(a)
Paraffin wax .. .. .	11,169	12,451	(a)
Pitch .. .. .	72,284	127,339	(a)
Asphalt .. .. .	56,042	67,439	(a)

(a) Information not available.

(c) Production of natural gasoline was as follows:—

1934	.. .. .	111,231	long tons.
1935	.. .. .	137,373	,, ,,

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN  
COUNTRIES (*Cont.*)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Netherlands East Indies—			
Motor spirit ( <i>b</i> ) .. .. .	1,497,260	1,723,109	1,832,014
White spirit .. .. .	27,116	36,410	62,877
Kerosene .. .. .	793,662	803,371	972,483
Fuel oil, solar oil and diesel oil ..	1,952,279	2,039,617	2,182,166
Lubricating oil .. .. .	25,225	22,578	22,912
Impregnating oils .. .. .	6,664	6,020	4,992
Paraffin wax and ceresine .. .. .	69,927	57,488	62,129
Asphalt .. .. .	8,713	10,092	15,874

(*b*) Includes benzine from natural gas as follows:—

1934 .. .. .	193,458 long tons
1935 .. .. .	183,215 „ „

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS\*

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Motor spirit .. .. .	183,482	256,785	174,076
Other spirit .. .. .	6,692	5,557	2,629
Kerosene .. .. .	38,152	29,571	64,304
Gas oil .. .. .	93,696	90,376	90,298
Fuel oil .. .. .	39,998	70,948	87,095
do. (bunkers) (b) .. .. .	1,435,006	1,264,726	1,228,191
Lubricating oil .. .. .	40,305	51,157	46,240
Other refined oils .. .. .	820	618	231
Mineral jelly .. .. .	281	344	325
Paraffin wax .. .. .	3,660	4,723	5,243
Malta—			
Aviation spirit ("bunkers") (b) ..	37	29	1
Gas oil (bunkers) (b) .. .. .	327	707	712
Fuel oil (bunkers) (b) .. .. .	675	1,601	5,901
Kenya and Uganda—(bunkers) (b)			
Motor spirit .. .. .	52	130	119
Kerosene .. .. .	5	5	3
Fuel oil .. .. .	45,285	42,766	47,015
Lubricating oil .. .. .	15	31	21
Sierra Leone—			
Fuel oil (bunkers) (b) .. .. .	19	1,154	1,995
Union of South Africa—			
Fuel oil (bunkers) (b) .. .. .	38,303	77,709	160,627
Canada—			
Crude petroleum .. .. .	22	4	1
Motor spirit .. .. .	15,597	11,010	11,079
Kerosene, etc. .. .. .	2,845	2,934	2,297
Fuel oil, etc. .. .. .	54,145	39,591	83,446
Mineral wax .. .. .	118	260	17
British West Indies—			
Barbados—			
Manjak .. .. .	27	27	11
Jamaica—			
Motor spirit (bunkers) (b) ..	337	354	356

\* The following rates have been used for converting Imperial gallons to long tons :—Aviation spirit 300, Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Crude petroleum 245.

(b) Foreign produce. See imports.

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
British West Indies—(cont.)			
Trinidad and Tobago—			
Crude petroleum .. .. .	67,181	39,205	59,714
Motor spirit (c) .. .. .	299,399	314,742	340,885
Kerosene .. .. .	9,171	16,145	18,819
Gas oil (c) .. .. .	28,212	19,206	56,594
Fuel oil .. .. .	407,553	619,312	766,006
do. (bunkers) .. .. .	554,348	501,082	462,383
Lubricating oil .. .. .	17	16	15
Road oil .. .. .	3,784	3,660	3,821
Asphalt—			
Crude .. .. .	155	7,562	6,550
Dried .. .. .	48,730	66,145	51,791
Cement .. .. .	6,568	8,058	11,484
Aden (including re-exports)—			
Motor spirit .. .. .	88	163	54
Kerosene .. .. .	185	287	151
Fuel oil (bunkers) (b) .. .. .	584,474	628,653	665,686
Other oils .. .. .	331	4,472	26,247
British Borneo—			
Brunei—			
Crude petroleum .. .. .	371,591	441,744	445,081
Natural gas (1,000 cubic feet) .. .. .	792,454	464,704	516,104
Sarawak—			
Crude petroleum .. .. .	14,319	—	—
Motor spirit .. .. .	91,708	70,136	52,775
Kerosene .. .. .	13,631	40,395	37,705
Diesel oil .. .. .	—	57	73
Fuel oil .. .. .	433,660	459,459	465,984
Lubricating oil .. .. .	69	101	107
Solar oil .. .. .	93,337	96,218	117,554
British India—			
Crude petroleum .. .. .	14,496	12,893	13,341
Aviation spirit ("bunkers") .. .. .	291	415	461
Motor spirit .. .. .	1,889	2,092	2,327
Kerosene .. .. .	2,477	2,397	2,519
Fuel oil (bunkers) (domestic produce) .. .. .	—	176	1,353
do. do. (foreign produce) .. .. .	59,814	57,106	65,052
Paraffin wax .. .. .	47,116	53,202	43,725
British Malaya (including re-exports)—			
Crude petroleum .. .. .	8	2	6
Aviation spirit ("bunkers") .. .. .	(a)	(a)	607
Motor spirit .. .. .	320,573	354,591	240,593
Kerosene .. .. .	53,846	71,652	92,124
Fuel oil .. .. .	93,537	100,373	164,174
do. (bunkers) .. .. .	152,087	192,529	186,170

(a) Information not available. (b) Years ended March 31st. Foreign produce.

(c) Including bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
British Malaya (including re-exports)—( <i>cont.</i> )			
Lubricating oil .. .. .	4,684	2,130	2,230
Other petroleum products ..	43	31	51
Paraffin wax .. .. .	129	66	75
Asphalt and bitumen .. ..	890	524	1,118
Ceylon ( <i>b</i> )—			
Crude petroleum (bunkers) ..	254,039	264,301	242,947
Hong Kong (including re-exports)—			
Motor spirit .. .. .	27,059	27,021	26,131
Kerosene .. .. .	12,906	15,938	39,047
Fuel oil .. .. .	100,155	92,016	70,736
do. (bunkers) ( <i>b</i> ) .. .. .	28,159	37,971	54,291
Diesel oil .. .. .	57,488	72,394	59,012
Lubricating oil .. .. .	5,805	7,318	6,632
Other petroleum oils .. ..	73	33	57
Greases .. .. .	233	207	259
Petroleum jelly .. .. .	47	63	84
Paraffin wax .. .. .	8,030	7,940	7,928
Australia—			
Motor spirit, etc. .. .. .	21	—	74
Kerosene .. .. .	1	9	47
Lubricating oil .. .. .	97	101	197
Residual and solar oils .. ..	17	6	5
Greases .. .. .	214	162	211
Paraffin wax, etc. .. .. .	20	25	36
Fiji ( <i>b</i> )—			
Fuel oil (bunkers) .. .. .	10	1,912	3,094
New Zealand—			
Fuel oil (bunkers) ( <i>b</i> ) .. ..	77,848	65,293	73,841
FOREIGN COUNTRIES			
Albania—			
Crude petroleum .. .. .	—	4,129	45,217
Bitumen .. .. .	6,388	6,677	6,984
Austria—			
Motor spirit .. .. .	124	66	1
Kerosene .. .. .	6	6	8
Lubricating oils and greases ..	65	123	190
Petroleum jelly and paraffin wax ..	3	1	1
Ozokerite and ceresin .. ..	100	98	158
Asphalt .. .. .	347	597	229
Petroleum coke .. .. .	101	69	17

(b) Foreign produce. See imports.

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U. (c)—			
Crude petroleum .. .. .	29,327	2	986
Motor spirit .. .. .	2,230	12,516	27,128
Kerosene .. .. .	43	2,211	6,555
Fuel oil, etc. .. .. .	126,612	121,496	147,030
do. (bunkers) .. .. .	137,725	101,738	90,764
Lubricating oil .. .. .	103,974	87,372	69,210
do. (bunkers) .. .. .	350	1,045	1,313
Other heavy oils .. .. .	39	21	2
Petroleum jelly .. .. .	1,422	1,057	1,840
Paraffin wax .. .. .	5,119	5,392	5,349
Ozokerite and ceresin .. .. .	119	321	122
Asphalt, bitumen, etc. .. .. .	1,746	1,824	1,061
Residual asphalt .. .. .	20,100	23,643	22,269
Bulgaria—			
Fuel oil .. .. .	—	—	747
Lubricating oil .. .. .	1	13	—
Czechoslovakia—			
Kerosene, etc. .. .. .	40	—	—
Lubricating oil, etc. .. .. .	3,060	1,884	1,931
Paraffin wax .. .. .	63	7	450
Ozokerite and ceresin .. .. .	241	203	247
Asphalt products .. .. .	68	114	69
Denmark—			
Lubricating oil .. .. .	306	175	149
Paraffin wax, etc. .. .. .	89	92	128
Estonia—			
Shale oil .. .. .	13,660	14,593	11,338
Motor spirit .. .. .	2,046	1,725	3,044
Oil-shale .. .. .	58	—	—
Bitumen and asphalt .. .. .	1,424	1,748	3,261
France—			
Crude petroleum .. .. .	5,852	3,688	(b) 2,617
Motor spirit .. .. .	6,804	74,762	(b) 79,893
Kerosene .. .. .	16,312	31,583	(b) 37,742
Crude, kerosene and motor spirit—			
Bunkers (domestic produce) .. .. .	5,395	13,117	(a)
Bunkers (foreign produce) .. .. .	17,050	8,592	(a)

(a) Information not available.

(b) Including bunkers for foreign ships.

(c) Revised figures for 1934 and 1935. Includes "improvement trade."

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Lubricating oil .. .. .	104,017	52,020	(b) 31,046
Gas oil .. .. .	48,756	61,013	(b) 27,394
Fuel oil .. .. .	132,497	119,969	(b) 278,484
Road oil, etc. .. .. .	47,647	46,796	46,781
Heavy and residual oils—			
Bunkers (domestic produce) ..	472,416	883,530	(a)
Bunkers (foreign produce) ..	676,651	346,509	(a)
Petroleum jelly .. .. .	58	59	52
Paraffin wax .. .. .	1,327	1,466	1,034
Ozokerite, ceresin, etc. .. .. .	129	143	141
Petroleum coke, etc. .. .. .	1,708	1,449	710
Asphalt and bitumen .. .. .	16,569	22,091	31,405
Germany—			
Motor spirit .. .. .	10,742	53,383	42,543
Kerosene .. .. .	36	7,592	1,129
Gas oil .. .. .	13,966	9,898	1,979
do. (bunkers for foreign ships)	13,930	23,734	10,805
Fuel oil .. .. .	785	24,833	27,315
do. (bunkers for foreign ships)	2,143	18,501	20,721
Lubricating oil .. .. .	71,023	91,589	101,118
do. (bunkers for foreign ships)	161	104	220
Paraffin wax .. .. .	299	745	288
Ozokerite, etc. .. .. .	5,207	7,157	7,289
Asphalt .. .. .	4,341	4,053	7,752
Hungary—			
Motor spirit .. .. .	789	905	16
Gas oil .. .. .	15	1	70
Lubricating oil .. .. .	702	473	128
Paraffin wax .. .. .	11	—	—
Asphalt, bitumen and tar .. .. .	31	6	14
Italy—			
Crude petroleum (b) .. .. .	28	30	18
Motor spirit (b) .. .. .	3,426	13,953	24,054
Kerosene (b) .. .. .	372	175	787
Lubricating oil (b) .. .. .	3,364	3,973	3,328
Other oils and residues (b) .. .. .	5,489	10,663	12,850
Paraffin wax .. .. .	2	3	3
Ceresin .. .. .	47	87	50
Asphalt and bitumen .. .. .	22,019	15,858	29,535
Petroleum jelly .. .. .	4	16	7

(a) Information not available.

(b) Including bunkers for foreign ships.



## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Lubricating oil .. .. .	6	18	5
Lithuania—			
Kerosene .. .. .	6	4	—
Netherlands—			
Motor spirit .. .. .	31	140	26
Gas oil .. .. .	7,035	6,602	17,471
do. (bunkers) (b) .. .. .	57,199	72,873	120,892
Fuel oil .. .. .	14,950	4,872	6,063
do. (bunkers) (b) .. .. .	149,413	175,057	229,422
Lubricating oil .. .. .	464	499	530
Greases .. .. .	51	26	11
Petroleum jelly .. .. .	650	360	537
Paraffin wax .. .. .	348	165	225
Ozokerite and ceresin .. .. .	22	50	63
Asphalt .. .. .	50,648	47,164	41,479
Natural asphalt .. .. .	137	213	66
Norway—			
Lubricating oil .. .. .	4,165	2,220	1,933
Asphalt .. .. .	39	4	50
Poland—			
Motor spirit .. .. .	54,742	40,840	48,606
Kerosene .. .. .	30,244	29,163	20,141
Fuel oil and gas oil .. .. .	33,564	29,373	24,241
Lubricating oils .. .. .	28,358	17,019	16,340
Greases .. .. .	90	60	41
Paraffin wax .. .. .	18,303	18,924	10,818
Ozokerite and ceresin .. .. .	229	323	381
Petroleum coke .. .. .	1,845	1,738	1,157
Asphalt and tar .. .. .	6,329	1,030	2,322
Portugal—			
Fuel oil (bunkers) .. .. .	490	201	5,282
Other mineral oils .. .. .	503	923	1,828
do. (bunkers) .. .. .	301	516	51
Roumania—			
Crude petroleum .. .. .	269,765	330,128	618,657
Motor spirit .. .. .	1,926,773	1,921,092	1,988,380
Kerosene .. .. .	1,068,290	1,148,904	1,128,714
Fuel oil .. .. .	3,067,782	2,995,779	2,899,387
Residual oils .. .. .	61,016	57,843	36,619
Paraffin wax .. .. .	5,413	4,487	4,190
Tar and pitch .. .. .	43,457	36,717	23,065

(b) Including imported oil.

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Roumania—(cont.)			
Greases .. .. .	1	—	(a)
Asphalt and bitumen .. .. .	266	375	(a)
Petroleum coke .. .. .	1,090	12,927	1,801
Spain—			
Motor spirit .. .. .	68	1	(a)
Kerosene .. .. .	8	11	(a)
Gas oil .. .. .	953	—	(a)
Lubricating oil .. .. .	15	1	(a)
Residual pitch .. .. .	3	—	(a)
Sweden—			
Motor spirit .. .. .	1,648	436	10,861
Kerosene .. .. .	17,135	11,355	6,582
Fuel oil and gas oil .. .. .	6,946	18,111	16,348
Lubricating oil .. .. .	673	1,380	1,298
Other refined oils .. .. .	49	40	105
Paraffin wax .. .. .	2	10	10
Asphalt .. .. .	52	38	93
Pitch .. .. .	5,549	3,109	2,414
Switzerland—			
Motor spirit .. .. .	14	34	31
Fuel oil .. .. .	29	10	6
Lubricating oil and grease .. .. .	82	71	82
Asphalt and bitumen .. .. .	6,163	4,900	7,553
Paraffin wax and ceresin .. .. .	4	6	12
U.S.S.R. (Russia)—			
Crude petroleum .. .. .	451,277	203,424	163,924
Motor spirit .. .. .	1,102,250	647,860	412,583
Kerosene .. .. .	428,694	409,630	376,798
Fuel oil .. .. .	1,280,319	1,115,775	811,941
Gas oil .. .. .	556,601	507,915	536,410
Diesel oil .. .. .	83,694	90,055	49,618
Lubricating oil .. .. .	275,057	303,041	249,172
Solar oil .. .. .	25,444		
Ozokerite .. .. .	425	227	197
Petroleum jelly .. .. .	4	20	32
Asphalt .. .. .	28,451	19,083	10,437
Paraffin wax .. .. .	13,915	14,269	11,837
Petroleum coke .. .. .	66	—	—
Yugoslavia—			
Motor spirit .. .. .	4	—	—
Lubricating oil .. .. .	29	5	3
Algeria—			
Motor spirit .. .. .	12	49	255
Kerosene .. .. .	13	7	8

(a) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Algeria—( <i>cont.</i> )			
Gas oil ( <i>c</i> ) .. .. .	285	111	( <i>a</i> )
Fuel oil ( <i>c</i> ) .. .. .	41	8	( <i>a</i> )
Lubricating oil .. .. .	129	110	( <i>a</i> )
Road oils, etc. .. .. .	45	38	( <i>a</i> )
Asphalt and bitumen .. .. .	878	1,728	( <i>a</i> )
Belgian Congo—			
Motor spirit .. .. .	253	362	45
Kerosene .. .. .	31	5	8
Fuel oil .. .. .	340	71	662
Lubricating oil and greases .. .. .	123	88	133
Canary Islands—			
Motor spirit .. .. .	40,537	( <i>a</i> )	( <i>a</i> )
Kerosene .. .. .	7,076	( <i>a</i> )	( <i>a</i> )
Gas oil .. .. .	20,441	( <i>a</i> )	( <i>a</i> )
Fuel oil .. .. .	31,022	( <i>a</i> )	( <i>a</i> )
Lubricating oil .. .. .	95	( <i>a</i> )	( <i>a</i> )
Egypt—			
Motor spirit .. .. .	27,984	22,923	22,849
Kerosene .. .. .	551	2,403	1,878
Fuel oil, etc. .. .. .	1,429	11,150	4,374
do. (bunkers) .. .. .	61,581	49,504	47,901
Lubricating oil .. .. .	62	70	182
Asphalt, etc. .. .. .	46,537	75,231	47,966
French West Africa ( <i>b</i> )—			
Motor spirit (bunkers) .. .. .	47	386	658
Fuel oil (bunkers) .. .. .	286,402	373,826	468,205
Spanish Morocco ( <i>b</i> )—			
Ceuta—			
Fuel oil (bunkers) .. .. .	8,122	( <i>a</i> )	( <i>a</i> )
Lubricating oil .. .. .	22	( <i>a</i> )	( <i>a</i> )
Melilla—			
Fuel oil .. .. .	3	( <i>a</i> )	( <i>a</i> )
Lubricating oil .. .. .	29	( <i>a</i> )	( <i>a</i> )
Cuba (including re-exports)—			
Natural asphalt .. .. .	7,261	4,949	4,770

(*a*) Information not available.

(*b*) Foreign produce. *See* imports.

(*c*) Includes bunkers of domestic produce, but excludes bunkers of foreign produce (fuel oil, gas oil, and diesel oil) as follows:—

1934	.. .. .	300,353	long tons.
1935	.. .. .	323,818	” ”
1936	.. .. .	326,599	” ”

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Mexico (b)—			
Crude petroleum .. .. .	1,787,606	1,312,969	1,048,216
Motor spirit .. .. .	309,781	389,886	486,056
Kerosene .. .. .	118,970	98,977	75,451
Fuel oil .. .. .	931,441	813,861	1,155,208
Gas oil .. .. .	167,532	254,482	387,684
Lubricating oil .. .. .	47,924	57,354	54,088
Asphalt .. .. .	298,018	277,514	329,805
Netherlands West Indies—			
Crude petroleum .. .. .	1,203,556	870,598	1,251,979
Motor spirit .. .. .	2,425,138	2,386,036	4,064,761
Kerosene .. .. .	191,027	378,582	534,687
Gas oil .. .. .	966,609	924,978	} 1,058,871
do. (bunkers) .. .. .	12,321	13,211	
Fuel oil .. .. .	8,136,824	9,746,687	9,972,500
do. (bunkers) .. .. .	676,542	645,375	1,030,800
Diesel oil .. .. .	572,038	535,330	870,918
do. (bunkers) .. .. .	187,994	243,282	443,000
Lubricating oil .. .. .	149,323	178,498	206,017
St. Pierre and Miquelon—			
Gas oil and fuel oil (bunkers) ..	100	(a)	(a)
United States—			
Crude petroleum .. .. .	5,557,712	6,950,003	6,800,086
Motor spirit .. .. .	2,474,748	3,093,413	2,761,770
Natural gasolene .. .. .	172,000	189,000	218,000
Kerosene .. .. .	1,222,708	822,457	853,827
Gas oil and distillate fuel oil ..	1,875,776	2,050,330	2,566,062
Residual fuel oil .. .. .	1,834,401	1,651,775	1,889,323
Fuel oil (bunkers) .. .. .	4,360,220	4,419,294	4,871,804
Lubricating oil .. .. .	1,052,368	1,171,278	1,271,337
Transformer oil .. .. .	5,258	4,751	3,361
Turpentine substitutes .. .. .	5,547	9,033	8,459
Greases .. .. .	37,277	42,209	39,662
Paraffin wax .. .. .	88,948	102,618	83,607
Petroleum jelly .. .. .	6,101	6,615	9,900
Asphalt, bitumen, etc. .. .. .	213,479	216,120	182,901
Petroleum coke .. .. .	102,025	119,228	111,231
Argentina—			
Motor spirit .. .. .	7,378	4,295	1,660
Kerosene .. .. .	844	634	1,345
Gas oil .. .. .	696	1,173	435
Fuel oil .. .. .	111,775	88,262	90,472
Diesel oil .. .. .	5,808	6,245	5,083
Lubricating oil .. .. .	463	379	230
Grease .. .. .	27	40	34
Asphalt .. .. .	496	985	2,369

(a) Information not available.

(b) Including bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Chile—			
Crude petroleum ( <i>b</i> ) .. ..	1,007	2,245	650
Motor spirit ( <i>b</i> ) .. .. .	12	18	14
Kerosene ( <i>b</i> ) .. .. .	4	4	2
Diesel oil ( <i>b</i> ) .. .. .	372	1,836	833
Lubricating oil ( <i>b</i> ) .. ..	17	6	4
Tar and pitch .. .. .	214	284	318
Colombia—			
Crude petroleum .. .. .	2,313,483	2,242,659	2,319,174
Ecuador—			
Crude petroleum .. .. .	171,281	197,591	180,000
Motor spirit .. .. .	324	94	( <i>a</i> )
Peru—			
Crude petroleum .. .. .	1,329,970	1,404,275	1,481,390
Motor spirit .. .. .	383,210	302,633	301,791
Kerosene .. .. .	38,132	142,568	112,171
Gas oil .. .. .	70,123	41,814	72,048
Fuel oil .. .. .	70,045	54,865	20,283
do. (bunkers) .. .. .	52,663	46,099	42,113
Lubricating oil and grease ..	1,066	854	844
Venezuela—			
Crude petroleum .. .. .	18,483,156	20,123,043	21,400,000
Motor spirit .. .. .	46,394	38,146	( <i>a</i> )
Gas oil .. .. .	49,409	39,669	( <i>a</i> )
Fuel oil .. .. .	792,192	929,104	( <i>a</i> )
Diesel oil .. .. .	3,840	6,300	( <i>a</i> )
Asphalt .. .. .	4	—	( <i>a</i> )
Formosa—			
Motor spirit .. .. .	408	105	( <i>a</i> )
Kerosene .. .. .	2,322	3,865	( <i>a</i> )
Lubricating oil .. .. .	146	143	( <i>a</i> )
Other light oils .. .. .	2,900	5,000	( <i>a</i> )
French Indo-China—			
Motor spirit, etc. .. .. .	46	30	5
Gas oil .. .. .	—	46	—
Lubricating oil, etc. .. ..	37	50	21

(*a*) Information not available.

(*b*) Including bunkers on foreign ships.

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS—(Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Iran (Persia) (c)—			
Crude petroleum .. .. .	1,544,234	699,958	1,483,807
Motor spirit .. .. .	1,503,339	1,750,432	1,454,512
Kerosene .. .. .	439,084	442,358	455,870
Fuel oil .. .. .	3,690,622	4,129,964	3,357,145
Lubricating oil .. .. .	33	110	—
Iraq—			
Crude petroleum and fuel oil ..	823,723	3,530,138	3,933,250
Motor spirit .. .. .	1,080	483	386
Kerosene .. .. .	25	69	16
Asphalt .. .. .	25	13	19
Japan—			
Motor spirit .. .. .	(b)	1,953	145
Kerosene .. .. .	3,548	8,871	19,345
Lubricating oil .. .. .	(b)	12,538	13,725
Other oils .. .. .	26,487	13,159	16,092
“ Manchoukuo ”—			
Shale oil .. .. .	39,934	52,916	94,285
Paraffin wax .. .. .	14,030	17,937	20,966
Netherlands East Indies—			
Crude petroleum .. .. .	476,543	239,258	148,156
Motor spirit .. .. .	1,431,542	1,623,347	1,651,695
Kerosene .. .. .	564,255	570,437	780,697
Fuel and motor oils .. .. .	1,856,356	2,153,795	2,217,466
do. (bunkers) .. .. .	364,977	346,766	297,473
Batching oil .. .. .	7,521	3,586	7,266
Lubricating oil .. .. .	24,451	19,861	20,178
Greases .. .. .	413	472	498
Paraffin wax .. .. .	61,214	53,904	52,454
Asphalt .. .. .	157	267	45
Turpene .. .. .	31,812	45,042	75,318
Syria and Lebanon—			
Asphalt and bitumen .. .. .	2,161	2,371	1,715

(b) Included with “ other oils.”

(c) Including re-exports; years ended June 21.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS\*

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Crude petroleum .. .. .	1,887,562	1,931,781	2,035,249
Motor spirit .. .. .	3,546,976	3,878,747	4,017,094
Other spirit .. .. .	69,260	57,367	64,477
Kerosene .. .. .	769,228	678,520	756,207
Fuel oil .. .. .	2,688,984	2,634,832	2,740,142
Gas oil .. .. .	483,229	400,329	403,875
Lubricating oil .. .. .	387,963	388,663	446,520
Other petroleum oils .. .. .	4,238	1,775	1,205
Mineral jelly .. .. .	6,525	6,853	6,915
Paraffin wax .. .. .	50,205	56,265	51,592
Ozokerite .. .. .	688	875	207
Asphalt and bitumen .. .. .	83,970	90,792	88,231
Irish Free State—			
Motor spirit .. .. .	113,759	115,252	114,986
Kerosene .. .. .	60,365	58,338	60,052
Fuel oil and gas oil .. .. .	30,061	33,868	37,037
Lubricating oil .. .. .	9,254	8,726	10,296
Paraffin wax .. .. .	3,544	3,651	3,693
Asphalt and bitumen .. .. .	22,083	24,502	21,049
Malta—			
Motor spirit .. .. .	9,855	9,804	9,736
Petroleum .. .. .	22,362	20,526	19,839
Fuel oil .. .. .	6,299	(b) 7,566	8,984
Gas oil .. .. .	2,640	7,527	1,702
Anglo-Egyptian Sudan—			
Motor spirit .. .. .	6,948	10,348	13,598
Kerosene .. .. .	4,915	5,314	5,228
Fuel oil .. .. .	11,617	14,482	16,050
Lubricating oil, etc. .. .. .	1,424	1,742	2,256
Asphalt, etc. .. .. .	379	596	540
Gambia—			
Motor spirit .. .. .	435	622	431
Kerosene .. .. .	221	216	184
Fuel oil .. .. .	207	193	217
Lubricating oil .. .. .	57	67	49

\* The following rates have been used for converting Imperial gallons to long tons :—Aviation spirit 300, Motor spirit 305, Kerosene 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Crude petroleum 245.

(b) Excess of re-exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
Gold Coast—			
Motor spirit .. .. .	13,262	18,107	20,445
Kerosene .. .. .	7,241	9,125	7,544
Fuel oil .. .. .	6,846	13,791	20,444
Lubricating oil .. .. .	1,691	2,324	1,989
Asphalt .. .. .	51	2	33
Kenya and Uganda—			
Motor spirit .. .. .	16,188	24,052	20,283
Kerosene .. .. .	9,589	8,156	13,177
Fuel oil ( <i>b</i> ) .. .. .	61,525	61,496	63,336
Lubricating oil .. .. .	2,013	2,863	1,942
Greases .. .. .	142	203	179
Mauritius—			
Motor spirit .. .. .	4,015	3,868	4,706
Kerosene .. .. .	1,850	1,901	2,226
Lubricating oils, etc. .. .. .	437	465	598
Fuel oil .. .. .	207	394	500
Refined motor grease .. .. .	77	54	70
Natural asphalt, etc. .. .. .	1,002	815	1,098
Nigeria—			
Motor spirit .. .. .	11,937	15,575	21,612
Kerosene .. .. .	7,976	7,436	11,064
Fuel oil .. .. .	1,230	2,160	3,266
Lubricating oil .. .. .	1,558	1,833	1,803
Asphalt tar .. .. .	686	791	1,104
Pitch, etc. .. .. .	84	120	119
Northern Rhodesia—			
Motor spirit .. .. .	3,043	3,292	3,244
Kerosene .. .. .	394	339	351
Gas oil .. .. .	120	113	135
Lubricating oil .. .. .	524	559	522
Asphalt and bitumen .. .. .	291	13	4
Nyasaland—			
Motor spirit .. .. .	1,480	1,562	1,664
Kerosene, etc. .. .. .	209	211	234
Fuel oil .. .. .	82	194	340
Lubricating oil .. .. .	133	136	138
Seychelles—			
Motor spirit .. .. .	51	73	83
Kerosene .. .. .	105	124	95
Fuel oil .. .. .	88	84	77
Lubricating oil .. .. .	12	12	10

(b) Imported chiefly for bunkering purposes.



## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
Sierra Leone—			
Motor spirit .. .. .	804	1,114	1,220
Kerosene .. .. .	982	1,336	1,452
Fuel oil .. .. .	6,636	741	8,309
Lubricating oil .. .. .	114	141	178
Somaliland Protectorate—			
Motor spirit .. .. .	369	539	759
Kerosene .. .. .	277	295	307
Southern Rhodesia—			
Motor spirit .. .. .	13,846	17,291	19,707
Kerosene .. .. .	1,316	1,508	1,610
Gas oil .. .. .	742	894	847
Lubricating oil .. .. .	2,118	2,377	2,611
Other oils (total imports) .. .. .	5,869	10,990	13,039
Paraffin wax .. .. .	551	593	563
Asphalt and bitumen .. .. .	2,010	1,496	6,497
South West Africa—			
Motor spirit .. .. .	2,603	3,286	4,890
Kerosene .. .. .	927	1,008	1,036
Lubricating oil .. .. .	334	417	511
Other oils .. .. .	2,501	2,528	3,072
Asphalt and bitumen .. .. .	38	9	79
Tanganyika Territory—			
Motor spirit .. .. .	5,558	6,898	8,966
Kerosene .. .. .	3,702	4,531	5,145
Fuel oil .. .. .	5,498	7,579	8,408
Lubricating oil .. .. .	888	1,446	1,297
Greases .. .. .	47	46	64
Union of South Africa—			
Motor spirit .. .. .	297,051	330,685	386,485
Turpentine substitute .. .. .	2,117	2,617	2,691
Kerosene .. .. .	51,992	46,643	50,310
Gas oil .. .. .	29,973	19,998	26,280
Fuel oil .. .. .	76,719	150,123	244,011
Lubricating oil .. .. .	29,159	28,165	32,621
Road oil .. .. .	1,139	2,282	4,014
Other oils .. .. .	419	754	890
Greases .. .. .	2,363	2,544	2,786
Paraffin wax .. .. .	9,665	11,759	11,310
Asphalt and bitumen .. .. .	20,709	22,840	32,861
Petroleum jelly .. .. .	945	960	992
Zanzibar—			
Motor spirit .. .. .	1,004	1,093	1,359
Kerosene, etc. .. .. .	980	3,996	1,384
Fuel oil .. .. .	335	1,007	729
Lubricating oil, etc. .. .. .	76	84	97

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
Canada—			
Crude petroleum .. .. .	4,385,176	4,726,469	5,130,000
Motor spirit .. .. .	202,343	223,332	195,728
Kerosene, etc. .. .. .	7,225	4,627	4,952
Lubricating oils .. .. .	42,085	53,005	57,188
Fuel oil .. .. .	137,331	128,699	87,682
do. (bunkers) .. .. .	97,841	76,624	100,203
Other petroleum oils .. .. .	2,323	12,413	1,355
Petroleum jelly, etc. .. .. .	(£48,251)	(£51,339)	(£60,960)
Grease .. .. .	1,507	1,774	2,210
Paraffin wax, etc. .. .. .	2,772	2,410	2,003
Asphaltum oil, etc. .. .. .	66	132	193
Asphalt .. .. .	4,926	5,872	5,754
Petroleum coke .. .. .	(b) 66,595	(b) 73,001	59,934
Other products .. .. .	7,186	7,395	8,212
Newfoundland (years ended June 30)—			
Motor spirit .. .. .	11,078	11,630	8,023
Kerosene .. .. .	3,793	3,572	3,018
Lubricating oil .. .. .	844	1,318	1,004
Fuel oil, etc. .. .. .	1,317	1,937	2,199
British Guiana—			
Crude petroleum .. .. .	1,759	3,262	3,767
Aviation spirit .. .. .	76	158	169
Motor spirit .. .. .	2,886	2,837	3,057
Kerosene .. .. .	1,850	1,499	1,782
Fuel oil, etc. .. .. .	2,416	2,482	2,679
Lubricating oil .. .. .	340	468	495
Tar and pitch .. .. .	285	531	441
Paraffin wax .. .. .	12	13	15
British West Indies—			
Bahamas—			
Crude petroleum .. .. .	1,739	1,971	1,792
Motor spirit .. .. .	2,298	1,738	2,134
Kerosene .. .. .	960	982	1,073
Lubricating oil .. .. .	72	76	48
Barbados—			
Crude petroleum .. .. .	2,392	5,763	2,888
Motor spirit .. .. .	3,447	3,234	3,558
Kerosene .. .. .	1,072	1,133	1,148
Road oil .. .. .	453	381	200
Fuel oil, etc. .. .. .	704	686	3,481

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
British West Indies—( <i>cont.</i> )			
Bermuda—			
Motor spirit .. .. .	932	2,999	1,304
Kerosene .. .. .	2,233	2,450	2,387
Fuel oil .. .. .	8,301	7,730	12,823
Lubricating oil .. .. .	(£3,857)	(£3,680)	(£5,870)
Grenada—			
Motor spirit .. .. .	402	454	494
Kerosene .. .. .	370	370	395
Fuel oil .. .. .	155	137	156
Lubricating oil .. .. .	27	20	30
Road oil .. .. .	313	589	783
Jamaica—			
Aviation spirit .. .. .	18,320	445	407
Motor spirit .. .. .		19,530	20,783
Kerosene .. .. .	5,823	5,894	6,140
Gas oil ( <i>b</i> ) .. .. .	6,703	12,129	4,521
Fuel oil ( <i>b</i> ) .. .. .	78,407	77,434	124,606
Lubricating oil .. .. .	929	996	963
Asphalt .. .. .	1,426	2,563	3,183
Leeward Islands—			
Aviation spirit .. .. .	81	77	115
Motor spirit .. .. .	773	809	970
Kerosene .. .. .	656	628	719
Fuel oil .. .. .	479	373	526
Road oil .. .. .	351	537	586
Lubricating oil .. .. .	102	85	79
St. Lucia—			
Motor spirit .. .. .	188	190	204
Kerosene .. .. .	168	158	165
Fuel oil .. .. .	88	100	141
Lubricating oil .. .. .	16	13	16
Road oil .. .. .	112	204	128
St. Vincent—			
Crude petroleum .. .. .	27	35	51
Motor spirit .. .. .	231	257	274
Kerosene .. .. .	165	166	173
Fuel oil, etc. .. .. .	127	162	207
Lubricating oil .. .. .	17	15	20
Asphalt, tar and pitch .. .. .	5	4	4

(b) Imported chiefly for bunkering purposes.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
British West Indies—(cont.)			
Trinidad and Tobago—			
Crude petroleum .. .. .	97,747	61,924	72,767
Motor spirit .. .. .	198	26	165
Refined petroleum, etc. .. .. .	27	10	27
Lubricating oil .. .. .	1,040	1,108	1,292
Greases .. .. .	(a)	86	107
Petroleum jelly .. .. .	(a)	8	14
Paraffin wax .. .. .	(a)	41	41
Asphalt .. .. .	33	26	263
British Honduras—			
Motor spirit .. .. .	940	800	1,157
Kerosene .. .. .	781	658	837
Diesel oil .. .. .	386	505	728
Lubricating oil .. .. .	108	103	177
Asphalt .. .. .	39	9	249
Aden (total imports)—			
Motor spirit .. .. .	1,085	1,580	1,549
Kerosene .. .. .	1,444	1,409	1,473
Fuel oil (b) .. .. .	626,891	666,358	671,672
Lubricating oil .. .. .	237	363	203
Other petroleum oils .. .. .	117	15	6
British Borneo—			
Brunei—			
Kerosene .. .. .	521	662	738
Fuel oil .. .. .	80	123	78
Lubricating oil .. .. .	(a)	109	118
Sarawak—			
Crude petroleum .. .. .	371,731	443,343	445,368
Motor spirit .. .. .	574	565	685
Kerosene .. .. .	2,184	2,356	2,658
Fuel oil .. .. .	37	64	14,670
Lubricating oil .. .. .	374	450	470
Natural gas (1,000 cu. ft.) .. .. .	792,454	886,648	940,455
State of North Borneo—			
Motor spirit .. .. .	402	597	656
Kerosene .. .. .	1,034	1,212	1,363
British India (total imports)—			
Motor spirit .. .. .	4,378	5,415	6,424
Turpentine substitute .. .. .	142	174	154
Kerosene .. .. .	234,891	249,634	215,357
Fuel oil .. .. .	444,048	547,891	570,227
White oil .. .. .	669	2,619	5,936
Lubricating oil .. .. .	74,961	76,910	77,653
Other oils .. .. .	10,697	6,349	1,359
Greases .. .. .	2,330	2,290	2,187
Paraffin wax .. .. .	419	645	656
Asphalt .. .. .	35,214	40,185	40,410

(a) Information not available.

(b) Imported chiefly for bunkering purposes.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
British Malaya (total imports)—			
Crude petroleum .. .. .	51	58	62
Motor spirit .. .. .	405,106	416,896	320,521
Kerosene .. .. .	91,578	111,886	134,504
Fuel oil .. .. .	346,968	386,049	528,203
Lubricating oil .. .. .	13,523	12,327	12,470
Paraffin wax .. .. .	973	866	1,239
Asphalt and bitumen .. .. .	16,207	17,723	20,105
Other petroleum products .. .. .	13	113	666
Ceylon—			
Motor spirit .. .. .	34,965	33,169	28,845
Kerosene .. .. .	31,331	26,455	21,300
Gas oil ( <i>b</i> ) .. .. .	} 284,007	306,008	4,767
Diesel oil ( <i>b</i> ) .. .. .			69,422
Fuel oil ( <i>b</i> ) .. .. .			202,705
Lubricating oil .. .. .	3,620	3,301	3,094
Other oils and greases .. .. .	105	98	100
Asphalt .. .. .	9,128	13,746	10,403
Cyprus—			
Crude petroleum .. .. .	8,935	6,946	10,606
Motor spirit, etc. .. .. .	4,107	4,233	4,800
Kerosene, etc. .. .. .	3,758	3,421	4,230
Lubricating oil .. .. .	448	540	563
Paraffin wax .. .. .	51	118	45
Asphalt and bitumen .. .. .	1,766	1,904	1,107
Hong Kong (total imports)—			
Motor spirit .. .. .	44,621	31,109	33,094
Kerosene .. .. .	73,997	79,411	94,887
Fuel oil ( <i>b</i> ) .. .. .	178,463	182,048	146,816
Diesel oil .. .. .	1,407	2,631	19,400
Lubricating oil .. .. .	7,914	7,653	8,136
Other oils .. .. .	169	52	44
Greases .. .. .	263	356	478
Petroleum jelly .. .. .	43	27	18
Paraffin wax .. .. .	8,053	8,393	8,457
Palestine—			
Crude petroleum and fuel oil .. .. .	34,421	61,516	80,664
Motor spirit .. .. .	29,166	37,944	32,744
Kerosene .. .. .	38,843	46,067	47,676
Lubricating oils .. .. .	3,396	4,070	2,640
Petroleum jelly .. .. .	16	34	18
Paraffin wax .. .. .	228	( <i>a</i> )	( <i>a</i> )
Asphalt and bitumen .. .. .	6,840	9,469	9,584

(a) Information not available.

(b) Imported chiefly for bunkering purposes.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
Australia—			
Crude petroleum .. .. .	212,338	246,065	249,071
Motor spirit .. .. .	702,753	771,823	857,274
Kerosene .. .. .	107,360	135,991	142,627
Lubricating oil .. .. .	45,067	54,507	61,522
Residual and solar oils .. .. .	329,358	377,810	401,052
Petroleum jelly .. .. .	1,162	898	893
Greases .. .. .	1,904	2,595	2,647
Paraffin wax, etc. .. .. .	2,686	3,091	2,849
Mastic asphalt .. .. .	153	103	617
Fiji—			
Crude petroleum .. .. .	3,483	5,911	6,608
Motor spirit .. .. .	2,779	3,925	4,420
Kerosene .. .. .	1,012	1,458	1,079
Lubricating oil .. .. .	309	385	394
Greases .. .. .	129	152	180
Bitumen .. .. .	216	126	165
Gilbert and Ellice Islands (c)—			
Crude petroleum .. .. .	725	581	(a)
Motor spirit .. .. .	36	59	(a)
Kerosene .. .. .	56	119	(a)
Lubricating oil .. .. .	30	44	(a)
New Guinea (c)—			
Motor spirit .. .. .	2,230	2,701	3,476
Kerosene .. .. .	340	374	854
Lubricating oil .. .. .	209	205	336
Other petroleum oils .. .. .	610	1,624	3,215
New Zealand—			
Crude petroleum, fuel oil, etc. ..	168,990	166,269	190,656
Motor spirit .. .. .	211,877	214,003	284,692
Turpentine substitute .. .. .	825	1,127	1,280
Kerosene .. .. .	14,567	19,422	22,089
Lubricating oil .. .. .	9,560	10,279	11,607
Other refined oils .. .. .	977	656	1,118
Paraffin wax .. .. .	1,607	1,487	1,350
Asphalt and bitumen .. .. .	10,691	14,843	22,640
Papua (years ended June 30)—			
Motor spirit, etc. .. .. .	1,016	938	1,281
Kerosene .. .. .	171	130	185
Solomon Islands (b)—			
Crude petroleum .. .. .	936	700	(a)
Motor spirit .. .. .	269	321	(a)
Kerosene .. .. .	161	262	(a)
Lubricating oil .. .. .	50	37	(a)
Western Samoa—			
Motor spirit .. .. .	523	434	589
Kerosene .. .. .	163	113	206
Fuel oil (£ N.Z.) .. .. .	(£67)	(£55)	(£158)
Lubricating oil (£ N.Z.) .. .. .	(£728)	(£1,157)	(£1,316)

(a) Information not available.

(b) Years ended March 31 following.

(c) Years ended June 30.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Albania—			
Motor spirit .. .. .	2,897	3,086	3,336
Kerosene .. .. .	2,270	2,164	2,228
Gas oil .. .. .	(a)	(a)	1,529
Fuel oil .. .. .	1,960	2,651	2,444
Lubricating oils, etc. .. .. .	245	247	285
Paraffin wax, etc. .. .. .	69	116	135
Austria—			
Crude petroleum .. .. .	163,758	161,235	168,864
Motor spirit .. .. .	47,547	60,109	57,834
Kerosene .. .. .	12,600	21,042	20,380
Gas oil .. .. .	25,258	30,558	35,312
Fuel oil, etc. .. .. .	39,689	64,566	82,492
Lubricating oil and grease .. .. .	5,434	6,086	6,123
Petroleum jelly .. .. .	121	131	140
Paraffin wax .. .. .	2,228	2,944	2,314
Petroleum coke .. .. .	1,901	2,137	1,653
Ozokerite and ceresin .. .. .	133	210	221
Asphalt .. .. .	8,617	11,960	11,042
Belgium-Luxemburg E.U. (b)—			
Crude petroleum .. .. .	230,723	180,858	294,413
Motor spirit, etc. .. .. .	264,067	272,971	320,509
Kerosene .. .. .	27,179	19,522	14,898
Fuel oil, etc. .. .. .	312,298	232,187	357,741
Lubricating oil .. .. .	184,198	159,024	171,825
Other heavy oils .. .. .	172	204	674
Petroleum jelly .. .. .	1,143	693	1,883
Paraffin wax .. .. .	7,241	5,574	5,774
Ozokerite and ceresin .. .. .	367	516	327
Asphalt, bitumen, etc. .. .. .	9,612	14,210	11,999
Residual asphalt .. .. .	13,576	16,434	17,578
Bulgaria—			
Crude petroleum, etc. .. .. .	3,895	18,340	22,111
Motor spirit .. .. .	7,575	4,906	4,688
Kerosene .. .. .	23,411	21,120	20,849
Gas oil .. .. .	21,430	20,908	20,942
Fuel oil .. .. .	359	237	—
Lubricating oil, etc. .. .. .	8,704	5,454	5,753
Paraffin wax, ceresin, etc. .. .. .	157	272	298
Tar .. .. .	116	35	66
Petroleum jelly .. .. .	30	24	35
Asphalt and bitumen .. .. .	317	5,144	1,632

(a) Information not available.

(b) Revised figures for 1934 and 1935. Includes "improvement trade."

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Crude oil .. .. .	119,209	154,166	159,722
Motor spirit, etc. .. .. .	163,081	161,398	178,024
Kerosene .. .. .	44,236	43,813	37,756
Lubricating oil .. .. .	21,731	19,266	18,969
Paraffin wax .. .. .	973	1,246	465
Ozokerite and ceresin .. .. .	118	77	69
Petroleum jelly .. .. .	187	196	224
Asphalt products .. .. .	1,912	1,987	1,442
Denmark—			
Motor spirit .. .. .	252,389	240,011	275,061
Kerosene .. .. .	78,535	67,675	85,703
Fuel oil .. .. .	243,595	228,354	269,307
Lubricating oil .. .. .	27,783	21,306	30,528
Petroleum jelly .. .. .	108	103	65
Ozokerite, etc. .. .. .	44	49	57
Paraffin wax .. .. .	1,059	1,264	1,360
Asphalt rock .. .. .	2,346	824	1,306
Estonia—			
Crude petroleum .. .. .	178	300	615
Motor spirit .. .. .	4,396	5,300	7,750
Kerosene .. .. .	15,937	16,548	17,382
Fuel oil .. .. .	746	854	766
Gas oil .. .. .	1,532	1,948	2,981
Lubricating oil .. .. .	2,293	2,271	2,317
Petroleum jelly .. .. .	65	33	65
Paraffin wax, etc. .. .. .	179	198	213
Asphalt and tar .. .. .	78	24	52
Oil-shale .. .. .	—	—	10,112
Finland (total imports)—			
Crude petroleum .. .. .	18,487	17,995	19,105
Motor spirit .. .. .	67,387	75,400	85,514
Kerosene .. .. .	42,812	42,258	67,072
Lubricating oil .. .. .	11,975	12,503	11,580
Petroleum jelly .. .. .	492	388	438
Paraffin wax, etc. .. .. .	703	756	763
Asphalt and tar .. .. .	6,857	11,037	14,902
France—			
Crude petroleum .. .. .	4,253,611	5,532,826	5,913,839
Motor spirit .. .. .	1,042,263	563,410	783,929
Kerosene .. .. .	38,951	9,954	3,693
Lubricating oil .. .. .	152,212	103,972	97,024
Fuel oil .. .. .	259,990	288,750	391,105



## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
France—(cont.)			
Gas oil .. .. .	249,975	116,217	175,546
Road oil, etc. .. .. .	51,380	23,867	15,033
Petroleum coke, etc. .. .. .	18,709	22,241	27,180
Paraffin wax .. .. .	1,602	690	600
Ozokerite and ceresin .. .. .	416	512	577
Petroleum jelly .. .. .	30	23	22
Asphalt and bitumen .. .. .	8,615	5,038	5,042
Germany—			
Crude petroleum .. .. .	272,346	507,160	569,723
Motor spirit .. .. .	1,140,090	1,205,007	1,303,730
Kerosene .. .. .	96,709	74,098	62,604
Gas oil .. .. .	629,809	869,047	1,064,248
Fuel oil .. .. .	311,186	321,162	373,409
Lubricating oil .. .. .	316,947	430,512	380,141
Paraffin wax .. .. .	21,214	18,681	7,729
Ozokerite, etc. .. .. .	1,619	1,957	3,013
Asphalt .. .. .	5,657	7,049	4,315
Greece—			
Motor spirit .. .. .	41,265	53,931	56,343
Kerosene .. .. .	19,229	19,357	23,206
Fuel oil .. .. .	138,081	155,112	187,882
Other oils and greases .. .. .	6,961	11,894	8,586
Petroleum jelly .. .. .	44	53	53
Asphalt and bitumen .. .. .	4,065	9,201	8,342
Hungary—			
Crude petroleum .. .. .	225,940	164,842	234,514
Motor spirit .. .. .	460	2,003	2,238
Kerosene .. .. .	10	—	—
Gas oil .. .. .	466	652	328
Fuel oil .. .. .	(a)	(a)	12,665
Lubricating oil .. .. .	2,879	3,606	3,952
Paraffin wax .. .. .	583	668	772
Petroleum jelly .. .. .	95	165	146
Ozokerite and ceresin .. .. .	17	15	12
Asphalt, bitumen and tar .. .. .	1,881	1,632	1,400
Petroleum coke .. .. .	90	177	198
Iceland—			
Motor spirit .. .. .	14,681	} 15,745	(a)
Kerosene .. .. .	3,048		(a)
Lubricating oil .. .. .	676		(a)
Paraffin wax .. .. .	16		(a)
Asphalt .. .. .	75		(a)

(a) Information not available.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Crude petroleum .. .. .	140,690	216,517	296,086
Motor spirit .. .. .	342,756	360,741	206,643
Kerosene .. .. .	148,048	152,091	110,802
Lubricating oil .. .. .	64,643	88,518	53,877
Other oils and residues .. .. .	1,112,053	1,235,773	1,124,266
Petroleum jelly .. .. .	353	363	350
Paraffin wax .. .. .	25,639	27,455	19,910
Ceresin .. .. .	119	128	49
Bitumen .. .. .	112,140	94,816	24,871
Petroleum coke .. .. .	4,250	9,020	13,122
Latvia—			
Crude petroleum .. .. .	7,942	10,888	1,809
Motor spirit .. .. .	5,619	6,262	8,462
Kerosene .. .. .	20,414	24,340	22,612
Gas oil .. .. .	266	593	523
Fuel oil .. .. .	246	15	163
Lubricating oil .. .. .	1,136	1,226	1,820
Shale oil .. .. .	2,199	2,788	2,781
Petroleum jelly .. .. .	6	4	4
Paraffin wax .. .. .	237	297	290
Ozokerite and ceresin .. .. .	17	20	23
Asphalt and bitumen .. .. .	1,772	2,672	4,016
Lithuania—			
Crude petroleum and fuel oil .. .. .	11,744	11,837	13,060
Motor spirit .. .. .	5,798	4,835	4,237
Kerosene .. .. .	17,372	17,961	18,196
Lubricating oil .. .. .	2,540	2,602	3,591
Paraffin wax .. .. .	277	353	369
Petroleum jelly .. .. .	19	58	26
Ozokerite and ceresin .. .. .	11	11	23
Netherlands—			
Crude petroleum .. .. .	138,345	197,810	331,784
Motor spirit .. .. .	330,253	363,356	330,424
Kerosene .. .. .	185,107	227,351	251,251
Gas oil .. .. .	242,453	267,753	327,313
Fuel oil .. .. .	176,355	153,614	210,698
Lubricating oil .. .. .	43,799	45,702	46,221
Greases .. .. .	1,582	1,855	1,943
Petroleum jelly .. .. .	929	814	868
Paraffin wax .. .. .	3,074	3,099	3,272
Ozokerite and ceresin .. .. .	186	201	160
Asphalt .. .. .	7,068	6,797	6,264
Natural asphalt .. .. .	2,515	1,652	1,299

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Norway—			
Crude petroleum .. .. .	36,707	23,433	21,868
Motor spirit .. .. .	105,997	136,542	133,761
Turpentine substitute .. .. .	697	1,619	1,099
Kerosene .. .. .	34,915	38,778	32,230
Fuel oil and solar oil .. .. .	296,012	250,348	273,138
Residual oils, etc. .. .. .	10,653	12,674	12,369
Petroleum jelly, etc. .. .. .	613	729	707
Asphalt, bitumen, etc. .. .. .	11,224	13,423	11,850
Poland—			
Motor spirit .. .. .	28	13	6
Fuel oil and gas oil .. .. .	103	67	115
Lubricating oil .. .. .	583	434	607
Greases .. .. .	29	11	35
Petroleum jelly .. .. .	234	261	259
Paraffin wax, etc. .. .. .	262	626	605
Asphalt .. .. .	2,049	4,672	3,552
Portugal—			
Motor spirit .. .. .	57,941	68,138	66,183
Kerosene .. .. .	57,451	51,738	49,502
Other mineral oils .. .. .	45,380	55,185	55,462
Petroleum jelly .. .. .	58	83	52
Paraffin wax .. .. .	956	1,509	874
Roumania—			
Residual oils .. .. .	1,722	1,907	(a)
Petroleum jelly .. .. .	81	73	(a)
Paraffin wax .. .. .	2	2	(a)
Ozokerite and ceresin .. .. .	51	28	(a)
Greases .. .. .	82	60	(a)
Asphalt and bitumen .. .. .	186	221	(a)
Tar and pitch .. .. .	697	253	(a)
Spain—			
Crude petroleum .. .. .	20,056	7,675	(a)
Motor spirit .. .. .	433,106	416,318	(a)
Kerosene .. .. .	15,771	23,958	(a)
Gas oil .. .. .	121,191	105,390	(a)
Fuel oil .. .. .	224,922	206,397	(a)
Lubricating oil .. .. .	30,444	38,606	(a)
Pitch .. .. .	64,123	66,178	(a)
Petroleum jelly and its oils .. .. .	1,327	1,463	(a)
Paraffin wax .. .. .	5,212	6,699	(a)
Asphalt and bitumen .. .. .	772	664	(a)

(a) Information not available.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Crude petroleum .. .. .	61,588	87,085	68,479
Motor spirit .. .. .	346,308	381,784	435,949
Kerosene .. .. .	94,596	106,756	99,173
Fuel oil and gas oil .. .. .	249,094	286,431	337,071
Lubricating oil .. .. .	47,719	50,012	46,684
Petroleum jelly .. .. .	353	472	387
Other refined oils .. .. .	4,058	6,740	7,664
Paraffin wax .. .. .	3,467	5,091	4,614
Ozokerite and ceresin .. .. .	238	270	287
Asphalt .. .. .	5,442	5,455	4,235
Pitch .. .. .	15,420	24,785	29,128
Switzerland—			
Motor spirit .. .. .	215,095	203,428	190,752
Kerosene .. .. .	24,750	23,810	21,604
Distillates, etc. .. .. .	2,044	2,750	4,268
Fuel oil .. .. .	160,532	165,953	169,677
Lubricating oil and grease .. .. .	20,740	22,216	16,780
Petroleum jelly .. .. .	330	375	364
Paraffin wax and ceresin .. .. .	1,505	2,251	1,811
Asphalt and bitumen .. .. .	1,263	790	839
U.S.S.R. (Russia)—			
Crude petroleum .. .. .	212	—	—
Motor spirit .. .. .	72	42	46,208
Kerosene .. .. .	37	39	24
Fuel oil .. .. .	655	645	38
Diesel oil .. .. .	16	—	—
Lubricating oil .. .. .	183	156	270
Petroleum jelly .. .. .	5	21	20
Ozokerite and ceresin .. .. .	12	47	108
Asphalt and pitch.. .. .	56	3	67
Yugoslavia—			
Crude petroleum .. .. .	84,855	87,246	120,399
Motor spirit .. .. .	4,368	1,522	1,369
Kerosene .. .. .	17,886	11,327	11,016
Gas oil, etc. .. .. .	1,184	129	1,347
Lubricating oil, etc. .. .. .	3,175	3,245	3,287
Paraffin wax .. .. .	2,102	2,291	2,312
Ozokerite and ceresin .. .. .	40	55	107
Asphalt and bitumen .. .. .	6,874	6,617	9,176
Abyssinia—			
Motor spirit .. .. .	801	900	(a)
Kerosene .. .. .	1,631	760	(a)
Fuel oil .. .. .	50	(a)	(a)
Lubricating oil .. .. .	47	(a)	(a)

(a) Information not available.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Motor spirit .. .. .	124,752	112,485	112,720
Kerosene .. .. .	49,471	42,676	45,124
Gas oil .. .. .	26,654	20,702	25,797
Fuel oil .. .. .	16,908	21,796	26,743
Lubricating oil .. .. .	12,172	8,806	10,587
Road oil, etc. .. .. .	46,910	34,022	25,635
Paraffin wax .. .. .	255	105	144
Petroleum jelly .. .. .	18	21	19
Ozokerite and ceresin .. .. .	52	71	70
Asphalt and bitumen .. .. .	992	755	781
Angola—			
Motor spirit .. .. .	4,325	3,780	4,915
Kerosene .. .. .	473	826	611
Fuel oil .. .. .	2,609	999	223
Lubricating oil .. .. .	638	462	638
Grease .. .. .	52	43	(a)
Belgian Congo—			
Motor spirit .. .. .	11,204	11,603	17,047
Kerosene .. .. .	977	1,408	1,803
Fuel oil, etc. .. .. .	218	302	3,440
Lubricating oil and greases .. .. .	2,170	2,375	2,309
Cameroon (French)—			
Motor spirit .. .. .	2,729	2,957	4,248
Kerosene .. .. .	872	998	1,399
Fuel oil .. .. .	228	266	356
Lubricating oil .. .. .	362	267	417
Canary Islands—			
Crude petroleum .. .. .	76,123	(a)	(a)
Motor spirit .. .. .	12,162	(a)	(a)
Kerosene .. .. .	46,662	(a)	(a)
Gas oil .. .. .	144,814	(a)	(a)
Fuel oil .. .. .	386,304	(a)	(a)
Lubricating oil .. .. .	1,907	(a)	(a)
Paraffin wax .. .. .	593	(a)	(a)
Pitch .. .. .	200	(a)	(a)
Asphalt and bitumen .. .. .	773	(a)	(a)
Egypt—			
Crude petroleum .. .. .	110,726	92,416	127,336
Motor spirit .. .. .	12,548	15,124	25,967
Turpentine substitute .. .. .	166	177	106
Kerosene .. .. .	260,955	253,128	276,832
Fuel oil, etc. .. .. .	160,338	268,134	241,733
Lubricating oil .. .. .	17,008	22,451	14,577
Petroleum jelly .. .. .	245	298	185
Paraffin wax .. .. .	467	482	572
Ozokerite and ceresin .. .. .	15	11	8
Asphalt and bitumen .. .. .	5,058	6,042	7,321

(a) Information not available.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
French Equatorial Africa—			
Motor spirit .. .. .	4,750	4,941	6,276
Kerosene .. .. .	1,031	1,024	1,316
Gas oil .. .. .	} 1,535	} 1,642	1,745
Fuel oil .. .. .			971
Lubricating oil .. .. .			829
Road oil .. .. .			6
Grease .. .. .			31
Asphalt and bitumen .. .. .	59	185	(a)
French Somaliland—			
Motor spirit .. .. .	322	398	650
Kerosene .. .. .	337	272	295
Lubricating oil .. .. .	425	550	640
French Togoland—			
Motor spirit .. .. .	674	782	(a)
Kerosene .. .. .	811	890	(a)
Fuel oil .. .. .	153	322	(a)
Lubricating oil .. .. .	95	110	(a)
French West Africa—			
Motor spirit .. .. .	11,701	16,146	21,836
Kerosene .. .. .	3,101	9,358	5,934
Fuel oil (b) .. .. .	309,677	375,882	463,179
Lubricating oil .. .. .	2,839	2,846	2,802
Asphalt and bitumen .. .. .	1,781	1,973	1,394
Liberia—			
Motor spirit, etc. .. .. .	330	451	(a)
Kerosene .. .. .	319	434	(a)
Fuel oil, etc. .. .. .	34	21	(a)
Lubricating oil .. .. .	21	41	(a)
Madagascar—			
Motor spirit .. .. .	6,012	6,651	6,589
Kerosene .. .. .	2,381	2,936	2,585
Fuel oil .. .. .	1,737	829	1,351
Road oil, etc. .. .. .	235	245	475
Lubricating oil .. .. .	959	1,005	1,104
Other heavy oils .. .. .	45	6	10
Petroleum jelly .. .. .	5	9	7
Asphalt .. .. .	1	113	64
Morocco—			
Motor spirit .. .. .	88,314	90,841	95,047
Kerosene .. .. .	13,795	12,833	12,268
Gas oil and fuel oil .. .. .	12,654	15,053	16,304

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Morocco—(cont.)			
Lubricating oil and grease ..	6,495	5,207	4,999
Paraffin wax .. .. .	1,831	3,880	3,685
Asphalt and bitumen .. ..	13,535	13,406	7,105
Mozambique—			
Motor spirit .. .. .	5,657	4,836	5,825
Kerosene .. .. .	2,309	2,445	2,595
Fuel oil .. .. .	1,748	2,433	3,127
Lubricating oil .. .. .	1,147	1,460	1,196
Paraffin wax .. .. .	18	26	49
Asphalt and bitumen .. ..	183	246	182
Portuguese Guinea—			
Motor spirit .. .. .	247	(a)	(a)
Kerosene .. .. .	117	(a)	(a)
Fuel oil .. .. .	149	(a)	(a)
Lubricating oil .. .. .	67	(a)	(a)
Réunion—			
Motor spirit .. .. .	2,235	2,650	3,675
Kerosene .. .. .	618	810	792
Heavy oils and greases .. ..	240	338	312
Spanish Morocco—			
Ceuta—			
Motor spirit .. .. .	1,941	(a)	(a)
Gas oil .. .. .	3	(a)	(a)
Fuel oil (b) .. .. .	8,519	(a)	(a)
Lubricating oil .. .. .	474	(a)	(a)
Pitch .. .. .	59	(a)	(a)
Melilla—			
Motor spirit .. .. .	5,927	(a)	(a)
Kerosene .. .. .	906	(a)	(a)
Fuel oil .. .. .	6,687	(a)	(a)
Lubricating oil .. .. .	915	(a)	(a)
Pitch .. .. .	149	(a)	(a)
Paraffin wax .. .. .	230	(a)	(a)
Tunis—			
Motor spirit .. .. .	46,428	39,343	38,674
Kerosene .. .. .	24,476	24,527	22,535
Fuel oil and gas oil .. .. .	19,828	22,468	26,891
Road oil .. .. .	5,099	4,246	5,612
Lubricating oil .. .. .	4,077	4,148	3,945
Petroleum jelly .. .. .	7	6	16
Paraffin wax .. .. .	29	17	14
Asphalt and bitumen .. ..	865	979	1,100

(a) Information not available.

(b) Imported chiefly for bunkering purposes. See exports.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Costa Rica (total imports)—			
Crude petroleum .. .. .	17,968	14,807	14,809
Motor spirit .. .. .	4,601	4,848	6,093
Diesel oil .. .. .	375	(a)	(a)
Paraffin wax .. .. .	1,155	957	1,158
Cuba (total imports)—			
Crude petroleum .. .. .	66,178	76,855	(a)
Motor spirit .. .. .	46,338	66,597	(a)
Kerosene .. .. .	195	27	(a)
Fuel oil .. .. .	495,831	479,023	(a)
Gas oil .. .. .	—	21	(a)
Lubricating oil .. .. .	5,361	7,701	(a)
Petroleum jelly .. .. .	273	314	(a)
Greases .. .. .	249	325	(a)
Paraffin wax .. .. .	1,236	1,261	(a)
Asphalt rock .. .. .	1	45	(a)
Other asphalt .. .. .	929	3,125	(a)
Dominican Republic (total imports)—			
Motor spirit .. .. .	7,759	8,749	11,037
Kerosene .. .. .	3,476	3,738	4,286
Fuel oil .. .. .	19,216	25,692	25,263
Lubricating oil .. .. .	1,170	1,146	1,261
Other oils .. .. .	794	614	1,147
French West Indies—			
Guadeloupe—			
Motor spirit .. .. .	3,700	3,197	3,347
Kerosene .. .. .	1,282	1,336	1,260
Fuel oil .. .. .	860	579	820
Martinique—			
Motor spirit .. .. .	5,424	5,514	5,987
Kerosene .. .. .	1,064	1,445	1,541
Fuel oil .. .. .	1,855	2,229	2,312
Lubricating oil .. .. .	342	298	321
Road oil .. .. .	832	536	115
Guatemala—			
Crude petroleum, etc. .. .. .	46,659	33,728	75,420
Motor spirit .. .. .	6,273	7,958	9,336
Kerosene .. .. .	1,942	2,811	3,216
Fuel oil .. .. .	205	173	177
Diesel oil .. .. .	267	247	614
Lubricating oil .. .. .	503	533	691
Grease .. .. .	60	77	81
Asphalt .. .. .	5	11	153
Paraffin wax, etc. .. .. .	(a)	(a)	1,356

(a) Information not available.



## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Haiti (years ended September 30)—			
Motor spirit .. .. .	8,698	6,399	4,141
Kerosene .. .. .	4,238	3,405	3,279
Fuel oil .. .. .	2,346	2,407	4,399
Lubricating oil .. .. .	356	396	371
Honduras (years ended July 31)—			
Motor spirit .. .. .	5,000	9,921	6,089
Kerosene .. .. .	(a)	4,380	4,396
Fuel oil .. .. .	152,000	116,022	91,231
Lubricating oil .. .. .	(a)	763	725
Mexico—			
Crude petroleum .. .. .	41,317	42,356	38,479
Motor spirit .. .. .	14,293	19,356	14,355
Kerosene .. .. .	1,544	2,256	1,742
Fuel oil and gas oil .. .. .	123,412	107,893	108,587
Paraffin wax .. .. .	4,930	7,010	4,909
Lubricating oil, etc. .. .. .	7,739	9,853	10,900
Petroleum jelly .. .. .	220	233	315
Asphalt .. .. .	1,169	(a)	718
Natural gas (1,000 cu. feet) .. .. .	6,692,856	(a)	7,758,944
Netherlands West Indies—			
Crude petroleum .. .. .	15,187,753	17,015,837	17,858,000
Motor spirit .. .. .	21,864	175,612	20,100
Kerosene .. .. .	16,270	122,754	136,000
Fuel oil .. .. .	695,478	721,990	650,000
Gas oil .. .. .	170,294	139,193	140,000
Lubricating oil .. .. .	354	776	(a)
Nicaragua (total imports)—			
Crude petroleum .. .. .	26,382	16,527	15,069
Motor spirit .. .. .	2,253	2,805	2,952
Kerosene .. .. .	1,889	2,187	2,003
Lubricating oil .. .. .	372	442	331
Panama—			
Crude petroleum .. .. .	11,000	19,000	(a)
Motor spirit .. .. .	12,451	15,400	(a)
Kerosene .. .. .	1,971	2,900	(a)
Diesel oil .. .. .	337	500	(a)
Lubricating oil .. .. .	676	7,140	(a)
Mineral grease .. .. .	42	65	(a)
Asphalt, tar and pitch .. .. .	187	150	(a)
Paraffin wax .. .. .	33	43	(a)
Petroleum jelly .. .. .	1	15	(a)

(a) Information not available.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
St. Pierre and Miquelon—			
Motor spirit .. .. .	400	400	450
Gas oil and fuel oil .. .. .	300	787	500
Salvador—			
Motor spirit .. .. .	4,400	(a)	(a)
Kerosene .. .. .	2,200	(a)	(a)
Fuel oil .. .. .	14,300	(a)	(a)
United States—			
Crude petroleum .. .. .	5,110,000	4,621,000	4,717,000
Motor spirit, etc. .. .. .	15,527	1,073	71
Kerosene .. .. .	1,058	1,012	115
Fuel oil, including topped oils .. .. .	2,111,261	3,228,152	3,431,299
Unfinished distillates .. .. .	41,800	28,500	241,000
Lubricating oil, etc. .. .. .	1,101	1,001	1,384
Paraffin wax, etc. .. .. .	15,092	8,612	6,985
Mineral wax .. .. .	1,549	2,738	2,966
Petroleum jelly .. .. .	13	21	36
Asphalt and bitumen .. .. .	13,999	48,189	19,284
Natural gas (1,000 cu. ft.) .. .. .	63,320	98,010	91,999
Argentina—			
Crude petroleum .. .. .	166,865	401,173	430,718
Motor spirit .. .. .	59,915	2,924	824
Kerosene .. .. .	10,777	1,278	403
Gas oil .. .. .	—	1,499	5,359
Fuel oil .. .. .	657,943	648,802	769,855
Diesel oil .. .. .	244,742	377,387	274,538
Lubricating oil .. .. .	17,241	12,796	9,572
Petroleum jelly .. .. .	249	282	374
Grease .. .. .	458	291	169
Paraffin wax .. .. .	3,887	4,649	5,281
Ozokerite and ceresin .. .. .	37	36	51
Asphalt rock .. .. .	8,366	—	—
Asphalt for paving .. .. .	13,484	4,721	457
Asphalt for roofing .. .. .	1,254	2,055	2,007
Other asphalt and bitumen .. .. .	143	147	12
Pitch .. .. .	40	27	30
Brazil (total imports)—			
Motor spirit .. .. .	260,486	271,964	320,263
Kerosene .. .. .	91,894	92,406	86,160
Fuel oil .. .. .	444,822	429,815	524,272
Lubricating oil .. .. .	30,810	34,045	32,047
Petroleum jelly .. .. .	320	368	297
Greases .. .. .	1,137	201	334
Paraffin wax .. .. .	780	1,097	974
Asphalt .. .. .	5,748	6,692	10,515

(a) Information not available.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Chile—			
Crude petroleum .. .. .	321,943	325,082	356,498
Motor spirit .. .. .	49,290	71,254	65,041
Kerosene .. .. .	6,957	7,181	6,941
Diesel oil .. .. .	24,956	49,019	18,779
Lubricating oil .. .. .	7,143	9,792	9,218
Petroleum jelly .. .. .	73	116	81
Greases .. .. .	304	427	271
Ozokerite .. .. .	3	6	3
Crude asphalt .. .. .	160	258	535
Paraffin wax .. .. .	5,173	7,742	5,632
Tar and pitch .. .. .	13	1,980	1,071
Colombia—			
Motor spirit .. .. .	15,492	7,188	7,211
Kerosene .. .. .	50	30	10
Fuel oil and gas oil .. .. .	14,785	11,147	11,590
Lubricating oil .. .. .	2,902	2,718	3,117
Petroleum jelly .. .. .	77	87	91
Paraffin wax .. .. .	5,025	5,211	7,258
Asphalt, etc. .. .. .	740	159	235
Dutch Guiana—			
Motor spirit .. .. .	722	516	(a)
Kerosene .. .. .	950	945	(a)
Gas oil .. .. .	522	755	(a)
Fuel oil, etc. .. .. .	2,704	2,094	(a)
Lubricating oil .. .. .	115	103	(a)
Ecuador—			
Crude petroleum .. .. .	13,900	21,000	(a)
Motor spirit .. .. .	115	115	(a)
Lubricating oil and greases .. .. .	939	904	(a)
Paraffin wax, etc. .. .. .	1,268	1,338	(a)
Petroleum jelly .. .. .	29	38	(a)
Asphalt and bitumen .. .. .	183	499	(a)
French Guiana—			
Motor spirit .. .. .	250	492	511
Kerosene .. .. .	404	490	500
Fuel oil, etc. .. .. .	124	88	273
Paraguay—			
Motor spirit .. .. .	6,358	3,238	(a)
Kerosene .. .. .	1,349	1,482	(a)
Lubricating oil .. .. .	890	2,142	(a)

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Peru—			
Crude petroleum .. .. .	1	10	11,303
Motor spirit, etc. .. .. .	207	10,308	4,596
Lubricating oil .. .. .	1,559	2,134	2,738
Petroleum jelly .. .. .	46	49	84
Paraffin wax .. .. .	3,246	3,513	3,485
Asphalt and bitumen .. .. .	695	745	556
Greases .. .. .	120	147	174
Uruguay—			
Motor spirit, etc. .. .. .	74,923	73,011	(a)
Kerosene .. .. .	30,683	30,515	(a)
Gas oil .. .. .	5,493	4,183	(a)
Fuel oil .. .. .	167,927	144,852	(a)
Lubricating oil and greases .. .. .	5,377	4,521	4,180
Paraffin wax .. .. .	358	179	339
Petroleum jelly .. .. .	25	55	19
Asphalt and bitumen .. .. .	4,477	2,177	3,102
Venezuela—			
Motor spirit .. .. .	1,157	437	(a)
Kerosene .. .. .	39	3	(a)
Fuel oil .. .. .	1,570	127	(a)
Lubricating oil .. .. .	862	1,853	(a)
Asphalt and bitumen .. .. .	79	29	(a)
Paraffin wax .. .. .	1,447	1,594	(a)
Tar and pitch .. .. .	335	22	(a)
China—			
Motor spirit .. .. .	108,279	111,927	124,246
Turpentine substitute .. .. .	1,448	1,079	1,194
Kerosene .. .. .	360,399	309,404	316,205
Fuel oil .. .. .	45,870	88,818	67,562
Diesel and solar oils .. .. .	356,691	303,063	240,967
Lubricating oil .. .. .	37,162	34,562	43,645
Paraffin wax .. .. .	25,934	30,179	26,062
Asphalt .. .. .	13,083	12,562	11,671
Greases .. .. .	1,264	1,375	1,193
Formosa—			
Crude and heavy oils .. .. .	24,733	31,440	(a)
Motor spirit .. .. .	6,805	8,764	(a)
Kerosene .. .. .	9,649	11,231	(a)
Other light oils .. .. .	7,516	9,795	(a)
Lubricating oil .. .. .	5,742	6,551	(a)
Paraffin wax .. .. .	—	8	(a)
Greases .. .. .	286	375	(a)

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
French Indo-China—			
Motor spirit .. .. .	29,078	28,995	28,898
Kerosene .. .. .	34,391	35,056	37,662
Fuel oil and gas oil .. .. .	12,372	10,675	14,771
Lubricating oil, etc. .. .. .	4,167	4,783	4,903
Road oil, etc. .. .. .	7,588	7,710	12,609
Petroleum jelly .. .. .	28	39	37
Ozokerite .. .. .	7	8	8
Paraffin wax .. .. .	1,052	1,154	1,436
Asphalt and bitumen .. .. .	1,543	14	23
Petroleum coke .. .. .	12	35	3
Iran (Persia) (c) (b)—			
Crude petroleum .. .. .	73	267	1,020
Motor spirit .. .. .	4,417	14,032	7,917
Kerosene .. .. .	19,387	30,763	17,430
Fuel oil .. .. .	3,034	3,207	3,403
Lubricating oil .. .. .	2,012	2,777	1,197
Greases .. .. .	453	3,116	2,915
Paraffin wax .. .. .	49	55	70
Iraq—			
Motor spirit .. .. .	4,532	7,552	6,179
Kerosene .. .. .	5,175	5,654	7,466
Fuel oil .. .. .	42,988	64,075	65,363
Lubricating oil .. .. .	2,523	3,872	3,754
Greases .. .. .	49	154	155
Asphalt and bitumen .. .. .	412	1,304	623
Japan (c) (d)—			
Crude oils .. .. .	2,530,562	3,124,956	3,512,760
Motor spirit, etc. .. .. .	397,400	430,000	472,500
Kerosene, etc. .. .. .	70,300	80,900	60,200
Lubricating oil, etc. .. .. .	21,800	26,200	34,000
Other oils .. .. .	13,034	13,285	21,800
Petroleum jelly .. .. .	391	639	745
Paraffin wax .. .. .	14,643	17,960	22,445
Pitch and asphalt .. .. .	4,017	6,149	6,319
Korea (c)—			
Crude and heavy oils .. .. .	59,334	117,532	227,766
Motor spirit .. .. .	42,547	61,364	58,589
Kerosene .. .. .	52,095	56,602	54,876
Lubricating oil .. .. .	16,382	19,156	17,368

(b) Years ended June 21.

(c) Total imports.

(d) Excluding fuel oil imported on government account.

## IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
"Manchoukuo"—			
Crude petroleum .. .. .	(a)	(a)	118,349
Motor spirit .. .. .	53,457	24,627	10,630
Kerosene .. .. .	75,014	12,264	11,353
Other refined petroleum .. .. .	12,526	3,476	1,646
Fuel oil .. .. .	21,038	44,742	19,910
Lubricating oil .. .. .	15,010	18,394	17,754
Paraffin wax .. .. .	5,016	4,951	3,574
Asphalt and bitumen .. .. .	2,228	4,922	2,580
Netherlands East Indies—			
Crude petroleum .. .. .	6,232	—	29
Motor spirit .. .. .	37,254	57,786	48,540
Kerosene .. .. .	17,493	13,761	11,917
Fuel and motor oils .. .. .	82,584	75,563	67,605
Lubricating oil .. .. .	9,385	9,847	10,353
Petroleum jelly .. .. .	61	111	72
Greases .. .. .	535	592	708
Paraffin wax .. .. .	353	481	160
Ceresin .. .. .	1	3	2
Pitch .. .. .	7	22	2
Asphalt .. .. .	19,784	10,132	18,466
Philippine Islands—			
Motor spirit .. .. .	74,019	114,214	104,589
Kerosene .. .. .	56,110	69,905	62,553
Fuel oil .. .. .	287,358	328,206	312,683
Other light oils .. .. .	90	50	380
Lubricating oil .. .. .	9,888	9,742	10,133
Residual oils .. .. .	1,129	2,383	870
Mineral wax .. .. .	1,833	2,803	3,280
Asphalt .. .. .	10,051	10,044	7,886
Portuguese India—			
Motor spirit .. .. .	1,076	(a)	(a)
Kerosene .. .. .	3,437	(a)	(a)
Other oils .. .. .	822	(a)	(a)
Siam (total imports)—			
Motor spirit .. .. .	16,563	15,454	18,937
Kerosene .. .. .	33,219	31,870	40,637
Fuel oil .. .. .	20,027	14,562	15,780
Diesel oil .. .. .	17,487	19,419	33,528
Lubricating oil .. .. .	4,734	6,367	5,925
Grease .. .. .	203	242	266
Paraffin wax .. .. .	794	898	1,095
Asphalt .. .. .	2,882	1,866	1,184

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Syria and Lebanon—			
Motor spirit .. .. .	30,830	35,491	36,584
Kerosene .. .. .	31,894	32,216	34,308
Fuel oil and diesel oil .. .. .	19,420	23,267	21,560
Lubricating oil .. .. .	2,178	2,508	2,587
Paraffin wax .. .. .	76	113	87
Petroleum jelly .. .. .	31	44	31
Asphalt and bitumen .. .. .	2,395	4,908	2,956
Turkey—			
Crude petroleum .. .. .	3,584	56	283
Motor spirit .. .. .	26,021	25,251	27,071
Kerosene .. .. .	34,411	30,344	30,370
Fuel oil, etc. .. .. .	35,422	43,890	46,948
Paraffin wax and petroleum jelly ..	863	1,137	1,185
Ozokerite .. .. .	20	28	40
New Caledonia—			
Motor spirit .. .. .	1,548	1,703	1,667
Kerosene .. .. .	703	587	554
Lubricating oil, etc. .. .. .	844	622	1,289

## PHOSPHATES

## PRODUCTION OF PHOSPHATE-ROCK

(Long tons)

Producing Country.	1934	1935	1936	Estimated Tribasic Phosphate of Lime Content or equivalent.		
				1934	1935	1936
BRITISH EMPIRE						
Tanganyika .. ..	205	191	—	(a)	(a)	—
Seychelles (exports) ..	11,871	9,923	23,564	(a)	(a)	(a)
Union of South Africa	76	—	—	46	—	—
Canada .. ..	72	166	469	60	138	390
India .. ..	59	102	—	48	83	—
Christmas Island .. ..	128,010	147,929	155,075	110,300	127,500	133,600
Australia .. ..	207	235	175	112	127	95
Nauru Island .. ..	418,950	480,950	547,400	356,600	409,300	465,900
Ocean Island .. ..	211,250	228,100	403,100	187,200	202,100	357,100
Total .. ..	771,000	868,000	1,130,000			
FOREIGN COUNTRIES						
Belgium (b) .. ..	14,158	170,622	(a)	4,300	56,000	(a)
Estonia .. ..	10,442	11,458	11,228	4,563	5,007	4,907
France .. ..	65,700	49,300	(a)	42,700	32,000	(a)
Germany .. ..	723	177	1,043	400	100	570
Poland .. ..	7,534	11,457	12,300	3,292	5,007	5,400
Roumania(e) .. ..	1,200	(a)	(a)	(a)	(a)	(a)
Spain .. ..	18,992	(a)	(a)	12,154	(a)	(a)
U.S.S.R. (Russia) (d)	1,172,700	1,800,000	2,178,900	783,500	1,200,000	1,455,700
Algeria .. ..	523,804	594,326	523,000	350,000	397,000	349,000
Egypt .. ..	431,016	466,411	522,644	289,000	317,000	355,000
Madagascar .. ..	8,208	6,000	5,200	6,150	4,500	3,900
Morocco (French) .. ..	1,180,992	1,272,000	1,314,049	898,000	970,000	1,010,000
Tunis .. ..	1,738,000	1,470,000	1,472,000	1,060,000	890,000	880,000
Netherlands West Indies (exports) .. ..	99,038	89,276	79,831	84,200	76,000	68,000
United States .. ..	2,898,238	3,159,328	3,462,837	2,087,000	2,274,000	2,493,000

(a) Information not available.

(b) In addition phosphatic chalk was produced as follows:—

1934 .. ..	37,808 long tons.
1935 .. ..	63,580 " "

(d) Figures refer to concentrates of apatite and phosphate rock plus the ground phosphate used directly as a fertilizer. The production of phosphate rock before concentration was:—

	1934.	1935.
Apatite .. ..	1,118,300	1,530,700
Other phosphate rock .. ..	1,130,400	1,722,700

(e) Converted from cubic metres at the rate of 1 cubic metre = 2 long tons.



## PRODUCTION OF PHOSPHATE-ROCK (Cont.)

Producing Country.	1934	1935	1936	Estimated Tribasic Phosphate of Lime Content or equivalent		
				1934	1935	1936
FOREIGN COUNTRIES (Cont.)						
French Indo-China ..	(b)4,000	(b)5,795	9,200	3,000	4,350	6,900
China (estimated) ..	8,000	8,000	8,000	6,500	6,500	6,500
Japan .. ..	55,600	89,807	111,315	45,600	73,600	91,300
Netherlands East Indies .. ..	4,934	11,371	11,881	3,100	6,800	7,500
Angaur Island (exports) .. ..	63,783	76,878	87,817	51,000	61,500	70,200
French Oceania ..	80,700	133,800	145,000	67,100	112,000	120,000
New Caledonia ..	2,000	9,000	2,200	1,500	6,750	1,500
Total .. ..	8,400,000	9,400,000	10,200,000			
WORLD'S TOTAL	9,200,000	10,300,000	11,300,000			

(b) Amount ground.

## PRODUCTION OF SUPERPHOSPHATES

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom (c) .. .. .	525,286	564,600	578,133
Union of South Africa .. .. .	123,884	129,394	137,901
Canada (d) .. .. .	40,338	44,556	40,135
Australia (d) .. .. .	755,295	810,000	1,092,787
New Zealand (b) .. .. .	316,980	322,522	347,049
FOREIGN COUNTRIES			
Austria .. .. .	36,880	41,000	43,581
Belgium .. .. .	271,000	225,000	283,000
Czechoslovakia .. .. .	135,683	182,787	156,988
Denmark .. .. .	357,000	333,000	351,000
Finland .. .. .	50,157	2,085	6,267
France .. .. .	1,351,550	1,066,800	1,366,587
Germany .. .. .	709,000	700,000	935,000
Greece .. .. .	53,427	62,591	77,366
Hungary .. .. .	7,000	34,000	41,200
Italy .. .. .	1,041,243	1,241,887	1,311,493
Latvia .. .. .	69,510	67,860	69,482
Lithuania .. .. .	44,000	31,000	19,000
Netherlands .. .. .	550,000	521,000	466,922
Norway .. .. .	27,590	26,374	19,970
Poland .. .. .	92,297	98,933	122,639
Portugal .. .. .	231,000	280,000	179,000
Roumania .. .. .	—	5,589	3,678
Spain .. .. .	1,016,512	1,048,000	(e) 453,000
Sweden .. .. .	205,406	243,147	210,102
Switzerland .. .. .	20,296	16,546	19,186
U.S.S.R. (Russia) .. .. .	828,532	1,149,072	1,236,000
Yugoslavia .. .. .	10,100	11,142	21,127
Algeria .. .. .	80,012	44,725	40,180
Tunis .. .. .	25,085	30,983	20,000
Morocco .. .. .	19,100	12,000	(a)
United States .. .. .	2,560,729	2,637,616	3,046,863
Uruguay .. .. .	2,230	980	1,240
Japan .. .. .	1,065,645	1,522,303	1,772,197

(a) Information not available.

(b) Years ended March 31 of the year following that stated.

(c) Including Irish Free State.

(d) Years ended June 30.

(e) Estimated.

## PRODUCTION OF BASIC SLAG

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom (b) .. ..	262,000	272,000	297,000
Irish Free State .. .. .	708	—	(a)
FOREIGN COUNTRIES			
Belgium (estimated) .. ..	650,000	560,000	595,000
Czechoslovakia .. .. .	92,391	122,842	143,155
France—			
Saar .. .. .	317,585	(c)	(c)
Other districts .. .. .	865,044	925,375	1,019,000
Germany .. .. .	1,336,056	1,992,963	2,347,000
Italy .. .. .	—	1,703	1,095
Luxemburg .. .. .	402,747	389,444	423,000
Poland .. .. .	—	1,420	(a)
Sweden .. .. .	12,619	15,011	15,465
U.S.S.R. (Russia) .. .. .	28,932	40,148	(a)
United States (estimated) .. ..	25,000	25,000	35,000

(a) Information not available.

(b) Estimated amount ground and used as fertilizers.

(c) Production of the Saar territory included with Germany.

## EXPORTS OF PHOSPHATES, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Superphosphates .. .. .	19,583	22,744	20,031
Basic slag .. .. .	36,413	28,840	87,205
Seychelles—			
Phosphatic guano .. .. .	11,871	9,923	23,564
British Malaya—			
Phosphate-rock .. .. .	128,090	146,982	155,185
Australia—			
Superphosphates .. .. .	1,583	1,818	1,860
New Zealand—			
Superphosphates .. .. .	22	—	55
Nauru and Ocean Islands—			
Phosphate-rock .. .. .	630,200	709,050	950,500
FOREIGN COUNTRIES			
Austria—			
Basic slag .. .. .	1	—	22
Belgium-Luxemburg E.U.—			
Phosphate-rock .. .. .	61,367	45,050	43,019
Superphosphates .. .. .	154,545	131,154	172,261
Basic slag .. .. .	989,169	959,474	972,675
Czechoslovakia—			
Phosphate-rock .. .. .	296	—	—
Superphosphates .. .. .	148	118	83
Basic slag .. .. .	1,277	488	11,006
Denmark—			
Superphosphates .. .. .	13,938	11,743	6,426
Estonia—			
Superphosphates .. .. .	11	—	—
France—			
Phosphate-rock .. .. .	857	136	203
Superphosphates .. .. .	30,311	22,255	27,576
Basic slag .. .. .	744,306	600,045	334,228
Germany—			
Phosphate-rock, etc. .. .. .	1,002	21	—
Superphosphates .. .. .	19,997	35,838	36,478
Basic slag .. .. .	4,120	25,066	14,576
Greece—			
Superphosphates .. .. .	26,223	6,972	14,902

## EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Superphosphates, including bone superphosphates .. .. .	1,658	1,671	1,827
Latvia—			
Superphosphates .. .. .	203	—	—
Basic slag .. .. .	6	—	—
Lithuania—			
Superphosphates .. .. .	7,630	—	—
Basic slag, etc. .. .. .	321	117	56
Netherlands—			
Superphosphates .. .. .	385,381	374,842	383,488
Basic slag .. .. .	58	1,016	2
Norway—			
Superphosphates .. .. .	549	244	118
Poland—			
Phosphate rock .. .. .	114	180	44
Superphosphates .. .. .	16,631	20,755	16,383
Portugal—			
Superphosphates .. .. .	58	3	11
Spain—			
Superphosphates .. .. .	5,734	100	(a)
Basic slag .. .. .	6	—	(a)
Sweden—			
Superphosphates .. .. .	12,475	15,171	14,501
Switzerland—			
Basic slag .. .. .	11	52	11
U.S.S.R. (Russia)—			
Apatite .. .. .	408,035	379,592	498,607
Other phosphate rock .. .. .	—	1	2,335
Superphosphate .. .. .	18,549	39,668	32,245
Basic slag .. .. .	24,233	27,208	1,196
Yugoslavia—			
Phosphate-rock .. .. .	280	810	—
Superphosphates .. .. .	4	31	23
Algeria—			
Phosphate-rock .. .. .	640,871	497,031	555,000
Superphosphates .. .. .	22,236	22,237	21,660
Egypt—			
Phosphate-rock .. .. .	462,137	458,349	535,416
Madagascar—			
Phosphate-rock .. .. .	13,779	—	4,429

(a) Information not available.

## EXPORTS OF PHOSPHATES, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Morocco—			
Phosphate-rock .. .. .	1,218,338	1,276,797	1,182,346
Superphosphates .. .. .	5,383	3,113	2,508
Tunis (including re-exports)—			
Phosphate-rock .. .. .	1,778,863	1,440,646	1,654,117
Superphosphates .. .. .	—	327	—
Netherlands West Indies—			
Phosphate-rock .. .. .	99,038	89,276	79,831
United States—			
Phosphate-rock .. .. .	993,493	1,104,394	1,208,951
Superphosphates .. .. .	59,148	54,965	68,368
Angaur Island—			
Phosphate-rock .. .. .	63,783	76,878	87,817
French Oceania— .. .. .			
Phosphate-rock .. .. .	76,246	128,294	128,694
Japan—			
Superphosphates .. .. .	30,000	28,799	25,937
New Caledonia—			
Phosphate-rock .. .. .	2,000	8,858	2,200

IMPORTS OF PHOSPHATES, ETC.  
(Less Re-exports)  
(Long tons)

Importing Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Phosphate-rock .. .. .	423,043	383,875	427,490
Superphosphates .. .. .	49,911	30,466	29,038
Basic slag .. .. .	648	8,703	2,492
Irish Free State—			
Phosphate-rock .. .. .	58,001	63,456	72,170
Superphosphates .. .. .	11,425	14,957	8,191
Basic slag .. .. .	3,197	7,616	15,143
Mauritius—			
Phosphatic guano .. .. .	33	1,255	1,297
Southern Rhodesia—			
Superphosphates .. .. .	3,834	5,934	5,941
Union of South Africa—			
Phosphate-rock .. .. .	80,828	88,127	78,134
Superphosphates .. .. .	92,145	75,871	100,532
Basic slag .. .. .	4,043	3,525	3,384
Canada—			
Phosphate-rock .. .. .	28,370	56,709	74,530
Superphosphates .. .. .	70,791	67,188	85,774
Basic slag .. .. .	3,031	7,184	11,377
British West Indies—			
Trinidad and Tobago—			
Phosphate rock .. .. .	(a)	(a)	219
Superphosphates .. .. .	93	27	55
Basic slag .. .. .	(a)	55	58
British Guiana—			
Superphosphates, basic slag, etc.	2,168	2,933	2,487
British India—			
Superphosphates .. .. .	4,981	4,914	6,300
British Malaya—			
Phosphate-rock .. .. .	75	1,184	3,704
Ceylon—			
Phosphate-rock .. .. .	8,008	9,969	10,698
Superphosphates .. .. .	3,242	1,942	2,047
Basic slag .. .. .	603	633	293
Australia—			
Phosphate-rock .. .. .	372,583	434,098	603,730
Superphosphates .. .. .	2,568	—	3
New Zealand—			
Phosphate-rock .. .. .	185,711	199,946	218,160
Basic slag .. .. .	2,925	16,369	70,025
Other phosphates .. .. .	7,687	11,005	7,941

(a) Information not available.

## IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Phosphate-rock .. .. .	24,428	18,278	23,569
Superphosphates .. .. .	35	17	110
Basic slag .. .. .	20,741	33,821	37,490
Belgium-Luxemburg E.U.—			
Phosphate-rock .. .. .	333,908	248,347	304,511
Superphosphates .. .. .	17,487	11,824	26,080
Basic slag .. .. .	152,661	143,087	119,215
Czechoslovakia—			
Phosphate-rock .. .. .	104,058	110,893	129,416
Superphosphates .. .. .	255	268	—
Basic slag .. .. .	23,055	28,090	11,166
Denmark—			
Phosphate-rock .. .. .	202,639	196,040	209,026
Superphosphates .. .. .	29,238	20,643	10,972
Basic slag .. .. .	814	492	540
Estonia—			
Superphosphates .. .. .	26,361	29,352	27,755
Finland (total imports)—			
Phosphate-rock .. .. .	34,883	35,172	29,408
Superphosphates .. .. .	18,049	35,152	23,004
Basic slag .. .. .	10,386	25,640	18,632
France—			
Phosphate-rock .. .. .	927,869	699,142	817,056
Superphosphates .. .. .	81,550	47,827	54,849
Basic slag .. .. .	53,643	80,468	64,172
Germany—			
Phosphate-rock, etc. .. .. .	818,420	729,284	1,107,382
Superphosphates (b) .. .. .	59,946	61,624	57,689
Basic slag .. .. .	964,842	607,735	427,971
Greece—			
Phosphate-rock .. .. .	26,401	37,663	54,870
Superphosphates .. .. .	7,936	8,771	12,712
Hungary—			
Phosphate-rock .. .. .	2,900	26,968	(a)
Iceland—			
Superphosphates .. .. .	149	(a)	(a)
Italy—			
Phosphate-rock .. .. .	688,230	641,256	758,041
Superphosphates, including bone superphosphates .. .. .	17,877	13,042	—
Basic slag .. .. .	32,049	12,748	118

(a) Information not available.

(b) Figures supplied by the International Superphosphate Manufacturers' Association.



## IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Phosphate-rock .. .. .	46,978	41,177	50,701
Superphosphates .. .. .	19	—	9,742
Basic slag .. .. .	12,886	12,702	17,653
Lithuania—			
Phosphate-rock .. .. .	17,977	15,899	14,189
Superphosphates .. .. .	18,549	38,849	45,430
Basic slag .. .. .	6,302	5,744	1,189
Netherlands—			
Phosphate-rock .. .. .	366,014	359,391	362,754
Superphosphates .. .. .	51,994	34,812	49,273
Basic slag .. .. .	323,686	417,657	386,878
Norway—			
Phosphate-rock .. .. .	19,148	20,149	16,462
Superphosphates .. .. .	30,385	38,994	48,463
Basic slag .. .. .	3,417	2,605	4,503
Poland—			
Phosphate-rock .. .. .	69,521	49,407	129,748
Superphosphates .. .. .	141	123	69
Basic slag .. .. .	24,174	11,928	40,207
Portugal—			
Phosphate-rock .. .. .	135,821	114,756	78,389
Superphosphates .. .. .	9,857	3,336	4,412
Roumania—			
Superphosphates .. .. .	1	18	(a)
Spain—			
Phosphate-rock .. .. .	555,461	585,177	(c) 257,684
Superphosphates .. .. .	495	9,602	—
Basic slag .. .. .	3,223	3,439	(a)
Sweden—			
Phosphate-rock .. .. .	106,633	152,043	131,719
Superphosphates .. .. .	7,719	13,865	31,444
Basic slag .. .. .	53	256	1,705
Switzerland—			
Superphosphates .. .. .	7,249	7,639	4,418
Basic slag .. .. .	105,410	126,058	93,868
Yugoslavia—			
Phosphate-rock .. .. .	(b)10,005	(b)11,167	11,888
Basic slag .. .. .	280	118	280
Algeria—			
Phosphate-rock .. .. .	336	—	657
Superphosphates .. .. .	22,991	14,742	20,817
Basic slag .. .. .	1,811	566	1,383

(a) Information not available.

(b) Estimated.

(c) Exports from various countries to Spain.

## IMPORTS OF PHOSPHATES, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Canary Islands (total imports)—			
Superphosphates .. .. .	16,247	(a)	(a)
Egypt—			
Phosphate-rock .. .. .	5	98	—
Superphosphates .. .. .	66,825	79,771	85,292
Morocco—			
Superphosphates, etc. .. .. .	1,440	729	301
Basic slag .. .. .	2,235	1,417	1,927
Tunis—			
Superphosphates .. .. .	1,486	4,856	4,262
Basic slag .. .. .	428	187	451
Cuba—			
Superphosphates, etc. .. .. .	8,998	15,745	(a)
United States—			
Phosphate-rock .. .. .	—	3,699	3,100
Superphosphates .. .. .	16,308	20,543	18,395
Basic slag .. .. .	131	1,078	758
Chile—			
Superphosphates .. .. .	3	20	1,969
China—			
Superphosphates .. .. .	2,109	958	2,986
Formosa—			
Phosphate-rock .. .. .	4,968	3,000	(a)
Superphosphates .. .. .	58,476	61,694	(a)
French Indo-China—			
Superphosphates .. .. .	(a)	5	1,378
Japan (total imports)—			
Phosphate-rock .. .. .	671,766	745,714	816,707
Korea (total imports)—			
Phosphate-rock .. .. .	20,735	49,173	58,641
Superphosphates .. .. .	61,163	91,685	111,444
Netherlands East Indies—			
Superphosphates .. .. .	4,259	4,042	3,671
Philippine Islands—			
Superphosphates .. .. .	1,990	1,259	745
Syria and Lebanon—			
Phosphates.. .. .	876	890	323

(a) Information not available.

## PLATINUM

### PRODUCTION OF PLATINUM METALS (Troy ounces)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Sierra Leone—			
Crude platinum .. .. .	474	750	484
Union of South Africa—			
Crude ( <i>Pt metals content</i> ) .. .. .	26,370	19,954	19,751
Concentrates ( <i>Pt metals content</i> ) .. .. .	11,372	11,318	13,164
Osmiridium (crude) (c) .. .. .	5,088	5,047	5,431
Canada—			
Crude platinum ( <i>Pt content</i> ) .. .. .	53	39	20
Recovered from Ontario nickel-copper matte :			
Platinum .. .. .	116,177	105,335	131,571
Other platinum metals .. .. .	83,932	84,772	103,671
New South Wales—			
Crude platinum .. .. .	180	98	47
Tasmania—			
Osmiridium (crude) .. .. .	488	235	281
New Zealand—			
Crude platinum .. .. .	—	14	29
Papua (years ended June 30)—			
Crude platinum .. .. .	89	46	24
Osmiridium (crude) .. .. .	4	9	—
FOREIGN COUNTRIES			
U.S.S.R. (Russia)—			
Crude platinum (estimated) .. .. .	100,000	100,000	100,000
Abyssinia (b)—			
Crude platinum .. .. .	5,612	5,350	8,038

(b) Amount registered, which is probably not total production.

(c) It is estimated by the Department of Mines, Union of South Africa, that the osmiridium sold during these years contained the following amounts of the metals mentioned below (fine ounces) :—

	1934	1935	1936
Osmium .. .. .	1,858	1,731	1,670
Iridium .. .. .	1,706	1,501	1,432
Ruthenium .. .. .	713	694	730
Platinum .. .. .	670	594	641
Rhodium .. .. .	30	29	25

## PRODUCTION OF PLATINUM METALS (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Belgian Congo—			
Palladium .. .. .	3,588	5,144	12,571
Platinum .. .. .	1,260	965	3,183
United States (b)—			
Crude platinum .. .. .	3,720	9,069	9,895
New platinum metals recovered by refineries from gold and copper ores of domestic origin—			
Platinum .. .. .	1,062	1,361	4,443
Palladium .. .. .	1,271	1,115	4,505
Iridium, osmiridium, etc. ..	2	7	36
Colombia—			
Crude platinum .. .. .	54,768	38,628	38,333
Panama—			
Crude platinum .. .. .	—	16	19
Japan—			
Crude platinum .. .. .	118	51	34
Palladium .. .. .	(a)	11	(a)
Iridium .. .. .	(a)	2	(a)

(a) Information not available.

(b) Secondary platinum metals recovered in the United States were as follows (troy ounces)—

	1934	1935	1936
Platinum .. .. .	35,494	47,107	55,959
Palladium .. .. .	5,606	7,852	6,786
Iridium .. .. .	1,328	2,191	2,204
Other platinum metals	1,328	1,975	1,217

## EXPORTS OF PLATINUM.\*

(Domestic Produce)

(Troy ounces)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ingots, grain and powder .. ..	14,382	18,419	16,086
Other kinds, including alloys .. ..	4,932	25,069	14,486
Sierra Leone—			
Unrefined platinum .. ..	339	556	375
Union of South Africa—			
Osmiridium .. ..	5,776	5,176	5,113
Platinum' .. ..	22,014	32,934	27,950
Canada—			
Concentrates, etc.(b) .. ..	(c) 133,072	(£1,026,996)	(£1,375,817)
Scrap .. ..	410	618	317
Australia—			
Bars, blocks, rods, plates, etc. .. ..	2,070	338	491
Osmiridium .. ..	286	188	135
New Zealand—			
Platinum (jewellers' sweepings) .. ..	35	27	50
Papua (years ended June 30)—			
Osmiridium .. ..	—	9	—
Platinum .. ..	96	46	21
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire .. ..	60	—	—
Belgium-Luxemburg E.U.—			
Unwrought platinum .. ..	(£57,100)	(£80,000)	(£90,900)
France—			
Unwrought platinum and scrap .. ..	13,150	25,817	15,014
Drawn or rolled platinum .. ..	5,273	8,649	10,256
Germany—			
Platinum metals and alloys .. ..	72,304	102,288	32,553

\* Official figures which, in many cases, do not include platinum sent by letter post.

(b) Excluding platinum contained in copper matte.

(c) Platinum metals content.

EXPORTS OF PLATINUM (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Italy—			
Sheets, bars, dust, scrap, etc. ..	2,946	2,056	403
Netherlands—			
Unwrought platinum .. ..	7,684	12,539	11,542
Poland—			
Ingots, sheets, wire, etc. ..	83	55	446
Sweden—			
Unwrought platinum .. ..	64	32	225
Switzerland—			
Unwrought platinum .. ..	10,095	23,212	14,950
U.S.S.R. (Russia) .. .. .	(b)	(b)	(b)
Belgian Congo—			
Platinum .. .. .	—	7	40
Palladium .. .. .	—	398	198
United States—			
Ingots, sheets, wire, etc. ..	1,897	3,271	55,454
Colombia—			
Platinum .. .. .	54,219	38,605	38,334

(b) Exports of platinum metals from U.S.S.R. (Russia) are not published, but imports into the under-mentioned countries from U.S.S.R. (Russia) were (troy-ounces) :—

	1934	1935	1936
United Kingdom .. ..	10	97,071	59,244
France .. ..	20,962	9,774	(a)
Germany .. ..	17,175	23,959	(a)
United States .. ..	12,763	25,033	4,750
Japan .. ..	21,139	15,123	(a)

## IMPORTS OF PLATINUM\*

*(Less Re-exports)*

(Troy ounces)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ingots, grain and powder.. ..	18,314	110,498	71,594
Other kinds, including alloys .. ..	(b) 853	(b) 34	183
Canada—			
Bars, sheets, wire, etc. .. ..	(£10,314)	(£11,350)	(£28,327)
Australia—			
Bars, rods, plates, etc. .. ..	673	1,361	3,477
New Zealand—			
Bars, sheets, wire, etc. .. ..	147	173	301
FOREIGN COUNTRIES			
Austria—			
Ingots, sheets and wire .. ..	3,600	6,400	2,500
Belgium-Luxemburg E.U.—			
Unwrought platinum .. ..	(£56,200)	(£31,000)	(£33,000)
Bulgaria—			
Ingots, bars, sheet and wire .. ..	47	16	3
Denmark—			
Rods, sheets and wire .. ..	161	900	96
Finland (total imports)—			
Unwrought platinum .. ..	98	146	169
France—			
Unwrought platinum and scrap .. ..	37,423	53,820	56,553
Drawn or rolled platinum .. ..	4,533	15,239	15,818
Germany—			
Ore .. .. .	—	(£9,900)	(£28,600)
Platinum metals and alloys .. ..	73,641	84,981	525,883
Hungary—			
Bars, sheets and wire .. ..	1,286	2,861	1,608

\* Official figures which, in many cases, do not include platinum sent by letter post.

(b) Excess of re-exports.

## IMPORTS OF PLATINUM (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Bars, dust and scrap .. .. .	13,495	12,239	2,205
Sheets and foil .. .. .	142	392	—
Wire .. .. .	26	43	5
Latvia—			
Ingots, sheets and wire .. .. .	59	67	110
Netherlands—			
Unwrought platinum .. .. .	9,292	18,840	14,243
Norway—			
Sheets, rolled and wire .. .. .	900	96	611
Poland—			
Ingots, sheets, wire, etc. .. .. .	2,190	3,613	2,194
Roumania—			
Ingots, sheets and wire .. .. .	650	338	(a)
Spain (total imports)—			
Unwrought platinum .. .. .	392	2,251	(a)
Bars, sheets, wire, etc. .. .. .	35	106	(a)
Sweden—			
Unwrought platinum .. .. .	119	506	488
Switzerland—			
Unwrought platinum .. .. .	10,224	23,470	13,471
Egypt—			
Ingots, bars, sheets, etc. .. .. .	1,217	1,187	1,519
United States—			
Ore ( <i>Pt content</i> ) .. .. .	—	688	2,204
Ingots, sheets, etc. .. .. .	133,298	121,862	155,134
Iridium .. .. .	2,922	5,456	2,668
Osmium and osmiridium .. .. .	5,403	4,699	6,047
Palladium .. .. .	29,954	26,579	38,842
Rhodium and ruthenium .. .. .	2,734	4,865	5,537
Brazil (total imports)—			
Ingots, sheets and wire .. .. .	2,013	1,122	1,481
Chile—			
Ingots, bars, scrap, etc. .. .. .	194	67	102
Venezuela—			
Unwrought platinum .. .. .	19	38	(a)
Japan (total imports)—			
Platinum .. .. .	38,960	22,955	24,317

(a) Information not available.



## POTASH MINERALS

### PRODUCTION OF POTASH (Long tons)

Producing Country and Description.	1934	1935	1936	K <sub>2</sub> O Content or Equivalent.		
				1934	1935	1936
<b>BRITISH EMPIRE</b>						
Palestine—						
Muriate (chloride)	14,013	16,929	23,085	7,006	8,601	11,542
India—						
Nitrate (estimated)	9,000	9,200	8,700	4,300	4,400	4,100
Australia—						
Alunite .. .. .	—	2	746	—	—	(a)
Total (estimated)				11,300	13,000	15,600
<b>FOREIGN COUNTRIES</b>						
France (b)—						
K <sub>2</sub> O equivalent—						
Sylvinite, etc. :						
12-22% ..	541,008	505,597	466,253	} 350,505	341,785	359,432
30-40% ..	181,871	194,460	146,037			
50% and over ..	306,964	300,705	385,090			
Germany—						
Kainite, sylvinite, etc. .. .. .	8,648,231	10,138,217	10,185,376	1,228,691	1,434,889	1,450,000
Carnallite, etc. ..	816,566	1,349,941	1,393,371	79,740	136,861	140,000
Italy—						
Alunite .. .. .	1,580	2,059	3,913	160	200	400
Poland—						
Kainite .. .. .	84,811	80,304	87,778	} 54,797	9,720	} 82,609
Sylvite .. .. .	210,528	283,541	331,005		68,110	
Langbeinit .. ..	1,447	13,694	8,419		1,640	
Spain—						
Chlorides, etc. ..	314,585	243,590	(a)	137,369	119,455	(a)
Nitrified earth ..	500	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Crude salts mined were as follows—1934—2,021,942 long tons.

1935—1,952,126 " "

1936—2,066,353 " "

## PRODUCTION OF POTASH (Cont.)

Producing Country and Description.	1934	1935	1936	K <sub>2</sub> O Content or equivalent.		
				1934	1935	1936
FOREIGN COUNTRIES (Cont.)						
U.S.S.R. (Russia) (b)						
Chloride, 85% KCl	149,697	} 319,618	385,239	93,500	170,000	220,000
do. 98% KCl	7,864					
Mixed 65% KCl	102,211					
United States—						
Crude salts ..	246,189	319,620	385,241	128,877	172,137	220,839
Korea—						
Alunite (impure)	55,439	80,223	(a)	(a)	(a)	(a)
Total .. ..				2,070,000	2,460,000	2,600,000
WORLD'S TOTAL				2,080,000	2,470,000	2,600,000

(a) Information not available.

(b) Sylvinitic (22% KCl) mined was—1934— 985,780 long tons.

1935—1,298,000 " "

1936—1,769,000 " "

## EXPORTS OF POTASH SALTS

*(Domestic Produce)**(Long tons)*

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Fertilizer salts .. .. .	143	169	232
Chromate and bichromate .. .. .	703	546	402
Nitrate .. .. .	1,632	1,564	1,255
Sulphate .. .. .	801	1,009	684
Other compounds .. .. .	482	565	576
Aden (including re-exports)—			
Compounds .. .. .	402	308	230
British India—			
Nitrate .. .. .	8,314	8,663	8,140
British Malaya (including re-exports)—			
Nitrate .. .. .	395	293	368
Hong Kong (including re-exports)—			
Nitrate .. .. .	541	666	536
Chlorate .. .. .	1,012	1,111	1,127
Palestine—			
Chloride .. .. .	11,247	17,838	23,003
FOREIGN COUNTRIES			
Austria—			
Carbonate .. .. .	388	277	103
Caustic potash .. .. .	—	1	—
Chloride .. .. .	—	1	2
Nitrate .. .. .	328	242	233
Belgium-Luxemburg E.U.—			
Fertilizer salts .. .. .	153,964	133,970	117,275
Carbonate .. .. .	3,160	2,472	1,880
Caustic potash and lyes .. .. .	1,826	933	359
Chloride .. .. .	106,410	151,589	137,107
Chlorate .. .. .	28	231	344
Chromates, including those of sodium .. .. .	108	577	452
Nitrate .. .. .	275	167	3
Sulphate .. .. .	48,830	68,058	69,866
Czechoslovakia—			
Fertilizer salts .. .. .	8	—	—
Carbonate .. .. .	1,753	804	1,274
Chloride .. .. .	637	1,388	228

## EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—(cont.)			
Manganate and permanganate, including those of sodium ..	853	890	929
Nitrate .. .. .	15	19	40
Sulphate .. .. .	237	332	517
Finland—			
Chlorate .. .. .	1,158	938	999
France—			
Carbonate .. .. .	1,319	1,928	2,146
Caustic potash .. .. .	7,537	8,176	8,515
Chloride .. .. .	532,576	530,025	439,008
Nitrate .. .. .	1,573	1,662	1,647
Permanganate .. .. .	367	437	532
Sulphate .. .. .	10,574	17,602	14,762
Germany—			
Fertilizer salts .. .. .	692,910	599,466	633,332
Carbonate and wool grease ash ..	13,474	9,852	8,733
Caustic potash .. .. .	25,257	18,069	15,620
Chlorate .. .. .	7,221	9,167	8,208
Manganate and permanganate ..	508	458	713
Nitrate .. .. .	22,746	27,552	30,571
Sulphates and chloride .. .. .	292,222	439,963	390,466
Hungary—			
Fertilizer salts .. .. .	104	40	182
Carbonate .. .. .	858	589	189
Italy—			
Fertilizer salts .. .. .	10	15	93
Carbonate .. .. .	4	21	23
Caustic potash .. .. .	1	10	8
Chlorate .. .. .	29	16	56
Chloride .. .. .	6	9	42
Nitrate .. .. .	1	1	1
Netherlands—			
Fertilizer salts .. .. .	4,387	4,072	14,989
Caustic potash .. .. .	603	229	382
Chloride .. .. .	1,298	2,044	1,243
Nitrate .. .. .	74	49	79
Sulphate .. .. .	637	1,123	138
Poland—			
Fertilizer salts .. .. .	44,240	82,202	81,977
Caustic potash .. .. .	1	36	178
Chlorate .. .. .	270	287	311
Nitrate .. .. .	360	492	592

## EXPORTS OF POTASH SALTS (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Chlorate .. .. .	6	—	(a)
Spain—			
Fertilizer salts .. .. .	263,083	248,558	(a)
Caustic potash and soda .. .. .	667	376	(a)
Sweden—			
Carbonate .. .. .	13	87	20
Chlorate .. .. .	4,832	4,810	4,448
Caustic potash .. .. .	614	695	649
Switzerland—			
Caustic potash .. .. .	4	—	—
Nitrate (crude) .. .. .	23,618	16,916	20,948
Nitrate, including nitrate of soda (pure) .. .. .	771	841	—
U.S.S.R. (Russia)—			
Fertilizer salts .. .. .	108,245	61,435	10,012
Carbonate .. .. .	—	—	15
Chlorate .. .. .	447	483	654
Chloride .. .. .	36,230	17,484	23,151
Chromates .. .. .	446	352	239
Caustic potash .. .. .	1,633	3,340	3,298
Nitrate .. .. .	15	271	413
Algeria—			
Fertilizer salts .. .. .	14	22	—
Sulphate .. .. .	9	—	31
United States—			
Fertilizer salts .. .. .	24,990	67,842	92,878
Compounds.. .. .	1,894	3,250	2,083
China—			
Carbonate .. .. .	56	37	67
Japan—			
Bichromate .. .. .	(a)	265	521
Chlorate .. .. .	1,946	2,856	2,255
Iodide .. .. .	44	20	17
Syria and Lebanon—			
Carbonate .. .. .	—	21	18
Caustic potash .. .. .	7	1	11

(a) Information not available.

## IMPORTS OF POTASH SALTS

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom			
Fertilizer salts .. .. .	89,092	94,367	81,023
Carbonate .. .. .	3,494	3,318	3,646
Caustic potash and lyes .. .. .	6,612	6,339	6,252
Chlorate .. .. .	1,147	1,385	1,195
Chloride .. .. .	46,456	57,356	68,735
Nitrate .. .. .	6,043	9,323	3,877
Sulphate .. .. .	36,010	37,218	40,505
Other compounds .. .. .	1,066	1,064	1,376
Irish Free State—			
Kainite .. .. .	8,991	12,076	9,580
Fertilizer salts (20% K <sub>2</sub> O) .. .. .	3,949	8,372	} 11,320
do. (30% K <sub>2</sub> O) .. .. .	1,542	3,565	
Chlorate .. .. .	60	33	52
Chloride .. .. .	2,974	4,079	4,444
Nitrate .. .. .	261	298	214
Sulphate .. .. .	230	292	272
Other compounds .. .. .	73	86	89
Mauritius—			
Nitrate .. .. .	3,477	3,893	3,701
Sulphate .. .. .	—	101	61
Northern Rhodesia—			
Compounds .. .. .	290	310	271
Southern Rhodesia—			
Compounds .. .. .	33	121	146
Union of South Africa—			
Fertilizer salts .. .. .	4,728	6,611	6,979
Nitrate .. .. .	99	106	44
Caustic .. .. .	291	228	340
Other compounds .. .. .	729	636	828
Canada—			
Kainite .. .. .	2,605	587	42
Chlorate .. .. .	104	648	472
Chloride .. .. .	20,303	27,156	26,529
Nitrate .. .. .	915	621	657
Crude sulphate .. .. .	1,515	2,533	3,246
Other compounds .. .. .	1,131	1,254	911

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
British West Indies—			
Barbados—			
Carbonate .. .. .	(a)	1,635	1,787
Trinidad and Tobago—			
Sulphate .. .. .	93	348	316
Aden (total imports)—			
Compounds .. .. .	369	294	289
British India—			
Bichromate .. .. .	241	287	292
Chlorate .. .. .	1,495	2,708	1,507
Chloride .. .. .	4,577	3,399	2,466
Other compounds .. .. .	1,979	1,861	1,133
British Malaya (total imports)—			
Nitrate .. .. .	467	315	454
Ceylon—			
Kainite .. .. .	101	125	100
Chlorides .. .. .	7,146	5,879	6,259
Nitrate of potash refuse .. .. .	1,969	1,175	1,073
Sulphate .. .. .	115	10	151
Hong Kong (total imports)—			
Nitrate .. .. .	895	842	496
Chlorate .. .. .	1,404	1,548	1,075
Palestine—			
Fertilizer salts .. .. .	(a)	(a)	424
Chlorate .. .. .	105	170	94
Australia—			
Bichromate .. .. .	74	68	73
Carbonate .. .. .	346	413	310
Caustic potash .. .. .	294	367	366
Chlorate .. .. .	595	731	633
Cyanides, including sodium cyanides .. .. .	1,275	2,053	2,809
Nitrate .. .. .	445	467	335
Other compounds .. .. .	312	368	3,451
New Zealand—			
Kainite .. .. .	1,011	739	873
Other fertilizer salts .. .. .	5,269	7,887	7,877
Chlorate .. .. .	84	75	117
Nitrate .. .. .	77	88	75
Sulphate .. .. .	566	921	801
Other compounds (£. N.Z.) .. .. .	(£8,765)	(£8,644)	(£8,011)

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Fertilizer salts .. .. .	27,648	15,630	20,261
Carbonate .. .. .	180	167	90
Caustic potash .. .. .	166	220	247
Chloride .. .. .	1,362	1,356	1,798
Chromates .. .. .	71	26	28
Nitrate .. .. .	26	—	—
Sulphate .. .. .	95	29	74
Belgium-Luxemburg E.U.—			
Fertilizer salts .. .. .	340,348	280,394	172,272
Carbonate .. .. .	978	1,796	765
Caustic potash and lyes .. .. .	2,231	3,402	3,513
Chlorate .. .. .	670	771	1,122
Chloride .. .. .	259,911	308,084	285,513
Chromates, including those of sodium .. .. .	685	725	1,020
Manganate and permanganate .. .. .	96	93	97
Nitrate .. .. .	1,132	1,371	2,173
Sulphate .. .. .	1,941	6,219	1,987
Bulgaria—			
Carbonate .. .. .	1	3	3
Caustic potash .. .. .	13	21	19
Chloride .. .. .	33	38	30
Chromates .. .. .	33	49	45
Nitrate .. .. .	68	120	60
Czechoslovakia—			
Kainite .. .. .	23,992	27,678	28,263
Fertilizer salts (18-24% K <sub>2</sub> O) .. .. .	1,033	5	—
do. do. (38-44% K <sub>2</sub> O) .. .. .	50,272	54,427	51,956
do. do. (other) .. .. .	160	110	152
Carbonate and nitrate .. .. .	2	2	1
Chloride .. .. .	3,809	11,090	4,328
Sulphate .. .. .	357	500	389
Denmark—			
Fertilizer salts (20% K <sub>2</sub> O or less) .. .. .	15	78	—
do. do. (37%-40% K <sub>2</sub> O) .. .. .	93,247	72,151	89,223
do. do. (other) .. .. .	272	388	322
Carbonate .. .. .	761	899	895
Caustic potash .. .. .	4,256	3,539	2,858
Chlorate .. .. .	146	134	186
Chloride .. .. .	79	915	827
Chromate .. .. .	21	24	19
Nitrate .. .. .	666	800	470
Sulphate .. .. .	—	6	5



## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Fertilizer salts .. .. .	3,351	4,804	4,306
Carbonate .. .. .	24	28	51
Chlorate .. .. .	41	49	38
Nitrate .. .. .	17	32	34
Finland (total imports)—			
Fertilizer salts .. .. .	25,193	27,007	30,104
Carbonate .. .. .	207	229	288
Caustic potash .. .. .	41	41	50
Chlorate .. .. .	16	29	50
Chloride .. .. .	588	762	771
Chromates .. .. .	147	141	168
Nitrate .. .. .	39	44	83
France—			
Alunite .. .. .	6	2	—
Carbonate .. .. .	735	465	644
Caustic potash .. .. .	81	24	49
Chlorate .. .. .	17	—	—
Chromate and bichromate .. .. .	368	262	225
Chloride .. .. .	10,609	374	46
Nitrate .. .. .	1	2	—
Sulphate .. .. .	231	2	3,307
Germany—			
Fertilizer salts .. .. .	—	12	—
Carbonate and wool grease ash .. .. .	63	8	3
Caustic potash .. .. .	187	135	204
Chlorate .. .. .	15	20	7
Manganates .. .. .	—	40	117
Greece—			
Carbonate .. .. .	556	471	462
Caustic potash .. .. .	16	66	33
Nitrate .. .. .	87	138	64
Hungary—			
Fertilizer salts .. .. .	650	1,151	1,149
Carbonate .. .. .	82	4	—
Caustic potash .. .. .	276	319	400
Chlorate, etc. .. .. .	227	113	59
Iceland—			
Fertilizer salts .. .. .	61	(a)	(a)
Carbonate .. .. .	9	(a)	(a)
Caustic potash .. .. .	31	(a)	(a)
Nitrate .. .. .	6	(a)	(a)

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Italy—			
Fertilizer salts .. .. .	62,127	55,305	19,697
Carbonate .. .. .	1,511	1,066	215
Caustic potash .. .. .	2,528	2,215	1,067
Chlorate .. .. .	31	22	2
Nitrate .. .. .	583	752	845
Latvia—			
Fertilizer salts .. .. .	7,527	14,451	12,244
Carbonate .. .. .	132	126	94
Caustic potash .. .. .	118	135	107
Chlorate .. .. .	42	49	37
Chromates .. .. .	20	34	32
Nitrate .. .. .	73	53	50
Sulphate .. .. .	40	78	12
Lithuania—			
Kainite, etc. .. .. .	293	—	—
Fertilizer salts (20–40% K <sub>2</sub> O) ..	1,563	1,949	2,657
do. (other) .. .. .	378	19	47
Nitrate .. .. .	18	13	46
Netherlands—			
Kainite .. .. .	13,398	4,720	7,534
Fertilizer salts (20% K <sub>2</sub> O) ..	302,026	278,849	186,969
do. (40% K <sub>2</sub> O) .. .. .	95,774	115,085	116,504
Caustic potash .. .. .	718	806	786
Chloride .. .. .	3,176	3,147	4,284
Nitrate .. .. .	1,317	2,091	718
Sulphate .. .. .	4,831	7,495	10,388
Patent potash .. .. .	29,771	37,141	39,382
Norway—			
Fertilizer salts .. .. .	20,471	48,448	31,605
Carbonate .. .. .	534	522	502
Caustic potash and lyes .. ..	1,721	1,784	1,803
Chloride .. .. .	145	108	2,208
Nitrate .. .. .	143	75	133
Poland—			
Fertilizer salts .. .. .	46	35	16
Carbonate .. .. .	85	23	137
Caustic potash .. .. .	32	22	143
Chlorate .. .. .	79	75	16
Chloride .. .. .	109	551	311
Sulphate .. .. .	105	785	430

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Portugal—			
Kainite, etc. .. .. .	147	93	39
Carbonate .. .. .	45	38	44
Caustic potash .. .. .	14	13	10
Chlorate .. .. .	129	194	98
Chloride .. .. .	1,087	1,112	1,569
Nitrate .. .. .	219	647	80
Sulphate .. .. .	1,260	1,436	1,600
Roumania—			
Fertilizer salts .. .. .	185	134	(a)
Carbonate and bicarbonate .. .. .	96	84	(a)
Caustic potash .. .. .	94	120	(a)
Chlorate .. .. .	11	5	(a)
Nitrate .. .. .	78	129	(a)
Spain—			
Fertilizer salts .. .. .	7,197	10,921	(a)
Carbonate .. .. .	181	203	(a)
Caustic potash and soda .. .. .	395	387	(a)
Chlorate .. .. .	3	22	(a)
Permanganate .. .. .	15	21	(a)
Sweden—			
Fertilizer salts (20% K <sub>2</sub> O) .. .. .	21,339	17,508	19,558
do. (40% K <sub>2</sub> O) .. .. .	55,461	64,226	73,876
do. (other) .. .. .	4,993	1,078	2,634
Carbonate .. .. .	1,547	1,621	1,559
Caustic potash .. .. .	3,659	3,226	3,384
Chlorate .. .. .	6	—	—
Chloride .. .. .	7,212	7,840	6,165
Nitrate .. .. .	434	454	553
Switzerland—			
Fertilizer salts .. .. .	27,481	27,036	29,782
Carbonate .. .. .	363	459	505
Caustic potash .. .. .	2,012	2,008	2,030
Chloride .. .. .	1,396	1,522	1,858
Nitrate, crude .. .. .	2	2	3
Nitrate purified, including sodium nitrate .. .. .	672	815	912
Yugoslavia—			
Fertilizer salts .. .. .	851	694	1,448
Carbonate .. .. .	36	80	25

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Yugoslavia—(cont.)			
Caustic potash .. .. .	71	101	92
Chromates .. .. .	47	67	—
Nitrate .. .. .	20	23	42
Algeria—			
Fertilizer salts .. .. .	4,481	241	342
Carbonate .. .. .	13	11	77
Caustic potash .. .. .	27	32	33
Chlorate .. .. .	13	—	—
Nitrate .. .. .	49	63	261
Sulphate .. .. .	3,988	2,313	4,321
Canary Islands (total imports)—			
Fertilizer salts .. .. .	7,000	(a)	(a)
Egypt—			
Fertilizer salts .. .. .	616	2,214	1,771
Carbonate .. .. .	30	50	4
Caustic potash .. .. .	27	30	62
Chlorate .. .. .	48	73	98
Chromates, including those of sodium .. .. .	401	379	343
Manganates .. .. .	12	13	18
Madagascar—			
Chloride .. .. .	71	54	68
Nitrate .. .. .	154	78	286
Sulphate .. .. .	128	125	212
Morocco—			
Fertilizer salts .. .. .	1,079	1,128	2,024
Carbonate .. .. .	33	43	12
Caustic potash .. .. .	168	271	153
Mozambique—			
Carbonate .. .. .	13	7	6
Tunis—			
Carbonate .. .. .	8	16	35
Chlorate .. .. .	8	7	3
Chloride .. .. .	285	69	2,509
Nitrate .. .. .	35	27	22
Sulphate .. .. .	181	13	20
Cuba—			
Fertilizer salts .. .. .	1,357	4,959	(a)
Carbonate .. .. .	270	2,209	(a)

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Guatemala—			
Caustic potash .. .. .	73	93	87
Nitrate .. .. .	11	11	53
Mexico—			
Chlorate .. .. .	625	(a)	(a)
Nitrate, including nitrate of soda	6,196	7,367	3,398
United States—			
Kainite .. .. .	114,900	74,007	52,940
Fertilizer salts .. .. .	79,281	85,324	34,869
Carbonate .. .. .	5,806	1,840	1,248
Caustic potash .. .. .	1,793	1,530	1,380
Chlorates .. .. .	4,822	6,392	6,228
Chloride .. .. .	126,093	231,475	208,040
Cyanide .. .. .	36	49	45
Nitrate .. .. .	32,764	41,076	58,876
Sulphate .. .. .	61,786	86,336	65,344
Argentina—			
Bichromate .. .. .	94	134	106
Carbonate .. .. .	67	98	251
Caustic potash .. .. .	119	127	122
Chlorate .. .. .	(a)	409	298
Cyanide .. .. .	27	28	20
Nitrate .. .. .	126	178	125
Sulphate .. .. .	23	50	22
Brazil (total imports)—			
Caustic potash .. .. .	32	69	41
Nitrate .. .. .	3,445	1,912	5,559
Potash and soda ash .. .. .	11,729	16,732	18,650
Chile—			
Bichromate .. .. .	33	57	65
Carbonate .. .. .	28	17	27
Caustic potash .. .. .	31	35	69
Chlorate .. .. .	71	155	75
Nitrate .. .. .	—	3	1
Colombia—			
Carbonate .. .. .	7	(a)	2
Caustic potash .. .. .	15	25	4
Chlorate .. .. .	90	(a)	97
Nitrate .. .. .	(a)	(a)	53
Sulphate .. .. .	(a)	(a)	27

(a) Information not available.

IMPORTS OF POTASH SALTS (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Peru—			
Fertilizer salts .. .. .	252	1,699	18,840
Caustic potash .. .. .	31	7	15
Venezuela—			
Carbonate .. .. .	6	5	(a)
Caustic potash .. .. .	1	11	(a)
Nitrate .. .. .	35	79	(a)
China—			
Carbonate .. .. .	9	14	48
Caustic potash .. .. .	58	56	42
Chromates .. .. .	194	180	270
Chlorate .. .. .	3,858	3,548	4,290
Nitrate .. .. .	773	399	264
Formosa—			
Chloride .. .. .	379	605	(a)
Sulphate .. .. .	2,358	2,698	(a)
French Indo-China—			
Carbonate .. .. .	29	9	1
Chlorate .. .. .	57	146	218
Chloride .. .. .	10	88	960
Nitrate .. .. .	63	52	49
Sulphate .. .. .	40	75	103
Japan (total imports)—			
Bichromate .. .. .	77	84	29
Caustic potash .. .. .	435	429	257
Chlorate .. .. .	510	95	303
Chloride .. .. .	45,139	75,652	77,677
Cyanide, including sodium cyanide	282	325	355
Sulphate .. .. .	48,103	83,287	70,494
“Manchoukuo”—			
Chlorate .. .. .	283	492	420
Nitrate .. .. .	11	—	—
Netherlands East Indies—			
Fertilizer salts .. .. .	681	1,165	1,482
Caustic potash .. .. .	69	40	47
Nitrate .. .. .	140	146	163
Philippine Islands—			
Chlorate .. .. .	80	126	152
Sulphate .. .. .	682	878	955

(a) Information not available.

## IMPORTS OF POTASH SALTS (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Syria and Lebanon—			
Fertilizer salts .. .. .	315	512	1,139
Caustic potash .. .. .	3	1	—
Chloride .. .. .	15	—	74
Turkey—			
Carbonate .. .. .	877	257	664
Caustic potash .. .. .	24	34	19

## PYRITES

PRODUCTION OF PYRITES\*  
(including Cupreous Pyrites)  
(Long tons)

Producing Country.	1934	1935	1936	Estimated Sulphur Content.		
				1934	1935	1936
BRITISH EMPIRE						
United Kingdom ..	2,145	4,194	4,623	(a)	(a)	(a)
Southern Rhodesia	11,528	12,040	19,140	4,600	4,800	7,700
Union of South Africa .. ..	15,518	24,672	24,146	6,900	11,096	10,978
Canada (c) .. ..	(d) 33,175	26,076	113,582	(d) 4,912	12,966	56,400
Cyprus .. ..	199,472	357,282	525,227	99,736	178,641	262,614
Australia .. ..	12,030	25,555	33,711	(a)	(a)	(a)
Total .. ..	274,000	450,000	720,000			
FOREIGN COUNTRIES						
Bulgaria .. ..	20	—	—	9	—	—
Czechoslovakia ..	17,637	20,000	18,783	7,408	8,300	7,891
Finland (b) .. ..	70,043	81,712	77,477	32,220	36,800	34,900
France .. ..	158,517	149,590	145,687	69,042	67,969	65,000
Germany .. ..	222,079	272,414	297,523	95,398	115,666	127,000
Greece .. ..	148,566	130,200	158,769	71,549	63,000	76,000
Italy .. ..	799,565	820,240	851,736	373,610	372,000	398,000
Norway .. ..	945,722	879,401	1,015,529	418,009	399,856	448,953
Poland .. ..	1,141	720	37,508	491	310	16,128
Portugal .. ..	215,937	211,362	238,791	100,000	100,000	112,000

\* See also Sulphur (page 382).

(a) Information not available.

(b) Pyrite concentrate only.

(c) Includes pyrite ore, also concentrates made from copper ores.

(d) Includes 23,294 tons shipped for fluxing only, this item is not included in the Sulphur content figure.



## PRODUCTION OF PYRITES (Cont.)

Producing Country.	1934	1935	1936	Estimated Sulphur Content.		
				1934	1935	1936
FOREIGN COUNTRIES						
<i>(Cont.)</i>						
Roumania.. ..	3,938	9,699	9,841	1,615	5,000	5,000
Spain .. ..	2,039,682	2,250,000	(a)	1,200,000	1,300,000	(a)
Sweden .. ..	98,984	105,128	132,086	39,461	42,398	56,114
Yugoslavia ..	22,157	82,218	78,494	10,000	37,000	36,500
U.S.S.R.(Russia)..	516,900	609,000	(a)	(a)	(a)	(a)
Algeria .. ..	13,425	12,952	16,280	6,175	5,950	7,814
United States (b)..	432,524	514,192	547,236	167,645	203,047	216,592
China .. ..	40,000	(a)	(a)	(a)	(a)	(a)
Japan .. ..	1,073,261	1,317,745	1,665,891	480,000	580,000	750,000
Korea .. ..	39,392	54,733	(a)	(a)	(a)	(a)
" Manchoukuo " ..	3,000	9,000	(a)	(a)	(a)	(a)
Total .. ..	6,800,000	7,600,000	(a)			
WORLD'S TOTAL	7,100,000	8,000,000	(a)			

(a) Information not available.

(b) Includes by-product pyrite from zinc operations in Wisconsin and New York, and pyrite and pyrrhotite concentrates from copper operations in Tennessee.

## EXPORTS OF PYRITES

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Iron-pyrites and cupreous pyrites	1,525	1,882	240
Southern Rhodesia—			
Iron pyrites .. .. .	(a)	10,449	12,625
Canada—			
Pyrites ( <i>S content</i> ) .. .. .	8,769	6,795	46,600
Cyprus—			
Cupreous pyrites .. .. .	150,195	207,789	220,367
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U. .. .. .	(a)	(a)	13,060
France .. .. .	8,144	47,118	17,417
Germany—			
Pyrites, etc. .. .. .	18,491	21,538	26,402
Greece.. .. .	146,637	94,449	128,802
Italy.. .. .	315,757	257,961	158,880
Netherlands .. .. .	5,339	5,128	7,756
Norway—			
Iron-pyrites .. .. .	280,250	301,961	396,917
Cupreous pyrites .. .. .	366,162	289,895	337,364
Poland .. .. .	—	171	—
Portugal—			
Cupreous pyrites .. .. .	226,247	126,149	340,699
Roumania .. .. .	75	437	(a)
Spain—			
Iron-pyrites .. .. .	1,791,687	1,779,281	(a)
Cupreous pyrites, containing not more than 5% Cu .. .. .	244,770	183,777	(a)
Copper ore and cupreous pyrites, containing more than 5% Cu ..	—	52	(a)
Sweden .. .. .	1,050	4,659	19,757
U.S.S.R. (Russia) .. .. .	1,772	—	—
Yugoslavia .. .. .	30,692	61,709	68,222

(a) Information not available.

## IMPORTS OF PYRITES

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Iron and cupreous pyrites ..	335,509	308,569	311,085
Irish Free State .. .. .	29,466	24,635	33,844
FOREIGN COUNTRIES			
Austria .. .. .	62,607	64,160	59,746
Belgium-Luxemburg E.U. ..	(a)	(a)	170,211
Czechoslovakia .. .. .	144,001	136,929	164,195
Denmark .. .. .	107,549	91,713	111,209
France .. .. .	431,520	416,332	517,101
Germany—			
Pyrites, etc. .. .. .	971,669	1,002,478	1,026,295
Hungary .. .. .	13,798	39,593	(a)
Italy—			
Iron-pyrites .. .. .	117,473	34,466	—
Cupreous pyrites .. .. .	103	—	2,703
Latvia .. .. .	18,108	21,857	18,325
Netherlands .. .. .	312,512	244,843	285,866
Norway .. .. .	199	943	—
Poland .. .. .	30,765	32,126	29,715
Sweden .. .. .	185,377	194,522	200,033
Yugoslavia .. .. .	945	—	3,235
Algeria .. .. .	9,681	6,048	(a)
Morocco .. .. .	—	—	4,880
United States .. .. .	366,315	397,113	429,313

(a) Information not available.

**QUICKSILVER**

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PRODUCTION OF QUICKSILVER  
(Lb.)

Producing Country.	1934	1935	1936	1937
<b>BRITISH EMPIRE,</b>				
Australia (concentrates) .. .. .	167	1,299	5,911	
New Zealand .. .. .	3,852	563	—	
<b>FOREIGN COUNTRIES</b>				
Austria .. .. .	—	—	220	
Czechoslovakia .. .. .	58,052	152,379	142,546	
Germany ( <i>Hg</i> content of ore) .. .. .	(a)	8,800	(a)	
Italy .. .. .	973,061	2,142,893	3,247,409	5,062,5
Roumania .. .. .	139	28	—	
Spain .. .. .	2,416,729	2,702,500	(a)	
U.S.S.R. (Russia) .. .. .	590,000	(a)	(a)	
Algeria .. .. .	—	—	8,823	
Tunis .. .. .	—	1,764	5,470	
Mexico .. .. .	348,161	477,067	403,355	
United States .. .. .	1,173,820	1,331,368	1,259,244	
Bolivia (exports) .. .. .	(c) 50,384	32,040	16,885	
China .. .. .	1,200	(a)	(a)	
Japan .. .. .	14,930	11,219	33,100	
Korea .. .. .	—	306	(a)	
Turkey .. .. .	3,192	1,929	63,504	
<b>WORLD'S TOTAL</b> .. .. .	<b>5,600,000</b>	<b>6,900,000</b>	(a)	

(a) Information not available.

(c) Gross weight, including packing.

## EXPORTS OF QUICKSILVER, ETC.

(Domestic Produce)

(Lb.)

Exporting Country and Description.	1934	1935	1936	1937
BRITISH EMPIRE				
United Kingdom—				
Quicksilver .. .. .	2,471	2,639	8,512	
British Malaya (including re-exports)—				
Quicksilver .. .. .	260	38	31	
Hong Kong (including re-exports)—				
Cinnabar .. .. .	26,500	(a)	(a)	
Quicksilver .. .. .	47,100	57,100	60,400	
Vermilion .. .. .	(£21,491)	(£24,563)	(£16,077)	
New Zealand—				
Quicksilver .. .. .	3,825	—	—	
FOREIGN COUNTRIES				
Austria—				
Quicksilver .. .. .	700	8,400	—	
Belgium-Luxemburg E.U.—				
Quicksilver .. .. .	51,600	15,200	16,300	
Mercury salts .. .. .	1,100	200	26,900	
Czechoslovakia—				
Quicksilver .. .. .	7,300	55,300	27,800	
France—				
Quicksilver .. .. .	3,100	7,700	6,000	
Mercury salts .. .. .	8,400	8,600	16,100	
Germany—				
Cinnabar .. .. .	13,400	27,600	50,000	
Quicksilver and amalgam .. .. .	39,500	33,500	25,600	
Mercury salts .. .. .	122,100	181,400	240,700	
Italy—				
Quicksilver .. .. .	2,315,300	2,724,700	3,143,100	5,097,961
Chloride of mercury .. .. .	38,400	32,800	21,200	
Sulphide of mercury .. .. .	39,500	32,800	29,800	
Other mercury salts .. .. .	23,400	72,300	17,600	
Netherlands—				
Quicksilver and amalgam .. .. .	2,741	2,661	2,094	

(a) Information not available.

## EXPORTS OF QUICKSILVER, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Spain—			
Quicksilver .. .. .	2,556,700	5,045,900	(a)
Mercury salts .. .. .	1,016	441	(a)
Sweden—			
Quicksilver .. .. .	165	456	289
Switzerland—			
Quicksilver .. .. .	1,370	156	1,027
U.S.S.R. (Russia)—			
Quicksilver .. .. .	200	1,100	8,800
Yugoslavia—			
Quicksilver and amalgam ..	—	236	—
Algeria—			
Quicksilver .. .. .	—	—	10,500
Mexico—			
Quicksilver .. .. .	331,282	456,113	379,047
United States—			
Quicksilver .. .. .	(a)	(a)	19,980
Bolivia—			
Quicksilver .. .. .	50,384	32,040	16,885
Chile—			
Quicksilver .. .. .	2,344	—	—
China—			
Quicksilver .. .. .	224,210	99,808	186,928
Vermilion .. .. .	2,220	1,563	5,860
Korea—			
Ore .. .. .	(a)	207,000	179,000
Turkey—			
Quicksilver .. .. .	—	227	53,319
Sulphide of mercury .. .. .	—	—	1,922

(a) Information not available.

## IMPORTS OF QUICKSILVER, ETC.

*(Less Re-exports)**(Lb.)*

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Quicksilver .. .. .	1,236,361	1,465,442	1,285,235
Southern Rhodesia—			
Quicksilver .. .. .	23,246	35,416	40,857
Tanganyika—			
Quicksilver .. .. .	1,771	2,305	2,372
Union of South Africa—			
Quicksilver .. .. .	60,465	78,619	86,730
Canada—			
Quicksilver .. .. .	246,892	121,471	78,781
Mercury salts .. .. .	(£602)	(£1,498)	(£949)
British Guiana—			
Quicksilver .. .. .	2,590	3,922	1,893
British India—			
Quicksilver .. .. .	219,163	462,164	53,076
British Malaya (total imports)—			
Quicksilver .. .. .	3,166	5,000	3,239
Hong Kong (total imports)—			
Cinnabar .. .. .	3,200	(a)	(a)
Quicksilver .. .. .	168,400	230,900	160,400
Vermilion .. .. .	(£3,579)	(£4,815)	(£1,777)
Australia—			
Quicksilver .. .. .	49,815	60,496	73,894
Mercury salts .. .. .	16,063	17,318	17,527
New Zealand—			
Quicksilver .. .. .	4,460	5,110	5,318
FOREIGN COUNTRIES			
Albania—			
Quicksilver .. .. .	302	908	293
Austria—			
Quicksilver .. .. .	24,700	44,100	26,700
Belgium-Luxemburg E.U.—			
Quicksilver .. .. .	171,000	199,300	139,300
Sulphide of mercury .. .. .	2,600	3,500	2,900
Mercury salts .. .. .	3,100	9,500	11,000
Bulgaria—			
Quicksilver .. .. .	730	2,200	2,676
Czechoslovakia—			
Quicksilver .. .. .	97,700	200	—

(a) Information not available.

## IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Denmark—			
Quicksilver .. .. .	5,100	56,000	10,400
Estonia—			
Quicksilver .. .. .	492	666	1,106
Mercury salts .. .. .	1,054	1,037	1,468
Finland (total imports)—			
Cinnabar .. .. .	1,552	1,451	1,914
Quicksilver and amalgam ..	3,135	6,847	89,009
France—			
Quicksilver .. .. .	236,600	341,300	512,100
Mercury salts .. .. .	54,200	61,100	32,800
Germany—			
Cinnabar .. .. .	—	700	200
Quicksilver and amalgam ..	1,433,700	1,915,400	1,517,400
Mercury salts .. .. .	7,900	16,500	21,200
Greece—			
Quicksilver .. .. .	4,308	4,453	3,102
Hungary—			
Quicksilver .. .. .	8,400	8,600	(a)
Italy—			
Quicksilver .. .. .	200	—	—
Mercury salts .. .. .	4,400	2,000	2,200
Latvia—			
Quicksilver .. .. .	800	2,357	1,830
Mercury salts .. .. .	2,048	3,673	2,447
Lithuania—			
Quicksilver .. .. .	900	1,300	900
Netherlands—			
Quicksilver and amalgam ..	16,940	84,342	18,653
Norway—			
Quicksilver .. .. .	3,772	4,173	4,694
Poland—			
Cinnabar .. .. .	400	—	—
Quicksilver .. .. .	46,100	26,000	39,500
Mercury salts .. .. .	13,200	20,300	26,500
Portugal—			
Quicksilver .. .. .	15,532	19,057	9,050
Mercury salts .. .. .	10,922	335,744	121,169
Roumania—			
Quicksilver .. .. .	16,621	12,577	(a)
Mercury salts .. .. .	9,830	12,699	(a)

(a) Information not available.



## IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Spain—			
Quicksilver .. .. .	—	900	(a)
Mercury salts .. .. .	3,245	2,795	(a)
Sweden—			
Quicksilver .. .. .	68,334	144,877	82,327
Switzerland—			
Quicksilver .. .. .	18,964	32,558	46,440
U.S.S.R. (Russia)—			
Quicksilver .. .. .	200	—	44,100
Mercury salts .. .. .	2,000	—	—
Yugoslavia—			
Quicksilver and amalgam ..	9,515	7,963	34,690
Mercury salts .. .. .	11,834	12,273	14,517
Algeria—			
Quicksilver .. .. .	400	700	7,400
Angola—			
Quicksilver .. .. .	24	9	(a)
Egypt—			
Quicksilver .. .. .	3,477	4,749	2,906
Madagascar—			
Quicksilver .. .. .	33	92	29
Morocco—			
Quicksilver .. .. .	1,105	2,674	2,698
Mozambique—			
Quicksilver .. .. .	333	743	776
Tunis—			
Quicksilver .. .. .	—	700	700
Mercury sulphide .. .. .	—	900	200
Cuba (total imports)—			
Quicksilver .. .. .	1,351	3,652	(a)
Guatemala—			
Quicksilver .. .. .	229	159	150
Panama—			
Quicksilver .. .. .	545	(a)	(a)
Mercury salts .. .. .	293	(a)	(a)
United States—			
Quicksilver .. .. .	774,564	593,904	1,374,652
Mercury salts .. .. .	1,539	1,087	1,334
Argentina—			
Quicksilver .. .. .	24,198	31,074	22,101
Mercury salts .. .. .	12,734	17,805	19,568
Brazil (total imports)—			
Quicksilver .. .. .	9,445	17,845	22,077

(a) Information not available.

## IMPORTS OF QUICKSILVER, ETC. (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Chile—			
Quicksilver .. .. .	7,866	4,246	15,007
Mercury salts .. .. .	3,128	3,122	4,555
Colombia—			
Quicksilver .. .. .	12,463	18,823	19,701
Mercury salts .. .. .	3,523	(a)	5,614
Dutch Guiana—			
Quicksilver .. .. .	2,024	534	(a)
French Guiana—			
Quicksilver .. .. .	2,000	4,409	2,000
Peru—			
Quicksilver .. .. .	10,534	4,742	8,616
Mercury salts .. .. .	1,662	1,433	1,614
Venezuela—			
Quicksilver .. .. .	3,038	298	(a)
Mercury salts .. .. .	478	498	(a)
China—			
Cinnabar .. .. .	7,637	8,558	7,013
Quicksilver .. .. .	39,286	48,010	41,747
Vermilion (b) .. .. .	73,200	59,265	43,539
Formosa—			
Vermilion and cinnabar .. .. .	7,008	9,738	(a)
French Indo-China—			
Cinnabar .. .. .	6,600	7,300	7,300
Quicksilver .. .. .	2,600	3,100	2,600
Vermilion .. .. .	4,200	4,800	4,000
Japan (total imports)—			
Quicksilver .. .. .	1,097,902	1,799,633	1,130,781
Korea (total imports)—			
Quicksilver .. .. .	61,960	88,687	85,762
“Manchoukuo”—			
Vermilion .. .. .	84,985	39,280	73,399
Netherlands East Indies—			
Quicksilver .. .. .	7,516	8,042	15,503
Syria and Lebanon—			
Quicksilver .. .. .	445	547	22
Turkey—			
Quicksilver .. .. .	1,327	448	536
Mercury salts .. .. .	20,223	12,652	6,177

(a) Information not available.

(b) Imports of artificial vermilion amounted to 788,152 lb., 1,177,398 lb. and 662,639 lb., during 1934, 1935 and 1936, respectively.

## SALT

## PRODUCTION OF SALT

(Long tons)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Rock-salt .. .. .	20,848	19,539	20,416
Brine-salt .. .. .	2,499,025	2,680,553	2,812,400
Malta .. .. .	2,200	2,000	1,900
Mauritius (estimated)			
Sea-salt .. .. .	1,500	1,500	1,500
Nigeria (estimated) .. .. .	400	400	400
Somaliland (exports)—			
Sea-salt .. .. .	3,161	2,613	1,485
South West Africa .. .. .	2,756	4,942	3,762
Anglo-Egyptian Sudan .. .. .	24,035	26,115	26,600
Kenya .. .. .	(a)	3,750	(a)
Tanganyika Territory .. .. .	7,301	6,807	8,398
Uganda .. .. .	4,872	1,565	3,351
Union of South Africa (b) .. .. .	81,918	85,883	(a)
Canada .. .. .	289,319	319,844	349,389
British West Indies (exports)—			
Sea-salt—			
Bahamas .. .. .	3,125	536	—
Turks and Caicos Islands .. .. .	18,663	28,348	41,237
Ceylon .. .. .	62,448	40,955	39,696
Cyprus (estimated) .. .. .	3,000	3,000	3,000
India (including Aden)—			
Rock-salt .. .. .	179,171	178,352	172,255
Other salt .. .. .	1,784,531	1,769,821	1,563,633
Palestine—			
Rock-salt .. .. .	837	853	743
Sea-salt .. .. .	9,241	10,212	7,931
Australia—			
Victoria (b) .. .. .	46,074	47,592	(a)
Western Australia .. .. .	2,670	(a)	4,227
South Australia .. .. .	61,083	78,003	66,326
Total* ..	5,100,000	5,300,000	5,200,000

\* See page 362.

(a) Information not available.

(b) Years ended June 30.

## PRODUCTION OF SALT (Cont.)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Rock-salt .. .. .	850	1,237	700
Brine-salt .. .. .	161,146	195,078	188,273
Bulgaria—			
Brine-salt .. .. .	6,300	5,246	6,662
Sea-salt, etc. .. .. .	48,640	36,050	40,000
Czechoslovakia—			
Rock-salt .. .. .	139,883	156,269	164,934
Brine-salt .. .. .	5,090	4,901	4,889
France—			
Rock-salt and brine-salt .. .. .	1,646,853	1,579,317	1,566,412
Sea-salt .. .. .	391,783	351,017	203,000
Germany—			
Rock-salt .. .. .	1,992,225	2,044,508	2,346,176
Brine-salt .. .. .	501,272	552,718	532,729
Greece—			
Sea-salt .. .. .	105,995	112,180	73,271
Italy—			
Rock-salt and brine-salt .. .. .	387,094	475,801	491,904
Sea-salt .. .. .	566,212	658,788	756,389
Netherlands (sales) .. .. .	73,578	69,842	75,066
Poland—			
Rock-salt .. .. .	240,856	240,761	240,951
Brine-salt .. .. .	257,529	266,000	218,205
Portugal—			
Rock-salt .. .. .	28	31	29
Sea-salt (exports) .. .. .	55,618	80,670	72,776
Roumania—			
Rock-salt .. .. .	303,847	318,878	295,685
Sea-salt .. .. .	(a)	1,428	2,121
Spain—			
Rock-salt .. .. .	157,496	(a)	(a)
Brine-salt and sea-salt .. .. .	592,795	(a)	(a)
Switzerland .. .. .	80,307	78,497	79,895
U.S.S.R. (Russia)—			
Rock-salt .. .. .	1,572,200	1,794,100	(a)
Evaporated-salt .. .. .	251,800	268,400	(a)
Lake-salt .. .. .	1,297,400	1,755,400	(a)
Other salt .. .. .	367,300	462,900	(a)
Yugoslavia—			
Brine-salt .. .. .	41,260	42,862	44,491
Sea-salt .. .. .	(a)	(a)	17,822
Algeria—			
Rock-salt and sea-salt .. .. .	42,208	65,649	61,400

(a) Information not available.

PRODUCTION OF SALT (*Cont.*)

Producing Country and Description.	1934	1935	1936
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Abyssinia (estimated) .. ..	10,000	10,000	10,000
Angola (estimated) .. .. .	30,000	30,000	30,000
Belgian Congo .. .. .	874	880	(a)
Canary Islands (estimated) ..	2,000	2,000	2,000
Egypt (exports) .. .. .	283,913	252,794	233,494
French Morocco—			
Rock-salt .. .. .	1,047	1,175	801
French Somaliland (exports) ..	34,936	75,292	21,638
French West Africa (exports) ..	1,182	375	736
Mozambique—			
Sea-salt .. .. .	1,662	3,382	2,480
Tripoli (estimated) .. .. .	22,000	22,000	22,000
Tunis .. .. .	85,592	78,444	127,000
Mexico .. .. .	(b) 80,000	56,834	(a)
Netherlands West Indies (exports) ..	6,376	3,722	2,249
Panama—			
Sea-salt .. .. .	10,731	12,024	(a)
United States—			
Rock-salt .. .. .	1,708,198	1,570,752	1,794,267
Brine-salt .. .. .	3,051,285	3,426,440	3,821,214
Evaporated salt .. .. .	2,037,012	2,080,395	2,267,497
Cuba (sea-salt) .. .. .	24,168	20,000	32,892
Argentina .. .. .	191,372	230,738	(a)
Brazil .. .. .	276,540	344,000	384,000
Chile .. .. .	30,717	35,877	46,486
Colombia—			
Rock-salt .. .. .	5,678	5,058	5,483
Brine-salt (estimated) .. .. .	35,000	35,000	52,165
Sea-salt .. .. .	12,221	24,787	(a)
Costa Rica .. .. .	3,277	3,450	(a)
Ecuador (sea-salt) .. .. .	12,572	13,500	16,368
Guatemala (sea-salt) .. .. .	2,867	2,040	7,926
Peru—			
Rock-salt .. .. .	8,450	9,428	(a)
Brine-salt .. .. .	3,380	3,771	(a)
Sea-salt .. .. .	21,971	24,513	(a)
Venezuela .. .. .	27,909	(a)	24,731
China (estimated) .. .. .	2,500,000	2,600,000	2,900,000
Formosa—			
Sea-salt (sun-dried) .. .. .	158,690	117,502	167,791
do. (other) .. .. .	29,861	29,513	18,988

(a) Information not available.

(b) Estimated.

## PRODUCTION OF SALT (Cont.)

Producing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
French Indo-China .. .. .	158,000	200,000	189,200
Iraq—			
Rock-salt .. .. .	} 7,874	{ 2,356	2,760
Sea-salt .. .. .		{ 4,578	(a)
Japan (b) .. .. .	665,496	594,777	(a)
Korea .. .. .	136,000	136,000	136,000
Kwantung (Year ended Mar. 31) ..	245,500	498,000	405,000
“Manchoukuo” .. .. .	720,000	720,000	(a)
Netherlands East Indies—			
Government production .. ..	81,144	85,040	89,755
Native production .. .. .	9,767	16,657	(a)
Portuguese India .. .. .	100,000	100,900	100,092
Syria (estimated) .. .. .	7,000	7,000	7,000
Turkey—			
Rock-salt .. .. .	} 187,591	{ 15,262	(a)
Brine-salt .. .. .		{ 49,931	(a)
Sea-salt .. .. .		{ 146,104	217,000
Total* .. .. .	24,000,000	26,000,000	27,000,000
WORLD'S TOTAL* .. .. .	29,000,000	31,000,000	32,000,000

\* Salt is also produced in many countries for which statistics are not available, e.g., Gold Coast, Bolivia, Siam.

(a) Information not available.

(b) Excluding production from salt beds, which, although on government beach lands, have no fixed areas. Figures refer to years ended March 31 following that stated.

## EXPORTS OF SALT

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Rock-salt .. .. .	9,616	7,414	7,890
Other salt .. .. .	256,849	264,264	272,147
Anglo-Egyptian Sudan .. .. .	18,957	24,373	30,007
Gold Coast .. .. .	23	9	7
Kenya and Uganda .. .. .	222	168	266
Somaliland Protectorate—			
Sea-salt .. .. .	3,161	2,613	1,485
Southern Rhodesia .. .. .	4	19	46
Tanganyika Territory .. .. .	3,157	3,170	3,448
Union of South Africa .. .. .	6,007	7,392	6,851
Canada .. .. .	5,890	8,076	4,955
British West Indies—			
Bahamas ( <i>b</i> ) .. .. .	3,125	536	—
Leeward Islands .. .. .	(£1,442)	(£1,565)	(£3,173)
Turks and Caicos Islands ( <i>b</i> ) .. .. .	18,663	28,348	41,237
Aden (including re-exports) .. .. .	284,514	340,268	321,059
British India .. .. .	63,196	64,257	62,855
British Malaya (including re-exports)	8,101	5,813	8,422
Hong Kong (including re-exports) .. .. .	11,988	13,220	2,805
Australia—			
Rock-salt .. .. .	28	4	1,056
Refined salt (£ <i>Australian</i> ) .. .. .	(£448)	(£167)	(£201)
Other salt .. .. .	11,876	12,806	15,065
FOREIGN COUNTRIES			
Austria .. .. .	25,020	23,956	15,443
Belgium-Luxemburg E.U.—			
Common salt .. .. .	478	790	1,292
Refined salt .. .. .	530	583	3,161

*(b)* Converted from bushels at the rate of 28 bushels = 1 long ton.

## EXPORTS OF SALT (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Refined salt, etc. . . . .	—	—	2
Denmark—			
Refined salt, etc. . . . .	33	13	19
France . . . . .	136,573	114,787	129,577
Germany—			
Rock-salt, sea-salt, etc. . . . .	667,017	709,512	776,500
Greece . . . . .	25,858	12,287	29,667
Italy—			
Rock-salt and sea-salt . . . . .	130,652	139,888	65,471
Latvia . . . . .	10	1	—
Netherlands—			
Rock-salt and sea-salt . . . . .	11	17	6
Refined salt and waste . . . . .	29,764	28,191	34,244
Norway . . . . .	46	36	1
Poland . . . . .	12,024	7,456	6,836
Portugal . . . . .	55,618	80,670	72,776
Roumania . . . . .	61,780	46,689	(a)
Spain—			
Common salt . . . . .	394,238	359,457	(a)
Sweden . . . . .	1,041	199	499
U.S.S.R. (Russia) . . . . .	122,379	130,980	150,365
Algeria . . . . .	28,990	35,508	32,335
Angola . . . . .	2,711	3,950	4,872
Belgian Congo . . . . .	37	37	15
Canary Islands (including re-exports)	10	(a)	(a)
Cape Verde Islands . . . . .	15,685	(a)	(a)
Egypt—			
Common salt . . . . .	283,913	252,794	233,494
French West Africa . . . . .	1,182	375	736
French Somaliland . . . . .	34,936	75,292	21,638
Mozambique . . . . .	2,171	455	1,402
Spanish Morocco (including re-exports) . . . . .	20	(a)	(a)
Tunis (including re-exports)—			
Rock-salt and sea-salt . . . . .	42,540	74,144	61,651
Mexico . . . . .	17	1,025	—
Netherlands West Indies . . . . .	6,376	3,722	2,249
United States . . . . .	94,076	100,190	68,727
Argentina . . . . .	4,365	11,203	15,191
Brazil . . . . .	10,038	23	127

(a) Information not available.



## EXPORTS OF SALT (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Chile .. .. .	8	3	3,001
Ecuador .. .. .	487	367	(a)
Nicaragua .. .. .	143	32	—
Venezuela .. .. .	—	904	(a)
China .. .. .	208,203	233,646	307,499
Formosa .. .. .	92,789	109,405	(a)
French Indo-China—			
Rock-salt and sea-salt .. .. .	127	32,658	91,408
Iran (Persia) (including re-exports)(b)	629	906	800
Iraq .. .. .	1,476	—	—
Japan .. .. .	400	25	26
Korea .. .. .	30	22	23
“Manchoukuo”—			
Common salt .. .. .	255,684	156,415	167,977
Semi-refined salt .. .. .	8,484	32,193	203,176
Refined salt .. .. .	79,047	85,797	30,342
Philippine Islands .. .. .	62	34	70
Portuguese India .. .. .	4,914	(a)	(a)
Siam (including re-exports) .. .. .	123,598	135,257	67,730
Turkey .. .. .	1,427	6,754	110,119

(a) Information not available.

(b) Years ended June 21.

## IMPORTS OF SALT

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Rock-salt .. .. .	12,373	11,004	9,750
Other salt .. .. .	32,385	43,574	36,496
Irish Free State—			
Refined salt .. .. .	1,639	2,438	6,385
Other salt .. .. .	30,205	31,229	27,792
Malta—			
Refined salt .. .. .	(£1,241)	(£786)	(£401)
Other salt .. .. .	288	250	—
Anglo-Egyptian Sudan	355	322	345
Gambia .. .. .	2,452	1,061	670
Gold Coast—			
Refined salt .. .. .	15	18	17
Other salt .. .. .	9,137	6,725	10,108
Kenya and Uganda	6,477	7,061	7,780
Mauritius .. .. .	422	250	975
Nigeria .. .. .	45,983	49,330	57,886
Northern Rhodesia .. .. .	1,241	1,731	1,609
Nyasaland .. .. .	2,533	3,277	2,991
Seychelles .. .. .	455	185	196
Sierra Leone .. .. .	3,690	3,171	3,931
South West Africa .. .. .	833	323	278
Southern Rhodesia .. .. .	4,787	6,766	6,803
Tanganyika Territory .. .. .	168	106	466
Union of South Africa—			
Rock-salt .. .. .	377	379	331
Common salt and refined salt .. .. .	1,128	1,336	1,526
Zanzibar .. .. .	1,063	1,239	940
Canada (total imports)—			
Salt for use of fisheries .. .. .	51,136	45,484	28,542
Refined salt .. .. .	1,603	60	38
Other salt .. .. .	71,185	68,962	68,673
Newfoundland (total imports, year ended June 30)—			
Salt in bulk .. .. .	52,576	61,290	54,425
Refined salt .. .. .	(£2,670)	(£2,642)	(£609)
British Honduras .. .. .	395	391	318

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
British West Indies—			
Barbados .. .. .	1,287	2,330	2,194
Bermuda .. .. .	(£1,513)	(£1,197)	(£1,342)
Grenada .. .. .	786	468	408
Jamaica—			
Rock-salt .. .. .	343	337	290
Other salt .. .. .	7,251	7,988	6,364
Leeward Islands .. .. .	(£842)	(£276)	(£1,237)
St. Lucia—			
Common salt .. .. .	566	415	391
Refined salt .. .. .	8	10	11
St. Vincent—			
Rock-salt .. .. .	506	320	400
Refined salt .. .. .	16	28	24
Trinidad and Tobago—			
Rock-salt .. .. .	498	473	316
Refined salt .. .. .	2,799	2,534	2,672
British Guiana—			
Rock-salt .. .. .	1,039	473	720
Refined salt, etc. .. .. .	994	1,132	1,049
Aden (total imports) .. .. .	4	10	3
British Borneo—			
Brunei .. .. .	140	168	155
Sarawak .. .. .	2,863	2,776	2,839
State of North Borneo .. .. .	2,050	1,880	1,755
British India .. .. .	392,174	393,956	387,585
British Malaya (total imports) .. .. .	55,322	55,321	61,462
Ceylon—			
Refined salt .. .. .	62	42	58
Other salt .. .. .	18,923	24	29
Cyprus .. .. .	4	4	6
Hong Kong (total imports) .. .. .	51,802	58,539	38,326
Palestine .. .. .	98	77	(a)
Australia—			
Rock-salt .. .. .	5,006	4,455	5,352
Refined salt .. .. .	(£21,532)	(£26,680)	(£24,748)
Other salt .. .. .	3,782	3,712	3,644
Fiji .. .. .	640	855	707

(a) Information not available.

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
New Guinea (c) (£ Australian) ..	(£1,134)	(£1,010)	(£1,470)
New Zealand .. .. .	36,664	35,935	37,293
Papua (years ended June 30) ..	39	44	50
Solomon Islands (b) .. .. .	7	9	(a)
Western Samoa (£ N. Z.) .. ..	(£234)	(£447)	(£180)
FOREIGN COUNTRIES			
Austria .. .. .	5,229	6,102	6,325
Belgium-Luxemburg E.U.—			
Common salt .. .. .	222,923	229,381	283,568
Refined salt .. .. .	62,248	54,915	64,856
Bulgaria—			
Rock-salt .. .. .	23,609	21,250	21,251
Sea-salt .. .. .	13,393	—	—
Czechoslovakia—			
Common salt .. .. .	143,147	129,117	153,881
Refined salt .. .. .	7	4	4
Denmark—			
Rock-salt .. .. .	6,791	9,809	11,819
Refined salt, etc. .. .. .	80,876	77,885	83,157
Estonia .. .. .	26,985	25,267	27,530
Finland (total imports)—			
Common salt .. .. .	93,416	99,747	88,393
France .. .. .	77,101	78,564	66,475
Germany—			
Rock-salt, sea-salt, etc. .. ..	20,884	9,367	6,257
Hungary .. .. .	100,205	91,713	90,670
Iceland—			
Common salt .. .. .	69,321	} 61,675	(a)
Refined salt .. .. .	110		(a)
Italy—			
Rock-salt and sea-salt .. .. .	3,638	2,110	41,409
Latvia—			
Rock-salt .. .. .	20,006	27,583	24,969
Common salt .. .. .	7,764	3,753	2,992
Sea-salt .. .. .	2,691	733	1,181
Lithuania—			
Crude salt .. .. .	4,109	3,376	6,399
Refined salt .. .. .	28,281	35,820	25,759

(a) Information not available.

(b) Years ended March 31 following.

(c) Years ended June 30.

IMPORTS OF SALT (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Netherlands—			
Rock-salt .. .. .	73,870	67,429	78,112
Sea-salt, etc. .. .. .	37,430	35,184	34,718
Refined salt and waste .. .. .	2,747	3,688	6,336
Norway—			
Rock-salt .. .. .	19,362	16,294	27,115
Common salt .. .. .	175,130	194,553	157,898
Poland .. .. .	969	639	481
Portugal .. .. .	15	15	13
Spain—			
Common salt .. .. .	33	6	(a)
Sweden—			
Common salt .. .. .	152,892	166,835	165,076
Switzerland .. .. .	726	746	735
U.S.S.R. (Russia) .. .. .	31,601	10,815	6,234
Yugoslavia—			
Rock-salt .. .. .	10,277	9,361	9,968
Sea-salt .. .. .	36,352	37,709	27,958
Abyssinia .. .. .	12,857	(a)	(a)
Algeria .. .. .	8,752	7,663	8,298
Belgian Congo .. .. .	12,224	14,084	14,923
Cameroon (French) .. .. .	4,380	5,500	6,589
Canary Islands (total imports) .. .. .	51	(a)	(a)
Egypt—			
Common salt .. .. .	80	130	104
French Equatorial Africa .. .. .	2,295	2,894	3,500
French Somaliland .. .. .	20	9	14
French Togoland .. .. .	3,040	3,118	(a)
French West Africa .. .. .	18,203	17,936	24,085
Liberia .. .. .	1,520	2,228	(a)
Madagascar .. .. .	279	20	333
Morocco .. .. .	11,792	11,052	10,955
Mozambique .. .. .	160	1,389	2,107
Réunion .. .. .	851	1,295	1,260
Spanish Africa (total imports)—			
Ceuta .. .. .	1,261	(a)	(a)
Melilla .. .. .	649	(a)	(a)
Cuba (total imports) .. .. .	17,402	11,411	(a)
French West Indies—			
Guadeloupe .. .. .	1,299	1,111	1,089
Martinique .. .. .	2,148	2,320	(a)
Honduras (b) .. .. .	(a)	383	367

(a) Information not available.

(b) Years ended July 31.

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Mexico .. .. .	1,830	1,823	1,886
Nicaragua (total imports) .. ..	284	243	205
Panama .. .. .	313	(a)	(a)
St. Pierre and Miquelon .. .. .	7,000	18,200	(a)
United States .. .. .	47,432	45,755	42,051
Argentina—			
Rock-salt .. .. .	967	1,254	770
Sea-salt .. .. .	6,500	6,000	3,500
Refined salt .. .. .	283	197	210
Brazil (total imports) .. .. .	10,043	1,912	2,694
Chile .. .. .	85	97	62
Colombia .. .. .	35	25	23
Dutch Guiana .. .. .	625	740	(a)
French Guiana .. .. .	300	300	450
Peru .. .. .	49	51	4
Uruguay—			
Sea-salt .. .. .	30,741	33,482	39,795
French Indo-China .. .. .	153	185	272
Iran (Persia) (c)—			
Common salt .. .. .	1,669	113	1,638
Refined salt .. .. .	3	1,663	9
Iraq .. .. .	13	16	15
Japan (total imports) .. .. .	1,059,477	1,036,855	1,301,511
Korea (total imports) .. .. .	160,794	167,798	156,872
Netherlands East Indies—			
Refined salt .. .. .	205	324	320
Other salt .. .. .	2,941	351	1,037
Philippine Islands .. .. .	3,281	12,177	8,381
Syria and Lebanon .. .. .	10,800	8,206	2,952
New Caledonia .. .. .	498	486	309

(a) Information not available.

(c) Total imports for years ended June 21.

**SILVER**

## PRODUCTION OF SILVER ORE

*(In terms of metal)**(Fine troy ounces)*

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. ..	138,974	92,848	76,885
Bechuanaland Protectorate..	957	1,759	1,378
Gold Coast (estimated) ..	11,000	12,000	14,000
Kenya .. .. .	1,969	3,743	5,721
Nigeria .. .. .	81,000	139,200	153,000
Northern Rhodesia .. ..	187	151	229,151
Sierra Leone .. .. .	1,400	1,673	1,537
Southern Rhodesia .. ..	128,381	132,087	145,072
Tanganyika Territory .. ..	4,876	6,134	8,500
Uganda .. .. .	383	346	924
Union of South Africa .. ..	1,002,203	1,042,203	1,075,625
Canada .. .. .	16,415,282	16,618,558	18,334,487
Newfoundland .. .. .	1,103,091	1,123,997	1,249,472
British Guiana (estimated) ..	3,340	4,010	4,240
Cyprus (b) .. .. .	128,264	44,536	125,704
India .. .. .	5,817,524	5,850,406	5,977,345
Federated Malay States (estimated) .. .. .	2,700	2,600	3,300
Australia .. .. .	11,357,091	11,562,373	12,288,033
Fiji .. .. .	(a)	634	1,185
New Guinea (estimated) .. ..	81,000	83,000	97,000
New Zealand .. .. .	382,615	437,967	432,973
Total .. .. .	36,700,000	37,200,000	40,200,000
FOREIGN COUNTRIES			
Austria .. .. .	28,189	18,318	3,848
Bulgaria .. .. .	16,493	18,454	(a)
Czechoslovakia .. .. .	982,422	1,028,645	1,003,862
Finland .. .. .	(a)	(a)	57,934
France .. .. .	303,978	569,602	(a)
Germany .. .. .	5,944,021	6,256,400	(a)
Greece .. .. .	525,791	217,906	(a)
Hungary .. .. .	13,668	13,263	(a)
Italy .. .. .	373,217	420,000	630,000
Norway .. .. .	200,096	266,080	229,538

*(a)* Information not available.*(b)* Exports.

## PRODUCTION OF SILVER ORE (Cont.)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Poland.. .. .	21,090	32,000	61,000
Portugal .. .. .	—	—	12,905
Roumania .. .. .	417,661	475,223	471,858
Spain .. .. .	1,788,247	1,450,000	(a)
Sweden .. .. .	754,496	835,771	939,519
U.S.S.R. (Russia) (estimated)	2,900,000	3,900,000	5,000,000
Yugoslavia .. .. .	1,767,221	1,753,493	1,785,579
Algeria .. .. .	37,000	46,521	(a)
Belgian Congo .. .. .	3,399,541	3,800,000	2,781,843
Morocco (French) .. .. .	—	900	—
Mozambique .. .. .	763	725	1,337
Tunis .. .. .	22,022	17,007	43,000
Mexico .. .. .	74,143,301	75,587,447	77,462,114
Porto Rico .. .. .	11	8	187
United States.. .. .	32,782,304	48,518,639	60,721,128
Guatemala (c) .. .. .	19,068	3,345	(a)
Honduras .. .. .	3,091,522	2,641,346	3,104,507
Nicaragua .. .. .	45,241	88,543	111,175
Panama .. .. .	11,294	3,370	4,632
Salvador .. .. .	4,848	2,983	3,542
Argentina .. .. .	(a)	(a)	522,800
Bolivia (exports) .. .. .	5,216,177	7,951,338	10,723,000
Brazil .. .. .	22,275	20,833	23,887
Chile .. .. .	1,051,115	1,298,725	1,431,350
Colombia .. .. .	127,461	132,965	151,501
Ecuador .. .. .	96,354	80,266	74,410
Guiana (French and Dutch) (estimated) .. .. .	6,000	6,000	6,000
Peru .. .. .	10,366,607	17,103,768	19,000,000
Venezuela .. .. .	7,000	7,000	7,000
China .. .. .	147,594	150,000	150,000
Formosa (estimated) .. .. .	200,000	(a)	(a)
French Indo-China .. .. .	3,600	3,633	5,594
Japan .. .. .	6,984,729	8,230,535	9,605,231
Korea .. .. .	1,050,000	1,265,000	(a)
"Manchoukuo" .. .. .	2,463	3,497	(a)
Netherlands East Indies .. .. .	773,999	701,700	663,049
Philippine Islands .. .. .	212,700	322,020	467,885
Total .. .. .	156,000,000	186,000,000	207,000,000
WORLD'S TOTAL .. .. .	193,000,000	223,000,000	247,000,000

(a) Information not available.

(c) Imported into the United States from the country indicated.



EXPORTS OF SILVER\*  
(In terms of metal)  
(Fine troy ounces)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Unrefined bullion .. .. .	3,500,000	500,000	450,000
Refined bullion .. .. .	123,400,000	423,300,000	195,500,000
Anglo-Egyptian Sudan—			
Bullion .. .. .	—	44,600	—
Northern Rhodesia—			
Bullion .. .. .	230	110	270
Southern Rhodesia—			
Concentrates .. .. .	20,000	20,100	14,400
Bullion .. .. .	111,000	120,600	125,900
Union of South Africa—			
Bullion .. .. .	429,000	458,000	606,000
Zanzibar—			
Bullion .. .. .	700	14,000	1,700
British West Indies—			
Trinidad and Tobago—			
Bullion .. .. .	—	270	260
Canada—			
Ore, concentrates, etc. .. .. .	1,750,000	1,360,000	3,350,000
Bullion .. .. .	10,300,000	17,000,000	12,800,000
British India—			
Bullion— .. .. .	39,661,000	60,809,000	5,226,000
British Malaya—			
Bullion .. .. .	550,000	1,370,000	610,000
Ceylon—			
Bullion .. .. .	—	—	1,800
Cyprus—			
Ore, etc. .. .. .	128,264	44,536	125,704
Hong Kong—			
Bullion .. .. .	7,300,000	75,000,000	19,500
Australia (years ended June 30)—			
Ores, concentrates and matte .. .. .	1,315,000	362,000	1,044,000
Bullion .. .. .	8,718,000	4,037,000	6,455,000
Fiji—			
Bullion .. .. .	—	—	620
New Zealand—			
Concentrates, sweepings, etc. .. .. .	12,900	1,800	4,600
Bullion .. .. .	319,600	375,000	473,600
FOREIGN COUNTRIES			
Austria			
Bullion .. .. .	91,000	190,000	420,000

\* Excluding silver coin, but including silver shipped for minting.

EXPORTS OF SILVER (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Belgium-Luxemburg E.U.—			
Bullion and scrap .. .. .	7,800,000	12,600,000	8,100,000
Beaten, rolled or drawn .. .. .	1,400	600	1,200
Czechoslovakia—			
Bullion .. .. .	110,000	840,000	200,000
Denmark—			
Bullion .. .. .	90,000	94,000	106,000
France—			
Bullion .. .. .	2,000,000	7,400,000	(a)
Beaten, rolled or drawn .. .. .	100,000	170,000	80,000
Germany—			
Bullion .. .. .	13,000,000	8,300,000	4,700,000
Greece—			
Bullion .. .. .	3,500	8,600	2,000
Hungary—			
Bullion .. .. .	500	500	—
Italy—			
Bullion, etc. .. .. .	72,000	13,000	15,000
Lithuania—			
Bullion, etc. .. .. .	900	4,100	5,300
Netherlands—			
Bullion and scrap ( <i>d</i> ) .. .. .	1,200,000	4,700,000	3,200,000
Norway—			
Bullion .. .. .	—	300	140,000
Poland—			
Bullion .. .. .	34,000	29,000	32,000
Spain—			
Bullion .. .. .	550,000	1,100,000	(a)
Sweden—			
Bullion .. .. .	270,000	280,000	400,000
Switzerland—			
Bullion .. .. .	1,680,000	1,700,000	154,000
U.S.S.R. (Russia) .. .. .	(b)	(b)	(b)
Yugoslavia—			
Bullion .. .. .	83,000	57,000	6,600
Belgian Congo—			
Bullion .. .. .	1,200	20,000	32,000
Egypt—			
Bullion and scrap .. .. .	18,000	771,000	2,800
Tunis—			
Bullion .. .. .	—	3,000	31,000
Honduras ( <i>c</i> )—			
Bullion .. .. .	(a)	2,800,000	2,800,000

(a) Information not available.

(b) Statistics of the exports of silver from the U.S.S.R. (Russia) are not published.

(c) Years ended July 31 of year stated.

(d) Excluding exports by post during 1936.

## EXPORTS OF SILVER (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Mexico—			
Bullion .. .. .	59,118,000	86,074,000	66,335,000
Nicaragua—			
Concentrates .. .. .	44,000	30,000	90,000
Bullion .. .. .	1,600	30,000	1,300
Panama—			
Concentrates .. .. .	10,000	(a)	(a)
United States—			
Ore and base bullion .. .. .	200,000	690,000	1,200,000
Refined bullion .. .. .	21,700,000	5,300,000	2,700,000
Argentina—			
Bullion .. .. .	16,000	110,000	15,000
Bolivia—			
Ores, etc. .. .. .	5,216,000	7,936,000	10,723,000
Bullion .. .. .	(a)	15,000	(a)
Chile—			
Ore (excluding mixed ore) .. .. .	36,000	160,000	22,000
Bullion .. .. .	680,000	300,000	170,000
Colombia—			
Bullion .. .. .	8,000	100,000	170,000
Peru—			
Ores, concentrates, etc. .. .. .	3,094,000	4,840,000	6,933,000
Bullion .. .. .	8,244,000	12,597,000	12,975,000
China—			
Bullion .. .. .	64,000,000	19,300,000	15,000,000
French Indo-China—			
Bullion .. .. .	21,000	52,000	10,600
Iran (Persia) (b)—			
Bullion .. .. .	—	—	1,500,000
Iraq—			
Bullion, etc. .. .. .	5,000	90,000	5,500
Japan—			
Bullion .. .. .	8,600,000	101,000,000	23,300,000
Korea—			
Bullion .. .. .	3,100,000	80,000,000	8,300,000
“Manchoukuo”—			
Bullion .. .. .	—	1,500,000	4,900,000
Netherlands East Indies—			
Bullion and scrap .. .. .	832,000	1,535,000	690,000

(a) Information not available.

(b) Years ended June 21.

## IMPORTS OF SILVER\*

*(In terms of metal)*

(Fine troy ounces)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Unrefined bullion .. ..	78,300,000	67,000,000	46,950,000
Refined bullion .. ..	71,300,000	164,400,000	44,600,000
Anglo-Egyptian Sudan—			
Bullion .. ..	—	—	167,400
Gold Coast—			
Bullion .. ..	1,500	7	1,700
Nigeria—			
Bullion .. ..	300	700	3,000
Sierra Leone—			
Bullion .. ..	600	600	700
Tanganyika Territory—			
Bullion .. ..	—	—	70
Union of South Africa—			
Bullion .. ..	400	2,000	4,000
Zanzibar—			
Bullion .. ..	—	1,200	—
Canada—			
Bullion .. ..	4,600,000	8,700,000	5,300,000
British Guiana—			
Bullion .. ..	—	200	—
British West Indies—			
Trinidad and Tobago—			
Bullion .. ..	2,900	—	5,500
Ceylon—			
Bullion .. ..	80,000	20,000	79,000
Cyprus—			
Bullion .. ..	8,000	3,200	7,500
British India—			
Bullion .. ..	29,013,000	9,051,000	102,023,000
British Malaya—			
Bullion .. ..	550,000	850,000	490,000
Hong Kong—			
Bullion .. ..	2,800,000	800,000	34,000
Australia (years ended June 30)—			
Bullion .. ..	113,000	133,000	146,000
New Zealand—			
Bullion .. ..	5,200	6,700	8,000

\* Excluding silver coin, but including silver shipped for minting.

## IMPORTS OF SILVER (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	460,000	370,000	710,000
Belgium-Luxemburg E.U.—			
Bullion and scrap .. ..	1,200,000	130,000	150,000
Beaten, rolled or drawn ..	25,000	16,000	27,000
Bulgaria—			
Bullion, etc. .. .. .	4,000	12,500	10,000
Czechoslovakia—			
Bullion .. .. .	800,000	240,000	50,000
Denmark—			
Bullion, etc. .. .. .	1,600,000	1,500,000	1,900,000
Estonia—			
Bullion, etc. .. .. .	31,000	19,000	570,000
Finland—			
Bullion, etc. .. .. .	270,000	255,000	358,000
France—			
Bullion .. .. .	5,800,000	4,700,000	(a)
Beaten, rolled or drawn ..	100,000	420,000	360,000
Germany—			
Ores (b) .. .. .	(£150)	(£15,000)	(£6,000)
Bullion .. .. .	16,000,000	3,600,000	5,400,000
Scrap .. .. .	(£246,000)	(£78,000)	(£43,000)
Greece—			
Bullion .. .. .	250	—	1,700
Hungary—			
Bullion .. .. .	90,000	320,000	340,000
Italy—			
Bullion, etc. .. .. .	4,100,000	1,600,000	240,000
Latvia—			
Bullion, etc. .. .. .	65,000	90,000	141,000
Lithuania—			
Bullion, etc. .. .. .	42,000	34,000	580,000
Netherlands—			
Bullion and scrap .. ..	1,300,000	1,300,000	(c) 700,000
Norway—			
Bullion .. .. .	260,000	150,000	320,000
Beaten, rolled or drawn ..	290,000	330,000	500,000
Poland—			
Bullion .. .. .	280,000	217,000	32,000
Portugal—			
Bullion .. .. .	620,000	76,000	265,000

(a) Information not available.

(b) Value of ores; silver content not known.

(c) Excluding imports by parcel post.

## IMPORTS OF SILVER (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Roumania—			
Bullion, etc. .. ..	200	350	(a)
Spain—			
Bullion .. .. .	122,000	366,000	(a)
Sweden—			
Bullion .. .. .	900,000	1,360,000	1,650,000
Switzerland—			
Bullion .. .. .	2,200,000	1,200,000	1,260,000
Yugoslavia—			
Bullion .. .. .	2,400	4,600	5,200
Algeria—			
Bullion, etc. .. ..	30,000	17,000	(a)
Egypt—			
Bullion and scrap .. ..	47,000	19,000	1,081,000
Morocco—			
Bullion, etc. .. ..	400	—	30,000
Beaten, rolled or drawn ..	22,000	100	125,000
Tunis—			
Beaten, rolled or drawn ..	35,000	28,000	22,000
United States—			
Ore and base bullion ..	34,140,000	47,200,000	42,700,000
Refined bullion .. ..	141,750,000	474,100,000	194,700,000
Argentina—			
Bullion .. .. .	800	100	—
Brazil—			
Bullion .. .. .	14,000	13,300	8,400
Chile—			
Bullion .. .. .	500	600	1,400
Colombia—			
Bullion .. .. .	—	2,400	6,300
Dutch Guiana—			
Bullion .. .. .	4,500	2,200	(a)
China—			
Bullion .. .. .	2,400,000	—	1,500
French Indo-China—			
Bullion, etc. .. ..	20,000	1,800	3,000
Beaten, rolled or drawn ..	400	12,000	108,000
Iran (Persia) (years ended June 21)—			
Bullion .. .. .	50,000	—	8,000
Iraq—			
Bullion, etc. .. ..	4,700	10	300

(a) Information not available.

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Japan—			
Bullion .. .. .	200,000	1,000	44,000
Korea—			
Bullion .. .. .	31,000	31,900,000	4,700,000
Netherlands East Indies—			
Bullion and scrap .. .. .	257,000	82,000	168,000
Siam—			
Bullion .. .. .	—	36,000	408,000
Syria and Lebanon—			
Bullion .. .. .	61,000	18,000	41,000
Turkey—			
Bullion, etc. .. .. .	485,000	664,000	2,000

**STRONTIUM MINERALS**

## PRODUCTION OF STRONTIUM MINERALS

(Long tons)

Producing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Celestite .. .. .	9,440	4,510	5,771
FOREIGN COUNTRIES			
France—			
Celestite (b) .. .. .	200	—	(a)
Germany (Prussia)—			
Strontianite .. .. .	341	182	258

(a) Information not available.

(b) Contains about 15% barytes.

## EXPORTS OF STRONTIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
France—			
Strontium compounds .. .. .	1	4	4
Germany (b)—			
Strontianite and witherite .. .. .	209	349	372
Strontium compounds .. .. .	37	52	56

(b) Celestite recorded with barytes.



## IMPORTS OF STRONTIUM MINERALS, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
Czechoslovakia—			
Strontium nitrate .. .. .	2	4	1
France—			
Strontium compounds .. .. .	15	16	28
Italy—			
Strontium compounds (b) .. .	6	5	3
United States—			
Strontianite and celestite.. ..	1,116	1,194	1,732
Strontium compounds .. .. .	120	134	333
Chile—			
Strontium compounds .. .. .	(1 cwt.)	(4 cwt.)	(7 cwt.)
Peru—			
Strontium compounds .. .. .	(4 cwt.)	(12 cwt.)	(11 cwt.)

*(b)* Excluding strontium nitrate.

## SULPHUR

## PRODUCTION OF SULPHUR\*

(Long tons)

Producing Country and Description.	1934	1935	1936	Estimated Sulphur Content.		
				1934	1935	1936
BRITISH EMPIRE						
United Kingdom and Irish Free State— Spent oxide (b) ..	158,600	156,500	161,200	76,000	75,800	61,500
Canada— Smelter gas (d) ..				41,104	46,979	49,554
do. recovered as sulphur				—	275	3,093
Palestine— Sulphur ..	—	634	79	—	561	73
FOREIGN COUNTRIES						
France— Sulphur rock ..	738	620	(a)	69	64	(a)
Germany (estimated)— Recovered from gases				23,000	30,000	(a)
Other by-product sulphur .. ..				4,000	4,000	(a)
Greece— Sulphur rock ..	2,018	(a)	(a)	464	(a)	(a)
Refined sulphur ..	105	23	(a)	104	23	(a)
Hungary— Sulphur recovered from pyrites ..				—	—	60
Italy— Sulphur rock ..	2,071,265	1,911,148	1,980,411	294,000	(a)	(a)
Crude sulphur (c)— Fused .. ..	337,965	307,023	322,395	(a)	(a)	(a)
Ground .. ..	21,820	18,738	20,743	(a)	(a)	(a)
Norway (estimated)— Sulphur recovered from pyrites ..				60,000	65,000	65,000
Portugal— Sulphur recovered from pyrites ..				1,411	8,563	9,383

\* See also Pyrites (page 348).

(a) Information not available.

(b) Consumed by the sulphuric acid industry.

(c) Derived from sulphur ore above.

(d) Estimated sulphur content of gas used in acid making.

## PRODUCTION OF SULPHUR (Cont.)

Producing Country and Description.	1934	1935	1936	Estimated Sulphur Content.		
				1934	1935	1936
<b>FOREIGN COUNTRIES (Cont.)</b>						
Spain—						
Sulphur rock ..	54,065	(a)	(a)	10,800	(a)	(a)
Refined sulphur (d)	42,372	(a)	(a)	(a)	(a)	(a)
Sweden—						
Sulphur .. ..	497	11,502	19,306	(a)	(a)	(a)
United States—						
Crude sulphur ..	1,421,473	1,632,590	2,016,338	(a)	(a)	(a)
Slurry (b) .. ..				1,500	(a)	(a)
Smelter gas (c) ..				150,000	150,000	150,000
Argentina—						
Sulphur .. ..	—	7	(a)	—	(a)	(a)
Bolivia (exports)—						
Sulphur .. ..	5,620	4,183	935	(a)	(a)	(a)
Ecuador—						
Sulphur rock ..	50	50	50	25	25	25
Guatemala—						
Sulphur .. ..	—	—	16	—	—	(a)
Chile—						
Sulphur rock ..	—	4,785	11,600	—	(a)	(a)
Sulphur .. ..	20,356	19,792	25,919	(a)	(a)	(a)
China—						
Sulphur .. ..	3,409	(a)	(a)	(a)	(a)	(a)
Formosa—						
Sulphur .. ..	1,062	(a)	(a)	(a)	(a)	(a)
Japan—						
Sulphur rock ..	4,706	20,764	(a)	2,100	9,300	(a)
Refined sulphur ..	133,273	162,340	172,545	(a)	(a)	(a)
“Manchoukuo”—						
Sulphur .. ..	1,000	(a)	(a)	(a)	(a)	(a)
Netherlands East Indies—						
Sulphur .. ..	12,047	9,492	9,919	10,986	9,482	9,909
Turkey—						
Sulphur .. ..	198	2,144	3,112	80	1,072	3,081

(a) Information not available.

(b) The result of the purification of manufactured fuel gases.

(c) Estimated sulphur content of gas driven off in the smelting of zinc and copper concentrates, chiefly used in acid making.

(d) Derived partly from sulphur rock above and partly from imported crude sulphur.

EXPORTS OF SULPHUR  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	1,096	1,502	2,007
Union of South Africa .. .. .	2	45	8
British Malaya (including re-exports)	60	74	32
Hong Kong (including re-exports)	666	626	2,089
Palestine .. .. .	1	85	339
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	6	22	22
Belgium-Luxemburg E.U. .. .. .	2,713	3,396	7,249
Czechoslovakia .. .. .	4	19	2
France—			
Rock .. .. .	672	1,262	584
Crude .. .. .	1,940	1,338	1,875
Refined lump .. .. .	1,530	1,584	1,041
Flowers of sulphur .. .. .	14,309	9,779	11,559
Precipitated sulphur .. .. .	1,869	2,768	5,868
Germany—			
Sulphur, etc. .. .. .	28,938	24,823	36,931
Italy—			
Rock .. .. .	38	10	15
Crude lump .. .. .	169,094	201,709	172,838
Crude ground .. .. .	5,790	3,802	5,112
Refined lump .. .. .	12,008	12,950	13,595
Refined ground .. .. .	21,813	21,887	5,072
Flowers of sulphur .. .. .	6,739	2,469	6,064
Netherlands .. .. .	28	8	2
Norway .. .. .	63,766	65,124	63,768
Spain—			
Crude, unground .. .. .	2,901	12,973	(a)
Refined and flowers of sulphur .. .. .	41	199	(a)
Sweden .. .. .	3	600	6,325
Switzerland .. .. .	252	—	25
U.S.S.R. (Russia) .. .. .	—	9	13
Algeria—			
Refined and flowers of sulphur .. .. .	126	69	96
United States—			
Crude .. .. .	507,115	402,383	547,200
Refined and flowers of sulphur .. .. .	10,112	10,916	19,706
Argentina .. .. .	25	82	1
Bolivia .. .. .	5,620	4,183	935
Chile .. .. .	17,083	14,822	10,769
Peru .. .. .	1,476	2,149	1,696
Formosa .. .. .	725	747	(a)
Japan .. .. .	44,988	53,743	70,735
Netherlands East Indies .. .. .	3,249	2,009	3,922

(a) Information not available.

## IMPORTS OF SULPHUR

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	87,406	85,753	121,890
Irish Free State .. .. .	218	313	233
Malta—			
Flowers of sulphur .. .. .	(£931)	(£1,259)	(£1,206)
Mauritius .. .. .	330	340	434
South West Africa .. .. .	24	82	85
Southern Rhodesia .. .. .	(b) 1	9	1
Union of South Africa—			
Rock-sulphur .. .. .	13,861	17,150	12,276
Flowers of sulphur .. .. .	1,158	1,244	1,134
Trinidad and Tobago .. .. .	129	(a)	(a)
British Guiana .. .. .	27	51	3
Canada .. .. .	140,801	122,031	150,691
Newfoundland (years ended June 30)	6,027	3,895	—
British India (total imports) ..	21,209	25,044	25,560
British Malaya (total imports) ..	478	477	301
Ceylon .. .. .	535	1,135	895
Cyprus .. .. .	47	196	205
Hong Kong (total imports) ..	1,035	731	958
Palestine .. .. .	145	376	(a)
Australia .. .. .	68,156	75,636	95,244
Fiji .. .. .	1	4	3
New Zealand .. .. .	37,042	47,659	32,244
FOREIGN COUNTRIES			
Albania .. .. .	70	84	66
Austria .. .. .	8,356	9,390	8,859
Belgium-Luxemburg E.U. .. .. .	11,716	13,791	15,907
Bulgaria .. .. .	159	291	226
Czechoslovakia—			
Sulphur .. .. .	9,110	5,727	8,434
Flowers of sulphur .. .. .	58	16	69
Denmark .. .. .	432	444	663

(a) Information not available.

(b) Excess of re-exports.

## IMPORTS OF SULPHUR (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Crude .. .. .	8,418	8,406	9,271
Refined .. .. .	17	19	22
Finland (total imports) .. ..	60,909	54,090	63,384
France—			
Rock .. .. .	195,595	85,610	23,615
Crude .. .. .	131,682	83,621	102,535
Refined lump .. .. .	3,008	306	277
Flowers of sulphur .. .. .	2,511	54	31
Precipitated .. .. .	83	191	382
Germany—			
Sulphur, etc. .. .. .	52,100	60,095	70,272
Greece .. .. .	12,054	12,790	11,432
Hungary .. .. .	2,418	2,820	2,231
Italy .. .. .	17	1	48
Latvia—			
Crude .. .. .	1,475	1,999	2,242
Refined and flowers of sulphur ..	54	68	55
Lithuania—			
Crude .. .. .	29,735	11,550	17,661
Refined .. .. .	31	38	94
Netherlands .. .. .	1,926	1,802	1,682
Norway .. .. .	10,995	14,148	15,510
Poland—			
Crude .. .. .	1,507	3,291	4,079
Refined .. .. .	839	779	617
Flowers of sulphur .. .. .	99	9	30
Portugal—			
Crude .. .. .	12,995	3,130	297
Flowers of sulphur .. .. .	90	41	108
Roumania—			
Crude .. .. .	1,302	1,002	(a)
Refined and flowers of sulphur ..	919	1,107	(a)
Spain—			
Crude, unground .. .. .	15	—	(a)
Refined, ground, and flowers of sulphur .. .. .	661	5	(a)
Sweden .. .. .	81,378	71,351	68,195
Switzerland—			
Crude and ground .. .. .	3,924	3,854	3,949
Flowers of sulphur .. .. .	383	360	449

(a) Information not available.

## IMPORTS OF SULPHUR (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia) .. .. .	4,166	21	2,956
Yugoslavia—			
Crude .. .. .	1,030	1,059	1,094
Refined and flowers of sulphur ..	1,867	1,899	1,153
Algeria—			
Rock .. .. .	5,113	4,255	8,948
Crude .. .. .	10,230	6,221	11,502
Refined .. .. .	608	920	316
Flowers of sulphur .. .. .	8,942	6,664	8,589
Precipitated .. .. .	1,474	2,092	4,737
Angola .. .. .	163	104	(a)
Belgian Congo .. .. .	2,096	2,526	2,485
Canary Islands (total imports)—			
Crude .. .. .	657	(a)	(a)
Refined and flowers of sulphur ..	1,990	(a)	(a)
Egypt .. .. .	1,899	2,755	2,417
Madagascar .. .. .	68	53	61
Morocco .. .. .	1,234	1,135	1,382
Mozambique .. .. .	300	406	281
Spanish Morocco (total imports)—			
Ceuta .. .. .	3	(a)	(a)
Melilla .. .. .	10	(a)	(a)
Tunis—			
Crude .. .. .	7,040	4,566	4,293
Refined and flowers of sulphur ..	3,083	1,551	2,184
Cuba (total imports) .. .. .	70	62	(a)
Guatemala .. .. .	78	67	105
Honduras (years ended July 31) ..	(a)	137	160
Mexico .. .. .	9,688	10,791	311
Panama .. .. .	10	(a)	(a)
United States—			
Sulphur rock and sulphur .. .. .	5,981	1,978	729
Argentina—			
Crude .. .. .	16,016	19,746	29,097
Refined and flowers of sulphur ..	56	56	54
Brazil (total imports) .. .. .	10,629	13,478	13,452
Chile .. .. .	1	50	2
Colombia—			
Flowers of sulphur .. .. .	142	130	186

(a) Information not available.

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Peru .. .. .	210	142	172
Uruguay .. .. .	3,034	3,017	2,906
Venezuela .. .. .	33	—	(a)
China .. .. .	5,501	3,483	5,258
French Indo-China .. .. .	155	202	283
"Manchoukuo" .. .. .	2,541	500	2,006
Netherlands East Indies .. .. .	525	792	424
Syria and Lebanon .. .. .	72	182	193
Turkey—			
Refined and flowers of sulphur..	3,538	2,552	1,447
Precipitated .. .. .	18	41	—

(a) Information not available.



## TALC

### PRODUCTION OF TALC (Long tons).

Producing Country.	1934	1935	1936
BRITISH EMPIRE.			
Union of South Africa .. .. .	215	299	406
Canada (sales) (c) .. .. .	12,463	12,324	12,954
India .. .. .	9,375	12,596	9,968
Australia .. .. .	1,739	1,442	1,502
FOREIGN COUNTRIES			
Austria .. .. .	30,188	30,254	30,000
Bulgaria .. .. .	15	15	—
Finland .. .. .	1,561	2,150	(a)
France .. .. .	67,800	58,600	(a)
Germany (Bavaria) .. .. .	6,824	3,900	5,009
Greece .. .. .	116	543	(a)
Italy .. .. .	37,042	41,014	43,226
Norway .. .. .	27,285	27,343	(a)
Roumania .. .. .	1,902	1,966	2,489
Spain (b) .. .. .	10,750	(a)	(a)
Sweden .. .. .	6,398	5,967	7,033
Egypt .. .. .	2,562	360	345
Morocco (French) (exports) .. .. .	776	709	1,346
United States (sales) .. .. .	123,665	154,211	193,028
Argentina .. .. .	42	173	(a)
Uruguay (exports) .. .. .	2,595	1,181	704
China .. .. .	3,000	(a)	(a)
French Indo-China .. .. .	—	—	670
" Manchoukuo " .. .. .	64,000	70,000	(a)

Talc is also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) In addition 2,590 cubic yards were quarried during 1934.

(c) Excluding soapstone, which is only recorded by value and was as follows :—

1934 .. .. .	£8,900
1935 .. .. .	£6,500
1936 .. .. .	£6,600

## EXPORTS OF TALC

*(Domestic Produce)*

(Long tons)

Exporting Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	97	295	58
Canada .. .. .	8,380	7,971	9,127
FOREIGN COUNTRIES			
Austria .. .. .	20,346	20,620	19,577
Belgium-Luxemburg E.U. .. .. .	75	131	65
Czechoslovakia .. .. .	1,410	1,007	2,119
Finland .. .. .	259	899	2,122
France .. .. .	15,891	13,993	14,392
Germany .. .. .	650	853	740
Italy .. .. .	18,427	17,870	9,742
Norway .. .. .	20,306	19,723	22,927
Roumania .. .. .	286	739	(a)
U.S.S.R. (Russia) .. .. .	949	831	4
Egypt .. .. .	73	707	(a)
Morocco .. .. .	776	709	1,346
United States .. .. .	4,378	5,191	6,155
Chile .. .. .	931	288	49
Uruguay .. .. .	2,595	1,181	704
Japan .. .. .	(a)	6,314	8,194
" Manchoukuo " .. .. .	60,243	73,665	81,785

(a) Information not available.

IMPORTS OF TALC  
(Less Re-exports)  
(Long tons)

Importing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	18,828	23,025	24,542
Seychelles .. .. .	3	7	12
Canada .. .. .	2,586	2,405	2,622
British India .. .. .	24	26	42
Cyprus.. .. .	166	177	31
Australia .. .. .	405	551	557
<b>FOREIGN COUNTRIES</b>			
Albania .. .. .	91	26	46
Austria .. .. .	113	462	830
Belgium-Luxemburg E.U. .. .. .	3,058	3,852	4,275
Czechoslovakia .. .. .	3,586	3,793	4,354
Denmark .. .. .	1,985	2,514	2,162
Estonia .. .. .	134	60	58
Finland (total imports) .. .. .	1,976	773	693
France .. .. .	3,477	3,469	2,650
Germany .. .. .	31,332	24,523	24,144
Latvia .. .. .	124	183	84
Lithuania .. .. .	49	21	32
Poland .. .. .	2,936	3,211	3,403
Roumania .. .. .	181	141	(a)
Yugoslavia .. .. .	587	446	263
Algeria .. .. .	353	459	(a)
Egypt .. .. .	1,542	908	989
Morocco .. .. .	20	23	33
Tunis .. .. .	441	471	638
Guatemala .. .. .	10	7	3
Mexico .. .. .	343	264	266
United States .. .. .	18,169	21,337	21,893
Argentina .. .. .	1,691	1,479	1,229
Chile .. .. .	17	37	26
Colombia .. .. .	20	152	132
Peru .. .. .	107	128	81
Venezuela .. .. .	13	50	(a)
Formosa .. .. .	19	15	(a)
French Indo-China .. .. .	68	92	123
Japan (total imports) .. .. .	52,779	64,219	64,674
Syria and Lebanon .. .. .	53	57	60
Turkey .. .. .	52	20	2

(a) Information not available.

**TIN**

PRODUCTION OF TIN ORE  
(In terms of metal)  
(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	1,999	2,050	2,099
Nigeria .. .. .	5,000	6,299	9,739
Northern Rhodesia .. .. .	—	5	5
Southern Rhodesia .. .. .	8	7	47
South West Africa .. .. .	136	164	162
Swaziland .. .. .	114	127	128
Tanganyika Territory .. .. .	103	145	202
Uganda .. .. .	314	397	409
Union of South Africa .. .. .	570	622	634
India .. .. .	4,061	4,102	4,547
Federated Malay States (shipments)	36,385	40,749	64,719
Unfederated Malay States .. .. .	1,239	1,542	1,979
Straits Settlements .. .. .	51	52	58
Australia .. .. .	2,986	3,130	3,361
Total ..	53,000	59,400	88,100
<b>FOREIGN COUNTRIES</b>			
Germany .. .. .	—	25	(a)
Portugal .. .. .	530	730	823
Spain .. .. .	102	(a)	(a)
Belgian Congo .. .. .	4,356	6,132	7,303
Cameroon (French) .. .. .	150	216	216
Morocco (French) .. .. .	40	40	24
Mozambique .. .. .	—	7	15
Mexico .. .. .	16	621	368
United States .. .. .	8	45	103
Argentina .. .. .	254	600	950
Bolivia (b) .. .. .	22,835	25,002	24,091
China (smelter) .. .. .	7,878	9,700	10,400
French Indo-China .. .. .	1,133	1,310	1,381
Japan .. .. .	1,821	2,202	2,300
Netherlands East Indies .. .. .	20,208	21,089	30,769
Siam .. .. .	10,157	9,737	12,526
Total ..	69,000	78,000	91,000
<b>WORLD'S TOTAL .. .. .</b>	<b>122,000</b>	<b>137,000</b>	<b>179,000</b>

NOTE.—In the case of countries for which assay figures are not published the metal content of the ores has been estimated on the following percentages—South West Africa 70, Swaziland 70, Uganda 70, India 70, Belgian Congo 70, Japan 70, Siam 72.

(a) Information not available.

(b) Exports.

## SMELTER PRODUCTION OF TIN

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom (estimated) ..	25,600	29,100	34,200
British Malaya (b) .. ..	49,637	60,479	84,591
Australia .. .. .	2,330	2,837	2,717
Total ..	78,000	92,000	122,000
FOREIGN COUNTRIES			
Belgium (estimated) .. ..	3,900	4,200	5,100
Germany .. .. .	2,156	2,042	2,200
Netherlands .. .. .	13,411	15,600	20,900
Portugal .. .. .	39	1	—
Norway .. .. .	174	454	233
Belgian Congo (exports) ..	—	1,661	1,949
Argentina .. .. .	200	(a)	(a)
China .. .. .	7,878	9,700	10,400
Japan .. .. .	1,199	2,036	1,830
Netherlands East Indies (exports) ..	10,506	11,221	12,854
Total ..	39,000	47,000	56,000
WORLD'S TOTAL	117,000	139,000	178,000

Secondary tin recovered in the United States (as metal, in alloys, and in chemical compounds) was as follows—

1934 .. 22,200 long tons.  
 1935 .. 24,900 " "  
 1936 .. 25,018 " "

Secondary tin recovered in Italy was as follows—

1934 .. 184 long tons.  
 1935 .. 1,516 " "  
 1936 .. 980 " "

(a) Information not available.

(b) Exports plus difference between "carry-over" at end and beginning of the year.

EXPORTS OF TIN  
(Domestic Produce)

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates .. ..	—	49	11
Blocks, ingots, bars and slabs ..	16,918	22,996	15,419
Soft solder .. .. .	2,143	1,921	2,024
Tin-foil .. .. .	289	308	328
Nigeria—			
Ore .. .. .	7,528	8,948	12,000
Southern Rhodesia—			
Ore .. .. .	11	21	83
South West Africa—			
Ore .. .. .	196	240	240
Tanganyika Territory—			
Ore and concentrates .. ..	128	178	264
Kenya and Uganda—			
Ore .. .. .	440	550	599
Union of South Africa—			
Ore and concentrates .. ..	755	957	1,034
British India—			
Ore (b) .. .. .	3,466	4,196	3,376
Blocks, ingots, bars and slabs ..	1,347	1,833	4,909
British Malaya (including re- exports)—			
Ingots .. .. .	50,186	62,248	83,492
Hong Kong (including re- exports)—			
Slab and ingot .. .. .	7,250	8,668	8,737
Australia—			
Ore, dross, etc. ( <i>Sn content</i> ) ..	198	289	246
Ingots .. .. .	1,193	997	566
FOREIGN COUNTRIES			
Austria—			
Crude, scrap and alloys .. ..	69	67	174
Belgium-Luxemburg E.U.—			
Ore .. .. .	11	224	1,274
Ingots, pigs, scrap, etc. .. ..	4,269	6,175	6,618
Sheets, wire, etc. .. .. .	119	111	94

(b) Excluding tin-tungsten ore.

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Czechoslovakia—			
Ingots, scrap and alloys .. ..	120	118	92
Denmark—			
Crude and scrap .. .. .	151	150	158
France—			
Ore .. .. .	596	18	8
Pigs, bars, etc. .. .. .	257	221	167
do. (alloys) .. .. .	353	290	229
Scrap .. .. .	432	15	39
Sheets and wire .. .. .	61	60	89
Germany—			
Ingots, scrap and alloys .. ..	2,456	802	691
Sheets and wire .. .. .	24	32	37
Tin-foil .. .. .	89	98	96
Italy—			
Ingots, bars, scrap, sheets, alloys, etc. .. .. .	28	23	17
Netherlands—			
Blocks .. .. .	11,069	17,363	20,201
Sheets, wire, etc. .. .. .	45	154	59
Norway—			
Ingots and bars .. .. .	98	145	59
Portugal—			
Ore .. .. .	693	1,092	1,209
Spain—			
Ore .. .. .	402	462	(a)
Ingots and bars .. .. .	68	202	(a)
Sweden—			
Crude and scrap .. .. .	51	44	41
Switzerland—			
Pigs, bars, slabs, sheets, alloys, etc.	83	151	55
Tin-foil .. .. .	54	67	73
Scrap .. .. .	59	59	70
Algeria—			
Ingots, scrap and alloys .. ..	8	20	(a)
Belgian Congo—			
Ore .. .. .	6,203	6,506	7,170
Ingots .. .. .	—	1,661	1,949
Cameroon (French)—			
Ore .. .. .	216	322	262
Morocco—			
Ore .. .. .	47	47	29
Scrap .. .. .	67	48	17
Mexico—			
Concentrates ( <i>Sn content</i> ) ..	3	114	473

(a) Information not available.

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Argentina—			
Ore .. .. .	48	47	219
Slag and ashes .. .. .	80	183	427
Ingots and bars .. .. .	11	85	350
Bolivia—			
Ores, concentrates, etc. ( <i>Sn content</i> )	22,835	25,002	24,091
China—			
Ingots and slabs .. .. .	6,341	9,035	11,083
Tin-foil .. .. .	36	28	28
French Indo-China—			
Ore .. .. .	2,017	2,514	2,403
Ingots and scrap .. .. .	1,021	1,224	1,549
Japan—			
Ore .. .. .	865	237	769
Tin-foil .. .. .	20	23	21
Netherlands East Indies—			
Ore .. .. .	12,455	16,221	25,015
Ingots .. .. .	10,506	11,221	12,854
Siam (including re-exports)—			
Ore .. .. .	14,506	13,525	17,397



## IMPORTS OF TIN

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates .. ..	38,513	44,137	51,923
Blocks, ingots, bars and slabs .. ..	7,498	8,281	5,214
Soft solder .. .. .	26	23	38
Tin-foil .. .. .	2	—	(b) 1
Irish Free State—			
Ingots, bars, slabs, etc. .. ..	30	32	29
Soft solder .. .. .	154	199	214
Tin-foil .. .. .	15	26	(a)
Kenya and Uganda—			
Ore .. .. .	26	(b) 17	(b) 29
Bars, plates and sheets .. ..	1,401	2,872	1,988
Mauritius—			
Ingots .. .. .	2	6	6
Southern Rhodesia (total imports)—			
Blocks, ingots and bars .. ..	22	36	95
South West Africa—			
Bars, sheets, etc. .. .. .	2	1	2
Union of South Africa—			
Blocks, ingots, bars, plates and sheets .. .. .	504	424	408
Tin-foil .. .. .	15	14	25
Canada—			
Blocks, pigs and bars .. ..	1,786	2,088	2,164
Tin-foil .. .. .	16	20	31
British India—			
Blocks, ingots, bars and slabs .. ..	2,428	2,820	2,495
British Malaya (total imports)—			
Ore .. .. .	21,970	22,032	26,938
Ingots .. .. .	52	41	—
Ceylon—			
Ingots, slabs, etc. .. .. .	45	55	30
Plates and sheets .. .. .	13	28	38
Tin solder .. .. .	29	24	19
Cyprus—			
Ingots and bars .. .. .	8	7	7

(a) Information not available.

(b) Excess of re-exports.

IMPORTS OF TIN (*Cont.*)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE ( <i>Cont.</i> )			
Hong Kong (total imports)—			
Slabs and ingots .. .. .	7,111	8,855	9,032
Australia—			
Ingots .. .. .	—	1	2
New Zealand—			
Ingots, etc. .. .. .	195	227	232
FOREIGN COUNTRIES			
Albania—			
Ingots, bars and sheets ..	11	13	14
Austria—			
Crude, scrap and alloys ..	676	726	699
Belgium-Luxemburg E.U.—			
Ore .. .. .	5,678	6,006	8,630
Ingots, pigs, scrap, etc. ..	2,178	2,249	3,423
Sheets, wire, etc. .. .. .	76	87	91
Bulgaria—			
Crude, bars, sheets, scrap, etc. ..	179	170	266
Czechoslovakia—			
Crude, scrap, and alloys ..	1,222	1,396	1,777
Tin-foil .. .. .	3	4	11
Denmark—			
Crude and scrap .. .. .	572	613	687
Sheets, wire, etc. .. .. .	23	13	8
Tin-foil .. .. .	65	59	64
Estonia—			
Crude and scrap .. .. .	26	39	30
Finland (total imports)—			
Ingots, sheets and scrap ..	233	262	257
Tin solder .. .. .	6	10	12
France—			
Ore .. .. .	490	16	122
Pigs, bars, etc. .. .. .	9,605	8,431	9,841
do. (alloyed with antimony) ..	181	32	35
Scrap .. .. .	183	122	190
Sheets and wire .. .. .	93	63	68
Germany—			
Ore .. .. .	592	1,212	1,539
Crude, scrap and alloys ..	13,258	11,638	9,032
Sheets and wire .. .. .	5	5	7
Tin-foil .. .. .	13	2	1
Greece .. .. .	188	215	216

## IMPORTS OF TIN (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Crude and scrap .. .. .	416	473	643
Foil .. .. .	12	14	4
Italy—			
Ingots, bars, scrap and alloys ..	4,152	6,664	3,658
Tubes, wire and alloys .. ..	12	32	46
Latvia—			
Ingots and scrap .. .. .	88	98	63
Lithuania—			
Sheets and scrap .. .. .	17	17	33
Netherlands—			
Ore .. .. .	17,781	22,374	32,263
Blocks .. .. .	833	653	305
Sheets, wire, etc. .. .. .	82	64	54
Norway—			
Crude .. .. .	371	335	436
Bars, sheets, filings, etc. .. ..	111	90	79
Poland—			
Ingots, bars and sheets .. ..	741	907	1,322
Portugal—			
Sheets, wire, etc. .. .. .	258	258	165
Roumania—			
Ingots, bars and scrap .. ..	352	272	(a)
Sheets, plates, tubes, wire and foil	3	12	(a)
Spain—			
Ingots and bars .. .. .	1,586	1,915	(a)
Sheets, tubes and foil .. ..	16	21	(a)
Sweden—			
Crude .. .. .	1,732	1,912	1,705
Switzerland—			
Pigs, bars and slabs .. .. .	1,010	1,152	1,163
Sheets, wire, foil, etc. .. ..	11	12	14
Scrap .. .. .	7	—	—
U.S.S.R. (Russia)—			
Blocks, pigs and scrap .. ..	5,805	7,311	9,664
Yugoslavia—			
Crude and scrap .. .. .	333	334	392
Bars, sheets, wire, foil, etc. ..	6	7	11
Algeria—			
Crude, sheets and alloys, etc. ..	163	171	212
Belgian Congo .. .. .	10	7	8
Egypt—			
Crude and scrap .. .. .	447	558	487

(a) Information not available.

IMPORTS OF TIN (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Madagascar—			
Bars, sheets, etc. . . . .	54	30	41
Morocco—			
Ingots, sheets and wire . . . .	19	11	29
Mozambique—			
Bars, sheets, etc. . . . .	4	4	20
Tunis—			
Pigs, bars, and sheets . . . .	73	66	103
Cuba (total imports)—			
Ingots . . . . .	50	61	(a)
Bars, sheets, etc. . . . .	94	83	(a)
Mexico—			
Ingots . . . . .	109	55	53
United States—			
Ore ( <i>Sn content</i> ) . . . . .	2	178	179
Blocks, pigs, bars, etc. . . . .	38,770	61,966	75,643
Argentina—			
Ingots and sheets . . . . .	975	795	975
Brazil (total imports)—			
Bars, rods, sheets and plates . .	739	772	849
Colombia—			
Ingots, bars, sheets, etc. . . .	55	33	37
Chile—			
Ingots . . . . .	151	190	145
Bars and sheets . . . . .	2	2	1
Peru—			
Bars, sheets, etc. . . . .	62	55	63
Venezuela—			
Crude . . . . .	6	16	(a)
China—			
Ingots and slabs . . . . .	102	49	64
Tin and lead foils . . . . .	7	19	26
Formosa—			
Ingots, slabs, etc. . . . .	137	98	(a)
French Indo-China—			
Ingots and alloys . . . . .	1,016	1,408	2,213
Sheets . . . . .	75	37	46
Iraq—			
Crude, etc. . . . .	45	59	59
Japan (total imports)—			
Ingots and slabs . . . . .	3,990	4,185	4,544

(a) Information not available.

IMPORTS OF TIN (*Cont.*)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
"Manchoukuo"—			
Ingots and slabs .. .. .	299	235	200
Netherlands East Indies—			
Tin and tin-foil .. .. .	116	125	118
Philippine Islands—			
Ingots .. .. .	102	79	132
Tin-foil .. .. .	13	1	20
Siam (total imports)—			
Crude .. .. .	32	61	40
Syria and Lebanon—			
Ingots and sheets .. .. .	80	85	88
Turkey—			
Ingots, sheets and scrap ..	383	456	433

## TITANIUM MINERALS

### PRODUCTION OF TITANIUM MINERALS

(Long tons)

Producing Country and Description.	1934	1935	1936	1937
<b>BRITISH EMPIRE</b>				
South West Africa—				
Rutile .. .. .	—	—	54	
Canada (shipments)—				
Titaniferous iron ore .. .. .	1,806	2,043	2,291	
Federated Malay States (exports)—				
Ilmenite .. .. .	50	2,500	10,300	
India—				
Ilmenite .. .. .	75,644	127,051	140,477	181,047
Australia—				
Ilmenite .. .. .	(b)—	(b)—	(a)	
<b>FOREIGN COUNTRIES</b>				
Norway—				
Ilmenite .. .. .	25,891	37,384	66,133	
Rutile .. .. .	243	122	195	
Portugal—				
Ilmenite .. .. .	434	260	521	
Cameroon (French)—				
Rutile .. .. .	—	44	54	
Egypt .. .. .	161	180	24	
Senegal—				
Ilmenite .. .. .	500	3,750	3,850	
Argentina—				
Titaniferous iron ore .. .. .	1,000	—	(a)	
Brazil (exports)—				
Ilmenite and rutile .. .. .	114	282	719	

NOTE.—Titanium minerals are also produced in the United States, but figures are not available for publication. In recent years, however, the production of ilmenite has varied between 1,000 and 5,000 tons, and the production of rutile has been several hundred tons.

(a) Information not available.

(b) Zircon-rutile-ilmenite concentrates are produced in New South Wales as follows:—

1934 .. .. . 51 tons

1935 .. .. . 300 "

but the amount of ilmenite or rutile recovered is not recorded.

## EXPORTS OF TITANIUM MINERALS, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description.	1934	1935	1936	1937
BRITISH EMPIRE				
British Malaya—				
Ilmenite .. .. .	50	2,500	10,300	18,914
India (Travancore) (b)—				
Ilmenite .. .. .	60,620	113,468	113,312	
FOREIGN COUNTRIES				
France—				
Titanium oxide .. .. .	222	493	607	
Italy—				
Titanium oxide .. .. .	341	65	39	
Norway—				
Ilmenite .. .. .	21,532	51,811	63,094	
Rutile .. .. .	82	119	118	
Titanium oxide .. .. .	346	427	1,344	
Cameroon (French)—				
Rutile .. .. .	—	42	54	
French West Africa (Senegal)—				
Ilmenite .. .. .	500	1,230	3,177	
Brazil—				
Ilmenite and rutile .. .. .	114	282	719	

(b) Years ended August.

## IMPORTS OF TITANIUM MINERALS, ETC.\*

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom— Titanium and zirconium minerals	281	10,479	16,445
FOREIGN COUNTRIES			
Austria— Titanium oxide .. .. .	207	231	228
France— Titanium oxide .. .. .	915	1,088	1,436
Italy— Ferro-titanium .. .. .	57	36	49
Titanium oxide .. .. .	3	1	—
U.S.S.R. (Russia)— Ferro-titanium .. .. .	54	158	214
United States— Ilmenite .. .. .	71,710	119,922	127,446
Rutile .. .. .	138	189	455
Ferro-titanium .. .. .	1	2	1
Titanium compounds .. .. .	72	258	57
Japan— Titanium oxide .. .. .	255	628	1,012

\* Imports of ilmenite are generally not separately recorded in Customs Returns.



## TUNGSTEN

 PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES  
 (Long tons)

Producing Country.	1934	1935	1936	Estimated WO <sub>3</sub> Content.		
				1934	1935	1936
BRITISH EMPIRE						
United Kingdom—						
Concentrates ..	190	219	189	131	151	130
Nigeria—						
Concentrates ..	5	15	6	3	9	4
South West Africa—						
Wolfram ..	17	42	38	10	25	27
Scheelite ..	—	2	2	—	1	1
Southern Rhodesia—						
Concentrates ..	106	24	94	69	16	61
Tanganyika Territory—						
Wolfram ..	—	5	2	—	3	1
Union of South Africa—						
Tungsten ore ..	—	9	29	—	6	18
India—						
Concentrates ..	3,329	3,837	4,552	2,164	2,494	2,959
Federated Malay States—						
Wolfram ..	29	8	3	19	5	2
Scheelite ..	1,508	1,365	1,364	1,085	983	982
Unfederated Malay States—						
Wolfram ..	78	274	282	51	178	183
Australia—						
Wolfram ..	319	441	332	207	287	216
Scheelite ..	7	4	12	4	2	8
New Zealand—						
Concentrates ..	39	39	28	25	25	18
FOREIGN COUNTRIES						
Portugal—						
Concentrates ..	579	1,048	1,282	360	666	812
Tin-tungsten ores	100	73	109	30	20	36
Spain—						
Concentrates ..	44	(a)	(a)	29	(a)	(a)
Sweden—						
Tungsten ore ..	—	—	66	—	—	36
Mexico ..	73	49	51	47	32	33
United States—						
Concentrates ..	1,829	2,138	2,332	1,097	1,283	1,399

(a) Information not available.

## PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES (Cont.)

Producing Country.	1934	1935	1936	Estimated WO <sub>3</sub> Content.		
				1934	1935	1936
FOREIGN COUNTRIES (Cont.)						
Argentina— Concentrates ..	360	531	(a)	234	345	(a)
Bolivia (exports)— Concentrates ..	782	1,344	1,685	469	840	1,296
Chile— Concentrates ..	—	6	(a)	—	4	(a)
Peru— Concentrates ..	11	53	(a)	7	34	(a)
China— Ore .. ..	6,205	(b)7,267	(b)6,939	3,723	(b)4,360	(b)4,163
French Indo-China— Concentrates ..	272	377	420	179	246	297
Japan— Scheelite ..	64	88	(a)	42	57	(a)
Korea— Ore .. ..	363	862	(a)	236	560	(a)
Netherlands East Indies— Concentrates ..	2	2	1	2	1	1
Siam— Concentrates ..	33	75	(a)	21	49	(a)

Tungsten ores are also produced in U.S.S.R. (Russia).

(a) Information not available.

(b) Exports.

EXPORTS OF TUNGSTEN, ETC.  
(Domestic Produce)  
(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore .. .. .	58	128	244
Ferro-tungsten .. .. .	363	1,287	960
Tungsten powder, wire, etc. ..	117	51	89
Nigeria—			
Tungsten ore .. .. .	5	5	10
South West Africa—			
Tungsten ore .. .. .	16	45	40
British India—			
Tungsten and tin-tungsten ores ..	5,244	7,480	8,427
British Malaya (including re- exports)—			
Wolfram .. .. .	131	286	295
Scheelite .. .. .	1,509	1,371	1,365
Hong Kong (including re- exports)—			
Tungsten ore .. .. .	1,954	2,404	5,279
Australia—			
Wolfram .. .. .	268	373	298
New Zealand—			
Scheelite .. .. .	33	52	41
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Tungsten ore .. .. .	(a)	(a)	1,962
Czechoslovakia—			
Tungsten ore .. .. .	5	1	—
Finland—			
Ferro-tungsten .. .. .	(a)	417	194
Italy—			
Ferro-tungsten .. .. .	69	—	—
Portugal—			
Tungsten ore .. .. .	607	1,039	1,301
Spain—			
Wolfram and wulfenite .. .. .	69	244	(a)
Sweden—			
Ferro-tungsten .. .. .	167	797	1,320
Mexico—			
Tungsten ore ( $WO_3$ content) ..	73	47	51
United States—			
Tungsten and ferro-tungsten ..	314	445	93
Argentina—			
Tungsten ore .. .. .	325	530	629
Bolivia—			
Tungsten ore ( $WO_3$ content) ..	469	840	1,296
Peru—			
Tungsten ore ( $WO_3$ content) ..	9	42	69

(a) Information not available.

## EXPORTS OF TUNGSTEN, ETC. (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
China—			
Tungsten ore .. .. .	4,632	7,267	6,939
French Indo-China—			
Tungsten ore .. .. .	257	364	482
Korea—			
Tungsten ore .. .. .	752	826	870
Siam (including re-exports)—			
Tungsten ore .. .. .	31	84	74

IMPORTS OF TUNGSTEN, ETC.  
(Less Re-exports)  
(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore .. .. .	5,194	7,865	8,813
Tungsten powder, wire, etc. .. .. .	3	3	2
Hong Kong (total imports)—			
Tungsten ore .. .. .	699	2,293	1,676
British Malaya (total imports)—			
Wolfram .. .. .	17	10	2
FOREIGN COUNTRIES			
Austria—			
Ferro-tungsten .. .. .	363	228	418
Belgium-Luxemburg E.U.—			
Tungsten ore .. .. .	(a)	(a)	1,915
Finland (total imports)—			
Tungsten ore .. .. .	(a)	661	176
Germany—			
Tungsten ore .. .. .	4,316	7,757	8,588
Italy—			
Ferro-tungsten .. .. .	8	7	6
Norway—			
Ferro-tungsten, etc. .. .. .	60	19	29
Sweden—			
Ferro-tungsten .. .. .	—	65	37
U.S.S.R. (Russia)—			
Tungsten ore .. .. .	826	1,039	1,499
Ferro-tungsten .. .. .	1,682	1,878	848
United States (total imports)—			
Tungsten ore ( $WO_3$ content) .. .. .	680	916	2,345
Tungsten and tungsten alloys ( $WO_3$ content) .. .. .	61	45	102

(a) Information not available.

## URANIUM MINERALS

### PRODUCTION OF URANIUM MINERALS

(Cwt.)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Canada .. .. .	(b)	(b)	(b)
FOREIGN COUNTRIES			
Czechoslovakia ( $U_3O_8$ ) .. ..	236	311	316
Portugal ( $U_3O_8$ ) .. .. .	158	23	211
Belgian Congo .. .. .	209	250	(a)
United States ( $U_3O_8$ ) .. ..	70	232	189

Uranium minerals are also produced in Russia.

(a) Information not available.

(b) During 1934 3,000 mgrms. of radium of 98 per cent. average concentration and 27,000 lb. of uranium salts were produced.

### EXPORTS OF URANIUM MINERALS, ETC.

(Domestic Produce)

Exporting Country and Description,	Unit	1934	1935	1936
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.— Uranium oxide .. .. .	Cwt.	1,008	1,898	2,951
Belgian Congo— Uranium minerals .. .. .	Cwt.	4,180	4,990	—

## IMPORTS OF URANIUM MINERALS, ETC.

*(Less Re-exports)*

Importing Country and Description.	Unit	1934	1935	1936
BRITISH EMPIRE				
United Kingdom—				
Uranium minerals ..	Cwt.	(b) 15	(9 lb.)	(b) 1
Radium compounds ..	Grains	46	188	69
Canada—				
Radium .. .. .	£	42,262	30,600	21,925
New Zealand—				
Radium .. .. .	£ N.Z.	—	111	—
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Uranium oxide .. ..	Cwt.	4	2	4
France—				
Uranium oxide .. ..	Cwt.	71	41	49
Other uranium salts ..	do.	6	12	8
Radium and radium products .. .. .	Lb.	452	205	57
Norway—				
Radium .. .. .	£	14,995	—	5,325
Egypt—				
Radium .. .. .	£	—	9,257	6,984
United States—				
Uranium ore .. .. .	Cwt.	71	24	—
Uranium oxide and salts ..	do.	1,420	2,646	3,045
Radium salts .. .. .	£	214,400	107,200	140,900
Turkey—				
Uranium ore .. .. .	Cwt.	—	1,025	—

*(b) Excess of re-exports.*

## VANADIUM

### PRODUCTION OF VANADIUM ORES (Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Northern Rhodesia ( <i>V content</i> ) ..	3	170	201
South West Africa .. .. .	324	1,570	4,864
FOREIGN COUNTRIES			
United States ( <i>V content</i> ) .. ..	(a)	(a)	62
Peru ( <i>V content</i> ) .. .. .	—	—	(b) 283

(a) Information not available.

(b) Exports; part may be exported from stocks.

### EXPORTS OF VANADIUM (Domestic Produce) (Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
Northern Rhodesia—			
Concentrates .. .. .	599	997	1,399
Oxide .. .. .	40	116	192
South West Africa—			
Concentrates .. .. .	1,648	3,489	5,262
FOREIGN COUNTRIES			
France—			
Oxide .. .. .	—	8	2
Peru—			
Concentrates .. .. .	(b) 1,471	(b) 654	1,624

(b) Exported from stocks.

## IMPORTS OF VANADIUM

*(Less Re-exports)*

(Long tons)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES			
France—			
Oxide .. .. .	1	15	6
Italy—			
Ferro-vanadium .. .. .	47	24	17
Norway—			
Ferro-vanadium, etc. .. .. .	60	19	29
U.S.S.R. (Russia)—			
Ferro-vanadium .. .. .	128	290	128
United States—			
Ore .. .. .	1,566	425	1,667
Turkey—			
Vanadium .. .. .	—	1	—
Oxide .. .. .	19	—	—

Imports of vanadium ore, etc., into the United Kingdom are not separately recorded.



## ZINC

## PRODUCTION OF ZINC ORE

(In terms of metal)

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom .. .. .	445	1,164	4,249
Northern Rhodesia .. .. .	(d) 19,540	26,902	26,155
Canada (shipments) (b) .. .. .	141,396	147,772	159,640
Newfoundland .. .. .	86,758	71,151	63,354
India .. .. .	54,800	58,200	61,300
Australia .. .. .	136,760	148,492	172,414
Total .. .. .	440,000	454,000	487,000
FOREIGN COUNTRIES			
Austria .. .. .	2,541	2,591	3,197
Bulgaria .. .. .	251	280	—
Belgium (c) .. .. .	1,000	500	500
Czechoslovakia .. .. .	965	1,549	1,342
Finland .. .. .	1,000	1,008	1,081
Germany .. .. .	129,650	138,696	145,000
Greece .. .. .	5,821	982	(a)
Italy .. .. .	45,373	53,000	62,000
Norway .. .. .	5,551	6,597	7,583
Poland .. .. .	40,000	53,000	58,000
Portugal .. .. .	18	—	4
Roumania .. .. .	3,667	4,050	4,800
Spain .. .. .	31,000	33,000	30,000
Sweden .. .. .	28,664	31,184	33,747
U.S.S.R. (Russia) (smelter) .. .. .	26,722	45,000	65,000

(a) Information not available.

(b) The amount estimated as recoverable was—

1934 .. 133,295 long tons.

1935 .. 143,147 „

1936 .. 148,742 „

(c) *Metallgesellschaft* estimate.

(d) Smelter production.

PRODUCTION OF ZINC ORE (*Cont.*)

Producing Country.	1934	1935	1936
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Yugoslavia .. .. .	52,967	52,000	59,300
Algeria .. .. .	2,336	3,174	2,827
Belgian Congo .. .. .	—	—	376
French Morocco .. .. .	—	—	422
Tunis .. .. .	—	200	1,000
Mexico .. .. .	123,209	133,775	147,878
United States .. .. .	391,720	462,413	516,204
Bolivia (exports) .. .. .	9,338	7,663	13,403
Peru .. .. .	7,823	10,918	(a)
China .. .. .	5,100	(a)	(a)
French Indo-China .. .. .	4,881	4,966	5,139
Japan (b) .. .. .	20,000	20,000	18,000
Korea ( <i>ore</i> ) .. .. .	2,883	2,218	(a)
Turkey .. .. .	7,100	7,200	10,200
Total .. .. .	950,000	1,080,000	1,210,000
WORLD'S TOTAL .. .. .	1,390,000	1,530,000	1,700,000

(a) Information not available.

(b) *Metallgesellschaft* estimate.

**METAL PRODUCTION OF ZINC**  
(Long tons)

Producing Country.	1934	1935	1936
<b>BRITISH EMPIRE</b>			
United Kingdom (b) .. ..	54,000	63,000	65,000
Northern Rhodesia .. ..	19,540	20,680	20,730
Canada .. ..	120,462	133,503	134,913
Australia .. ..	54,629	67,666	70,509
Total ..	249,000	285,000	291,000
<b>FOREIGN COUNTRIES</b>			
Belgium .. ..	172,138	178,870	194,563
Czechoslovakia .. ..	7,513	9,511	7,598
France .. ..	46,502	46,694	53,000
Germany .. ..	70,072	121,252	134,000
Italy .. ..	24,471	27,143	27,041
Netherlands .. ..	19,597	13,530	15,184
Norway .. ..	44,316	44,308	44,317
Poland .. ..	91,453	83,270	91,118
Spain .. ..	8,052	8,775	7,700
U.S.S.R. (Russia) .. ..	26,722	45,000	65,000
Yugoslavia .. ..	(d)4,299	(d)3,302	3,542
Mexico .. ..	28,568	31,632	31,702
United States (c) .. ..	324,634	375,566	439,404
China .. ..	134	(a)	(a)
French Indo-China .. ..	4,174	3,842	4,047
Japan .. ..	31,638	33,651	35,630
Total ..	900,000	1,030,000	1,150,000
WORLD'S TOTAL ..	1,150,000	1,310,000	1,440,000

(a) Information not available.

(b) Includes some secondary.

(c) The production by grades (including redistilled secondary) was as follows (long tons) :—

	1934	1935	1936
A—High grade .. ..	104,214	138,854	164,144
B—Intermediate grade..	29,126	43,855	53,463
C & D—Select and brass special .. ..	38,979	44,562	58,686
E—Prime western ..	169,896	173,876	200,797

(d) Including zinc dust.

PRODUCTION OF ELECTROLYTIC ZINC  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Northern Rhodesia .. .. .	19,540	20,680	20,730
Canada .. .. .	120,462	133,503	134,913
Australia (Tasmania) .. .. .	54,629	67,666	76,509
FOREIGN COUNTRIES			
Belgium .. .. .	—	1,845	6,265
France.. .. .	21,000	22,000	22,000
Germany .. .. .	5,091	37,705	37,712
Italy .. .. .	17,000	17,600	(a)
Norway .. .. .	44,316	44,308	44,317
Poland .. .. .	19,000	20,000	18,000
U.S.S.R. (Russia) .. .. .	5,339	(a)	(a)
United States.. .. .	68,444	105,782	113,549
Japan (estimated) .. .. .	6,000	8,000	12,000

(a) Information not available.

PRODUCTION OF ZINC DUST  
(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE			
Canada (estimated) .. .. .	100	100	100
FOREIGN COUNTRIES			
Belgium .. .. .	6,181	7,628	6,600
Germany .. .. .	6,890	6,693	7,479
Poland .. .. .	5,392	4,795	(a)
Yugoslavia .. .. .	(a)	(a)	594
United States .. .. .	9,693	11,119	12,879
Japan .. .. .	2,384	2,400	(a)

(a) Information not available.

## PRODUCTION OF ZINC SHEETS

(Long tons)

Producing Country.	1934	1935	1936
BRITISH EMPIRE.			
United Kingdom .. .. .	14,100	15,200	23,000
FOREIGN COUNTRIES.			
Austria .. .. .	1,620	2,087	2,018
Belgium .. .. .	78,412	74,298	71,500
Czechoslovakia .. .. .	2,555	3,465	3,919
France .. .. .	42,000	47,000	52,000
Germany .. .. .	74,456	65,975	71,762
Hungary .. .. .	1,266	1,792	1,936
Poland .. .. .	12,421	14,170	17,501
Spain .. .. .	2,874	3,527	2,400
Yugoslavia .. .. .	579	600	750
United States .. .. .	36,532	50,483	49,057

## EXPORTS OF ZINC

(Domestic Produce)

(Long tons)

Exporting Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	3,973	3,228	9,960
Spelter .. .. .	5,813	6,530	3,177
Sheets, plates, etc. .. .. .	723	1,609	2,724
Oxide .. .. .	12,373	13,374	13,655
Lithopone .. .. .	5,105	6,590	6,569
Northern Rhodesia—			
Ingots .. .. .	19,714	17,596	19,919
Southern Rhodesia—			
Bars, sheets, wire, etc. .. .. .	3	6	12
Union of South Africa—			
Bars, sheets, etc. .. .. .	—	39	—
Canada—			
Ore ( <i>Zn content</i> ) .. .. .	17,430	8,750	17,470
Spelter .. .. .	106,203	120,946	125,189
Dross, scrap and ashes .. .. .	1,915	2,798	2,235
Newfoundland (years ended June 30)—			
Concentrates .. .. .	148,014	140,864	152,186
British India—			
Spelter, etc. .. .. .	77,514	76,599	88,845
British Malaya (including re- exports)—			
Sheets .. .. .	114	131	240
Hong Kong (including re-exports)—			
Sheets .. .. .	1,880	2,248	2,201
Australia—			
Ores and concentrates ( <i>Zn content</i> )	31,119	70,329	86,157
Dust ( <i>£ Australian</i> ) .. .. .	(£213)	(£108)	—
Bars, rods, sheets, etc. .. .. .	31,826	37,797	44,557
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	5,033	5,087	5,933
Spelter, scrap and alloys .. .. .	745	761	804
Sheets, bars, etc. .. .. .	98	137	107
Zinc-white and zinc-grey .. .. .	1	122	22
Lithopone, etc. .. .. .	13	43	67

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Ore .. .. .	35,374	35,658	57,290
Spelter and scrap .. .. .	79,513	97,353	94,799
Sheets and wire .. .. .	55,917	48,213	44,755
Dust .. .. .	5,115	6,018	5,795
Oxide .. .. .	6,679	5,956	5,032
Lithopone .. .. .	12,954	12,809	15,874
Czechoslovakia—			
Ore .. .. .	—	10,460	841
Spelter, scrap and alloys .. .. .	956	1,218	805
Sheets and plates .. .. .	542	379	264
Zinc-white and zinc-grey .. .. .	280	405	347
Lithopone .. .. .	1,015	281	605
Denmark—			
Spelter, sheets and scrap .. .. .	295	314	449
Estonia—			
Spelter, dust and scrap .. .. .	18	52	35
France—			
Ore .. .. .	31,626	30,654	25,761
Spelter, bars and scrap .. .. .	1,353	1,250	106
Sheets .. .. .	2,559	1,488	1,293
Oxide .. .. .	2,105	2,174	2,678
Lithopone, etc. .. .. .	288	427	399
Germany—			
Ore .. .. .	79,910	27,339	18,456
Spelter, dust, scrap and alloys .. .. .	10,844	1,479	240
Sheets and wire .. .. .	3,829	6,058	7,948
Zinc-white and zinc-grey .. .. .	16,347	17,486	13,576
Lithopone .. .. .	13,946	15,363	18,001
Hungary—			
Spelter and scrap .. .. .	—	10	—
Sheets .. .. .	136	116	124
Italy—			
Ore .. .. .	35,375	49,517	51,838
Ashes .. .. .	47	68	—
Spelter, scrap and alloys .. .. .	297	1	4
Sheets, wire and alloys, etc. .. .. .	16	10	62
Oxide .. .. .	35	355	37
Lithopone .. .. .	668	308	255
Latvia—			
Spelter and scrap .. .. .	—	42	63
Zinc-white .. .. .	129	12	9
Lithuania—			
Spelter .. .. .	103	25	49

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore .. .. .	1,475	3,807	7,191
Spelter and scrap .. .. .	17,960	16,464	15,935
Sheets .. .. .	3,468	2,079	2,131
Oxide .. .. .	5	55	47
Norway—			
Ore .. .. .	16,727	10,831	16,980
Spelter .. .. .	41,615	41,482	42,539
Bars, sheets, wire, etc. .. .. .	27	37	—
Ashes and scrap .. .. .	1,799	1,012	488
Poland—			
Ores and slag .. .. .	21	—	2
Spelter, dust and scrap .. .. .	65,521	58,426	64,259
Sheets, tubes and wire .. .. .	4,907	6,354	7,690
Zinc-white and lithopone .. .. .	4,530	5,806	6,363
Roumania—			
Ore .. .. .	7,777	5,145	(a)
Spain—			
Blende .. .. .	55,455	58,186	(a)
Spelter and scrap .. .. .	981	2,668	(a)
Plates, nails and wire .. .. .	92	102	(a)
Sweden—			
Ore .. .. .	57,655	58,992	66,903
Spelter and scrap .. .. .	1,542	1,681	1,874
Zinc-white .. .. .	8	6	11
Switzerland—			
Spelter and scrap .. .. .	3,031	2,854	2,731
Zinc-white, etc. .. .. .	12	2	1
U.S.S.R. (Russia)—			
Calamine .. .. .	11,542	—	—
Lithopone .. .. .	55	44	—
Yugoslavia—			
Ore .. .. .	93,091	88,655	76,728
Spelter, scrap and dust .. .. .	1,743	1,520	672
Plates and sheets .. .. .	23	—	8
Zinc-white .. .. .	18	1	60
Algeria—			
Ore .. .. .	2,214	3,592	8,656
Spelter, plates and scrap .. .. .	369	375	256
Oxide .. .. .	19	4	—
Belgian Congo—			
Ore .. .. .	—	—	1,826

(a) Information not available.



## EXPORTS OF ZINC (Cont.)

Exporting Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Egypt—			
Spelter and scrap .. .. .	—	89	36
Morocco—			
Ore .. .. .	—	—	761
Scrap .. .. .	93	26	77
Tunis (including re-exports)—			
Ore .. .. .	837	—	2,264
Mexico—			
Ores and concentrates ( <i>Zn content</i> )	94,083	98,763	110,842
Spelter .. .. .	39,002	23,157	25,928
United States—			
Ore and dross ( <i>Zn content</i> ) ..	3,233	411	219
Spelter .. .. .	4,558	1,444	33
Dust .. .. .	1,330	1,441	1,601
Sheets, strips, etc. .. .. .	3,091	4,297	4,003
Oxide .. .. .	1,031	1,018	1,188
Lithopone .. .. .	2,144	2,117	2,266
Argentina—			
Ore .. .. .	—	—	5,158
Slag and ash .. .. .	628	1,484	1,962
Spelter, bars and sheets .. ..	94	37	3
Bolivia—			
Ores ( <i>Zn content</i> ) .. .. .	9,338	7,663	13,340
Peru—			
Ores, etc. ( <i>Zn content</i> ) .. ..	—	5,180	25,632
China—			
Ore .. .. .	1,845	22,392	10,405
French Indo-China—			
Ore .. .. .	1,478	—	1,499
Spelter and scrap .. .. .	3,775	4,560	6,021
Sheets .. .. .	3	3	6
Japan—			
Oxide .. .. .	(a)	2,373	1,425
Korea—			
Ore .. .. .	2,053	2,088	6,465
Turkey—			
Ore .. .. .	11,904	12,068	16,856
Spelter, scrap and alloys .. ..	166	335	479

(a) Information not available.

## IMPORTS OF ZINC

(Less Re-exports)

(Long tons)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE			
United Kingdom—			
Ore and ashes .. .. .	90,469	152,031	129,442
Spelter .. .. .	127,604	140,769	170,545
Sheets, plates, etc. .. .. .	17,809	12,039	9,449
Oxide .. .. .	624	807	764
Lithopone .. .. .	12,635	10,366	14,701
Irish Free State—			
Sheets and plates .. .. .	546	329	604
Kenya and Uganda—			
Bars, plates and sheets .. .. .	3	4	10
Southern Rhodesia—			
Sheets, dust, etc. .. .. .	579	600	684
South West Africa—			
Spelter .. .. .	3	5	3
Union of South Africa—			
Spelter, dust and shavings .. .. .	594	917	703
Sheets, bars, rods, etc. .. .. .	1,704	3,446	4,967
Canada—			
Spelter .. .. .	2	51	—
Dust .. .. .	476	736	723
Sheets, plates, bars etc. .. .. .	1,778	2,499	2,567
Zinc-white .. .. .	5,247	5,254	5,911
Lithopone .. .. .	6,487	7,760	8,419
British India—			
Spelter .. .. .	16,361	22,742	21,282
Sheets, etc. .. .. .	1,600	1,679	1,491
Zinc-white .. .. .	2,255	2,190	1,575
Lithopone .. .. .	639	1,310	1,346
British Malaya (total imports)—			
Sheets .. .. .	370	280	441
Ceylon—			
Sheets and plates .. .. .	59	47	43

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1934	1935	1936
BRITISH EMPIRE (Cont.)			
Hong Kong (total imports)—			
Sheets .. .. .	1,574	1,253	1,449
Palestine—			
Spelter and sheets .. .. .	456	552	378
Australia—			
Dust .. .. .	(£231)	(£321)	(£827)
Blocks, sheets, scrap, etc. .. .. .	1,143	1,218	992
Oxides .. .. .	122	128	337
Lithopone .. .. .	1,851	1,696	1,933
New Zealand—			
Spelter, bars and sheets .. .. .	202	325	331
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	—	340	—
Spelter, scrap and alloys .. .. .	5,127	6,944	6,403
Sheets, bars, etc. .. .. .	68	213	35
Zinc-white and zinc-grey .. .. .	296	397	300
Lithopone, etc. .. .. .	2,337	959	981
Belgium-Luxemburg E.U.—			
Ore .. .. .	428,366	414,147	566,823
Spelter and scrap .. .. .	17,124	10,915	12,272
Sheets and wire .. .. .	407	62	28
Dust .. .. .	13	87	63
Oxide .. .. .	1,492	1,600	904
Lithopone .. .. .	551	253	396
Bulgaria—			
Spelter, bars, sheets and scrap .. .. .	950	989	1,035
Zinc-white .. .. .	82	117	51
Lithopone .. .. .	194	155	134
Czechoslovakia—			
Ore .. .. .	19,505	13,073	13,016
Spelter, scrap and alloys .. .. .	10,805	10,220	11,534
Sheets and plates .. .. .	248	110	226
Zinc-white, zinc-grey, etc. .. .. .	38	91	130
Denmark—			
Spelter and scrap .. .. .	3,829	5,502	5,107
Plates and sheets .. .. .	3,999	4,035	4,565
Zinc-white .. .. .	2,171	1,958	1,776
Lithopone .. .. .	1,616	1,792	1,836

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Estonia—			
Spelter, plates, dust and scrap ..	97	126	123
Zinc-white .. .. .	231	264	310
Lithopone .. .. .	41	35	79
Finland (total imports)—			
Spelter, sheets and scrap ..	953	1,204	1,797
Zinc-white .. .. .	1,352	1,641	1,535
Lithopone, etc. .. .. .	304	422	443
France—			
Ore .. .. .	163,855	122,581	192,841
Spelter, bars and scrap .. ..	46,948	41,731	35,944
Sheets .. .. .	3,051	2,002	1,831
Oxide .. .. .	452	424	368
Lithopone .. .. .	122	72	73
Germany—			
Ores .. .. .	125,299	115,388	118,736
Spelter, dust, scrap and alloys ..	105,742	74,833	71,670
Sheets and wire .. .. .	7,923	7,159	5,049
Zinc-white and zinc-grey .. ..	476	103	248
Lithopone .. .. .	4,417	1,939	3,004
Greece—			
Spelter, etc. .. .. .	606	688	984
Hungary—			
Spelter and scrap .. .. .	4,264	4,943	5,045
Sheets .. .. .	9	8	7
Zinc-white and zinc-grey .. ..	5	1	2
Lithopone .. .. .	69	54	70
Iceland—			
Zinc-white .. .. .	48	(a)	(a)
Italy—			
Ore and ashes .. .. .	6,244	966	503
Spelter, scrap and alloyed .. ..	5,331	11,018	3,272
Sheets, wire, etc., and alloyed ..	909	804	204
Oxide .. .. .	880	1,280	473
Lithopone .. .. .	1,449	1,145	118
Latvia—			
Spelter, sheets and scrap .. ..	724	548	647
Zinc-white .. .. .	—	1	—
Lithopone .. .. .	31	33	16
Lithuania—			
Spelter, sheets, scrap, etc. .. ..	438	446	892
Zinc-white .. .. .	174	200	274
Lithopone .. .. .	131	72	85

(a) Information not available.

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore .. .. .	43,590	35,039	42,783
Spelter and scrap .. .. .	6,574	9,804	9,668
Sheets .. .. .	4,751	4,965	4,486
Zinc-white .. .. .	3,774	2,844	2,185
Lithopone .. .. .	1,600	1,996	1,151
Oxide .. .. .	8,571	7,919	1,492
Norway—			
Ore .. .. .	78,472	88,266	91,133
Ashes and scrap .. .. .	148	94	69
Spelter .. .. .	807	686	821
Bars and sheets .. .. .	1,649	1,885	1,948
Zinc-white .. .. .	1,427	1,229	1,478
Lithopone .. .. .	183	141	206
Poland—			
Ores and slag .. .. .	99,255	63,015	71,810
Spelter, dust and scrap .. .. .	90	156	64
Sheets, etc. .. .. .	32	25	22
Zinc-white and lithopone .. .. .	227	150	95
Portugal—			
Sheets, etc. .. .. .	632	502	647
Oxide .. .. .	337	385	441
Lithopone .. .. .	661	612	890
Roumania—			
Spelter and scrap .. .. .	6,433	4,087	(a)
Sheets, plates and wire .. .. .	867	814	(a)
Zinc-white and zinc-grey .. .. .	190	143	(a)
Lithopone .. .. .	492	523	(a)
Spain—			
Spelter and scrap .. .. .	1,679	2,494	(a)
Plates, nails and wire .. .. .	63	144	(a)
Sweden—			
Ore .. .. .	—	300	—
Spelter and scrap .. .. .	12,619	13,095	13,041
Sheets .. .. .	2,162	2,207	2,070
Zinc-white .. .. .	5,917	7,089	6,834
Lithopone .. .. .	2,389	3,029	3,657
Switzerland—			
Spelter and scrap .. .. .	7,534	7,205	5,219
Dust .. .. .	(a)	612	359
Bars, sheets, pipes and wire .. .. .	1,281	1,192	1,134
Zinc-white, lithopone, etc. .. .. .	4,438	4,709	4,582

(a) Information not available.

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
U.S.S.R. (Russia)—			
Spelter, etc. .. .. .	4,249	1,451	85
Yugoslavia—			
Ore .. .. .	2,912	1,172	676
Spelter and scrap .. .. .	83	191	165
Bars, sheets, wire, etc. .. .. .	24	6	45
Zinc-white, lithopone, etc. .. .. .	175	119	127
Algeria—			
Spelter, sheets and scrap .. .. .	1,200	680	731
Oxide .. .. .	437	468	777
Lithopone .. .. .	134	—	215
Belgian Congo—			
Spelter, etc. .. .. .	1	2	2
Canary Islands (total imports)—			
Sheets, wire and nails .. .. .	31	(a)	(a)
Egypt—			
Spelter, sheets and scrap .. .. .	634	718	1,002
Zinc-white .. .. .	1,518	1,355	539
Madagascar—			
Spelter, bars and sheets .. .. .	84	77	74
Morocco—			
Spelter, sheets and wire .. .. .	181	170	189
Oxide .. .. .	14	30	23
Lithopone .. .. .	293	392	465
Mozambique—			
Spelter, bars and sheets .. .. .	140	62	101
Tunis—			
Sheets .. .. .	244	190	266
Oxide .. .. .	157	63	179
Cuba (total imports)—			
Sheets .. .. .	67	57	(a)
Mexico—			
Spelter, sheets and scrap .. .. .	813	1,197	997
United States—			
Ore ( <i>Zn content</i> ) .. .. .	9,748	10,054	1,762
Spelter and scrap .. .. .	1,541	3,994	10,425
Sheets .. .. .	49	100	216
Dust .. .. .	16	36	51
Oxide .. .. .	1,131	1,778	705
Lithopone .. .. .	3,506	4,110	4,269
Argentina—			
Spelter and bars .. .. .	3,609	5,836	5,354
Sheets and plates .. .. .	2,395	2,735	2,630
Zinc-white .. .. .	1,840	2,382	2,005
Lithopone .. .. .	1,701	1,970	1,944

(a) Information not available.

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1934	1935	1936
FOREIGN COUNTRIES (Cont.)			
Brazil (total imports)—			
Bars, sheets and plates .. ..	1,338	1,455	1,754
Zinc-white .. .. .	4,108	4,060	3,946
Chile—			
Spelter .. .. .	205	584	831
Sheets, etc. . . . .	199	184	369
Zinc-white, etc. . . . .	386	717	971
Colombia—			
Spelter, sheets, alloys, etc. . . .	140	162	109
Zinc-white .. .. .	318	(a)	498
Peru—			
Spelter, bars, sheets, etc. . . .	106	90	132
Uruguay—			
Sheets .. .. .	113	92	149
Venezuela—			
Spelter .. .. .	47	340	(a)
Oxide .. .. .	151	171	(a)
China—			
Spelter and dust .. .. .	1,028	2,007	3,710
Sheets and plates .. .. .	2,197	2,528	3,486
Zinc-white .. .. .	1,486	1,301	1,589
French Indo-China—			
Spelter .. .. .	11	11	72
Sheets .. .. .	1,105	1,455	1,218
Oxide .. .. .	92	145	215
Lithopone .. .. .	77	41	49
Iraq—			
Spelter, sheets, etc. . . . .	22	10	15
Japan (total imports)—			
Ore .. .. .	12,872	40,642	47,340
Spelter .. .. .	26,159	32,246	41,367
Sheets and plates .. .. .	3,592	4,992	4,457
“Manchoukuo”—			
Zinc-white .. .. .	201	608	601
Netherlands East Indies—			
Spelter and alloys .. .. .	533	564	683
Zinc-white .. .. .	893	1,503	1,582
Philippine Islands—			
Spelter, bars and sheets .. .. .	167	151	157
Oxide .. .. .	613	546	850
Siam (total imports)—			
Spelter .. .. .	455	319	689
Syria and Lebanon—			
Spelter .. .. .	—	10	7
Sheets .. .. .	219	134	223
Turkey—			
Spelter, scrap and alloyed .. ..	321	1,320	512
Bars, tubes, wire and alloyed ..	1,352	1,486	1,663

(a) Information not available.

**MISCELLANEOUS MINERALS.**

These minerals are not separately recorded in the statistical returns of several countries.

Country and Description.	Unit	1934	1935	1936
TANTALITE AND COLUMBITE.				
PRODUCTION—				
Nigeria—				
Columbite .. .. .	Lb.	32,771	150,000	759,000
South West Africa—				
Tantalite .. .. .	do.	670	13,660	6,720
Uganda—				
Tantalite .. .. .	do.	—	—	54,000
Union of South Africa—				
Tantalite and columbite ..	do.	—	15,026	13,612
India—				
Tantalite .. .. .	do.	—	—	2,016
Australia—				
Tantalite .. .. .	do.	20,200	17,900	31,400
Belgian Congo—				
Tantalite and columbite ..	do.	—	—	72,700
United States—				
Columbite and tantalite ..	do.	2,675	11,861	(a)
IMPORTS—				
United States .. .. .	do.	1,706,192	1,190,398	1,016,758
EXPORTS—				
Australia—				
Tantalite .. .. .	do.	20,200	17,900	31,400
South West Africa—				
Tantalite .. .. .	do.	670	13,660	6,720
Nigeria—				
Columbite .. .. .	do.	309,000	903,000	1,019,200
Uganda—				
Tantalite .. .. .	do.	—	—	41,500
SELENIUM.				
PRODUCTION—				
Canada .. .. .	Lb.	104,924	366,425	350,857
United States .. .. .	do.	319,838	232,831	(a)
IMPORTS—				
United States .. .. .	do.	17,719	179,331	122,806
TELLURIUM.				
PRODUCTION—				
Canada .. .. .	Lb.	5,130	16,425	35,591
United States .. .. .	do.	21,027	22,610	25,453

(a) Information not available.



## MISCELLANEOUS MINERALS (Cont.)

Country and Description.	Unit	1934	1935	1936
ZIRCONIUM MINERALS.				
PRODUCTION—				
India .. .. .	Ton	380	6,654	2,210
Australia—				
Zirconium ore .. .. .	do.	—	1,823	(a)
Zircon-rutile-ilmenite ore .. .. .	do.	51	300	(a)
French West Africa .. .. .	do.	—	2	—
Madagascar .. .. .	do.	18	13	18
Brazil (exports) .. .. .	do.	858	1,752	2,237
IMPORTS—				
United States .. .. .	do.	762	2,570	5,163
EXPORTS—				
India (Travancore) (b) .. .. .	do.	704	292	2,917
Australia .. .. .	do.	1	579	3,496
French West Africa (Zircon) .. .. .	do.	—	2	—
Madagascar (Zircon) .. .. .	do.	22	12	19
Brazil .. .. .	do.	858	1,752	2,237

(a) Information not available.

(b) Years ended August.

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