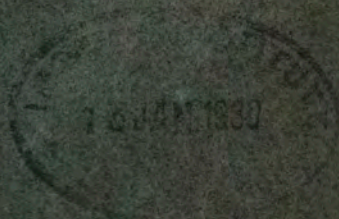


IMPERIAL INSTITUTE

THE MINERAL INDUSTRY OF  
THE BRITISH EMPIRE  
AND  
FOREIGN COUNTRIES

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STATISTICAL SUMMARY  
(Production, Imports and Exports)  
1926-1928



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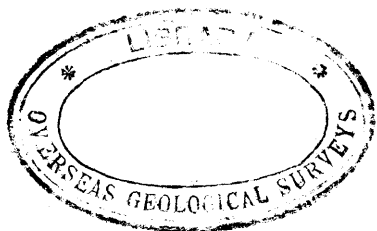
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## INTRODUCTORY NOTE

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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 given 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.

Trade statistics given for Japan and Formosa do not include trade between each of these two countries, such information being separately published for certain important items.

Production statistics in the case of Bavaria refer only to that part of Bavaria lying to the east of the Rhine.

In those cases where values are stated in place of quantities, these values have been converted to £ sterling at the average rates of exchange for the year in question.

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

---

**ABRASIVES**

**PRODUCTION OF NATURAL ABRASIVES**  
(Long tons)

Producing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Southern Rhodesia—			
Corundum .. .. .	39	—	22
Union of South Africa—			
Corundum .. .. .	5,388	917	1,550
India—			
Corundum .. .. .	28	65	21
Garnet sand .. .. .	14	285	480
Australia—			
Emery .. .. .	51	—	—
New Zealand—			
Pumice (i) .. .. .	2,358	1,733	2,301
Canada—			
Garnet .. .. .	—	2	—
<b>FOREIGN COUNTRIES</b>			
Germany (Bavaria)—			
Emery .. .. .	369	379	(a)
Italy—			
Pumice .. .. .	44,592	35,609	27,000
Greece—			
Emery .. .. .	26,810	15,598	12,922
Russia (years ended 30th Sept.)			
Corundum .. .. .	884	2,636	6,876
Emery .. .. .	6,297	4,012	609
Pumice .. .. .	742	439	3,050
Madagascar—			
Corundum .. .. .	115	150	113
United States—			
Emery .. .. .	345	452	1,197
Garnet .. .. .	5,712	6,196	5,908
Pumice .. .. .	48,113	47,587	51,277
Tripoli .. .. .	28,008	23,303	27,053
Japan—			
Pumiceous sand .. .. .	53,046	49,377	(a)
Turkey—			
Emery .. .. .	5,965	4,600	10,959

(a) Information not available.

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

## EXPORTS OF ABRASIVES

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

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Natural abrasives .. ..	4,064	4,432	4,505
Artificial abrasives .. ..	293	321	314
Oil stones .. .. .	8	8	1
Grinding wheels of—			
Artificial corundum, etc. ..	52	56	14
Carborundum .. .. .	254	280	292
Emery .. .. .	234	119	188
Other hard abrasives .. ..	45	19	33
Union of South Africa—			
Corundum .. .. .	4,843	908	1,632
Canada—			
Natural abrasives, including diatomaceous earth.. ..	21	246	262
Artificial abrasives .. ..	43,915	44,657	55,147
Artificial abrasive wheels, etc.	(£9,428)	(£7,914)	(£13,084)
Grindstones .. .. .	(£15,515)	(£10,466)	(£5,900)
New Zealand—			
Pumice .. .. .	2,358	1,733	2,301
FOREIGN COUNTRIES			
Austria—			
Emery .. .. .	56	59	60
Pumice .. .. .	72	88	100
Belgium-Luxemburg E. U.—			
Abrasive .. .. .	13	303	44
Bulgaria—			
Emery, whetstones, etc. ..	118	134	(a)
Grindstones, etc. .. ..	1,104	804	(a)
Czechoslovakia—			
Carborundum .. .. .	129	98	51
Emery and pumice .. ..	18	17	11
Grindstones, etc., natural ..	135	233	220
do. carborundum	297	228	408
do. emery, etc...	495	469	537
Other abrasives.. .. .	31	76	77
Denmark—			
Emery, etc. .. .. .	13	—	3

EXPORTS OF ABRASIVES (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
France—			
Corundum .. .. .	141	210	} 3,512
Emery, ground .. .. .	1,496	854	
Pumice .. .. .	211	175	231
Millstones and grindstones ..	8,103	6,485	8,156
Whetstones .. .. .	683	601	433
Artificial abrasives .. .. .	(a)	(a)	563
Germany—			
Emery .. .. .	756	1,129	1,223
Pumice, etc. .. .. .	59,969	74,139	144,256
Other abrasives.. .. .	7,218	7,640	9,204
Greece—			
Emery .. .. .	12,734	12,909	13,553
Hungary—			
Emery .. .. .	1	1	1
Italy—			
Emery and corundum .. .. .	27	33	51
Pumice .. .. .	34,518	36,334	35,026
Netherlands—			
Emery .. .. .	999	1,782	2,315
Poland .. .. .	214	418	194
Sweden—			
Emery .. .. .	15	7	16
Carborundum, etc. .. .. .	152	227	322
Switzerland—			
Emery, crude .. .. .	18	—	—
Carborundum, crude, etc. ..	340	118	19
Emery and carborundum, ground .. .. .	487	864	1,047
Madagascar—			
Corundum .. .. .	119	143	113
United States—			
Wheels of emery and corundum	348	309	329
Grindstones .. .. .	5,678	4,980	4,747
Other natural abrasives ..	5,336	3,647	4,298
Crude artificial abrasives ..	4,559	5,989	8,204
Artificial abrasive wheels ..	2,121	2,387	2,807
Other artificial abrasives ..	3,146	3,056	3,609
Turkey—			
Emery and carborundum ..	6,531	6,717	(a)

(a) Information not available.

## IMPORTS OF ABRASIVES

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
<b>United Kingdom—</b>			
Emery .. .. .	7,937	8,335	10,046
Artificial corundum .. .. .	1,290	2,244	1,883
Carborundum .. .. .	1,333	1,435	2,234
Other hard abrasives .. .. .	5,201	5,834	11,043
Oil stones .. .. .	(i)11	22	15
Grinding wheels of—			
Artificial corundum, etc. .. .. .	402	552	548
Carborundum .. .. .	59	96	145
Emery .. .. .	91	115	79
Other hard abrasives .. .. .	37	30	40
<b>Irish Free State—</b>			
Manufactured abrasives .. .. .	(£13,487)	(£13,760)	(£12,963)
<b>Kenya and Uganda—</b>			
Grindstones .. .. .	14	7	5
<b>Union of South Africa—</b>			
Emery .. .. .	9	9	11
Pumice .. .. .	57	39	80
Other abrasives .. .. .	(£1,800)	(£1,517)	(£1,420)
Emery and other wheels .. .. .	(£9,728)	(£13,548)	(£10,119)
<b>Canada—</b>			
Pumice, etc. .. .. .	(£6,588)	(£7,245)	(£9,865)
Emery, ground .. .. .	(£10,989)	(£9,599)	(£10,938)
Artificial abrasives, ground .. .. .	(£47,537)	(£44,480)	(£50,240)
Carborundum, partly manu- factured .. .. .	(£198,259)	(£27,043)	(£45,646)
Emery or carborundum manu- factures .. .. .	(£29,856)	(£27,552)	(£39,640)
Grindstones .. .. .	(£170,492)	(£187,594)	(£134,111)
<b>Australia—</b>			
Abrasives .. .. .	(£20,995)	(£23,346)	(£19,968)

## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>			
New Zealand—			
Pumice .. .. .	29	5	2
Grindstones, etc. .. .. .	(£7,445)	(£5,785)	(£6,732)
<b>FOREIGN COUNTRIES</b>			
Austria—			
Emery .. .. .	326	457	425
Pumice .. .. .	377	452	641
Belgium-Luxemburg E.U.—			
Abrasives .. .. .	4,311	4,806	4,260
Czechoslovakia—			
Carborundum .. .. .	400	633	608
Pumice .. .. .	26	164	102
Emery .. .. .	498	571	622
Grindstones, etc.—natural ..	1,817	2,030	2,280
do. carborundum ..	46	36	55
do. emery, etc. ..	178	170	214
Other abrasives .. .. .	16	6	8
Denmark—			
Emery, etc. .. .. .	99	125	94
Pumice .. .. .	136	169	134
Estonia—			
Grindstones, etc.—natural ..	340	325	740
artificial .. .. .	16	16	18
Millstones .. .. .	99	92	70
Finland—			
Emery .. .. .	185	260	287
Pumice .. .. .	88	75	83
Other abrasives .. .. .	61	19	58
France—			
Pumice .. .. .	12,798	9,526	15,128
Millstones and grindstones ..	367	210	227
Whetstones .. .. .	608	219	493
Other natural abrasives ..	2,251	2,152	3,524
Carborundum .. .. .	—	37	496
Other artificial abrasives ..	—	31	673
Germany—			
Emery .. .. .	2,150	5,055	3,438
Pumice, etc. .. .. .	4,750	7,507	7,023
Carborundum .. .. .	1,551	5,422	5,895
Other abrasives .. .. .	165	159	262
Hungary—			
Emery .. .. .	74	95	102

(i) Excess of re-exports.

IMPORTS OF ABRASIVES (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Italy—			
Emery and corundum.. ..	2,047	1,097	1,094
Pumice, etc. .. ..	33	—	—
Jugoslavia—			
Abrasives .. ..	11	117	280
Latvia—			
Emery .. ..	94	69	29
Lithuania—			
Emery .. ..	5	2	3
Netherlands—			
Emery .. ..	1,293	2,579	2,988
Poland—			
Abrasives .. ..	1,158	2,124	2,393
Portugal—			
Emery .. ..	38	67	(a)
Russia (years ended 30th Sept.)—			
Pumice .. ..	1	18	4
Emery and corundum, ground	92	126	38
Abrasive stones .. ..	769	890	944
Spain (total imports)—			
Emery .. ..	172	100	87
Carborundum .. ..	2	5	8
Sweden—			
Emery .. ..	378	454	609
Rottenstone .. ..	250	211	218
Carborundum, etc. .. ..	89	117	150
Switzerland—			
Emery, carborundum, etc., crude .. ..	220	139	370
Emery, carborundum, etc., ground .. ..	325	249	334
Togoland—			
Abrasives .. ..	17	13	18



## IMPORTS OF ABRASIVES (Cont.)

Importing Country and Description.	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Tunis—			
Emery and pumice .. ..	46	38	198
United States—			
Corundum, crude .. ..	4,831	1,133	1,400
Emery, crude .. ..	4,237	4,126	4,846
Emery, ground, etc. .. ..	137	103	151
Pumice .. ..	8,561	7,972	9,910
Tripoli, etc. .. ..	922	1,195	2,328
Argentina—			
Emery .. ..	(a)	268	145
Brazil (total imports)—			
Emery and glass powder ..	85	(a)	(a)
Chile—			
Emery and pumice .. ..	33	40	53
Colombia—			
Emery and pumice .. ..	6	(a)	(a)
Peru—			
Emery and pumice .. ..	16	24	(a)
China—			
Corundum .. ..	38	35	39
Dutch East Indies—			
Emery .. ..	42	54	56
French Indo-China—			
Emery, ground.. ..	177	182	234
Pumice .. ..	4	5	(a)
Japan—			
Abrasives .. ..	2,016	1,710	2,062
Turkey—			
Emery and carborundum, crude	122	4	(a)
do. wheels	34	16	(a)
Grindstones, artificial ..	2	11	(a)

(a) Information not available.

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

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Northern Ireland .. ..	(j)	5,309	2,285
British Guiana .. ..	219,001	189,936	197,718
India .. ..	4,956	4,310	14,667
Australia .. ..	—	921	193
<b>Total ..</b>	<b>229,000</b>	<b>200,000</b>	<b>215,000</b>
<b>FOREIGN COUNTRIES</b>			
Austria (estimated) ..	5,000	(a)	(a)
France .. ..	502,536	531,000	588,368
Germany .. ..	—	2,362	5,000
Greece .. ..	2,283	4,232	295
Hungary .. ..	3,608	334,102	389,522
Italy .. ..	89,000	93,800	159,667
Jugoslavia .. ..	129,746	98,741	48,486
Rumania .. ..	733	1,679	643
United States .. ..	392,250	320,940	375,426
Dutch Guiana .. ..	45,720	178,716	210,488
<b>Total ..</b>	<b>1,170,000</b>	<b>1,570,000</b>	<b>1,780,000</b>
<b>WORLD'S TOTAL</b>	<b>1,400,000</b>	<b>1,770,000</b>	<b>2,000,000</b>

(a) Information not available.

(j) Information not available for publication.

**PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND**

Year	Long tons
1926 .. ..	24,442
1927 .. ..	18,989
1928 .. ..	25,524

## ESTIMATED PRODUCTION OF ALUMINIUM

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	8,000	9,500	9,500
Canada .. .. .	18,000	27,000	25,000
<b>Total ..</b>	<b>26,000</b>	<b>36,500</b>	<b>34,500</b>
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	3,000	3,000	3,000
France .. .. .	23,235	24,000	26,000
Germany .. .. .	29,100	27,000	31,000
Italy (i) .. .. .	1,899	2,504	3,528
Norway (i) .. .. .	24,043	20,518	24,388
Spain .. .. .	—	—	500
Switzerland .. .. .	20,000	21,000	21,800
United States .. .. .	71,000	74,000	80,000
<b>Total ..</b>	<b>172,000</b>	<b>172,000</b>	<b>190,000</b>
<b>WORLD'S TOTAL</b>	<b>198,000</b>	<b>209,000</b>	<b>225,000</b>

(i) Official figures.

## EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Alumina .. .. .	12,902	11,415	15,454
Ingots, etc., alloy and scrap ..	4,109	4,906	5,888
Sheets, tubes, wire, etc ..	2,545	4,249	3,831
Aluminium sulphates .. ..	13,134	13,332	13,362

(a) Information not available.

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

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE (Cont.)			
Canada —			
Blocks, bars, scrap, etc. ..	11,398	23,414	18,928
British Guiana—			
Bauxite .. .. .	183,859	160,933	167,621
Australia (including re-exports) —			
Aluminium .. .. .	(£167)	(£83)	(£38)
Aluminium sulphates .. .. .	9	8	5
FOREIGN COUNTRIES			
Austria—			
Bauxite and cryolite .. .. .	244	2,712	4,880
Crude aluminium and its alloys	3,519	4,176	3,974
Sheets, rods, wire, etc. ..	210	137	236
Aluminium sulphates .. .. .	269	407	263
Belgium-Luxemburg E.U.—			
Crude aluminium .. .. .	259	419	727
Sheets, wire, etc. .. .. .	7	17	32
Aluminium sulphates .. .. .	143	260	173
Czechoslovakia—			
Cryolite .. .. .	12	19	8
Aluminium salts .. .. .	387	280	151
Denmark—			
Refined cryolite .. .. .	14,396	12,341	15,263
Leaf .. .. .	2	2	—
France—			
Bauxite, etc. .. .. .	181,096	258,195	246,794
Alumina .. .. .	19,506	25,810	33,898
Ingots and scrap .. .. .	854	6,640	3,031
Sheets, wire, etc. .. .. .	558	1,466	2,477
Aluminium sulphates .. .. .	29,247	29,821	30,037
Germany—			
Bauxite and cryolite .. .. .	27	115	191
Crude aluminium and scrap ..	13,673	4,990	3,516
Sheets, wire, castings, etc. ..	3,937	3,583	4,117
Aluminium sulphates, etc., in- cluding refined bauxite .. .. .	37,337	41,366	46,039
Hungary—			
Bauxite .. .. .	(a)	(b) 232,792	180,589
Aluminium and scrap .. .. .	15	8	25
Italy—			
Crude aluminium and alloys ..	3	266	183
Sheets, bars, alloys, etc. ..	46	34	79
Aluminium sulphates .. .. .	19	1	—

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

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Jugoslavia—			
Bauxite .. .. .	95,188	95,792	39,584
Crude aluminium and scrap ..	4	—	3
Netherlands—			
Crude aluminium and scrap ..	266	357	373
Aluminium sulphates .. ..	8	4	4
Norway—			
Ingots and scrap .. ..	21,805	21,755	16,637
Sheets .. .. .	49	60	395
Poland—			
Crude aluminium and sheets ..	6	—	8
Rumania—			
Crude aluminium and scrap ..	13	—	(a)
Russia (years ended Sept. 30)—			
Bauxite .. .. .	—	—	88
Spain—			
Ingots and scrap .. ..	—	93	37
Sweden—			
Ingots, sheets and strips ..	35	11	20
Aluminium sulphates .. ..	4,251	6,469	9,057
Switzerland—			
Calcined alumina .. ..	63	57	86
Blocks, ingots, etc., and scrap ..	15,197	13,180	14,807
ditto (alloyed) .. ..	1,045	1,599	1,696
Bars, sheets, tubes and wire ..	1,065	1,650	1,820
Aluminium sulphates .. ..	8	2	—
Greenland—			
Cryolite .. .. .	24,442	18,989	25,524
United States—			
Bauxite and alumina .. ..	87,770	121,858	112,984
Ingots, scrap and alloys ..	262	1,514	1,067
Plates, sheets etc. .. ..	3,146	4,910	5,954
Aluminium sulphates .. ..	19,671	18,865	20,280
Dutch Guiana—			
Bauxite .. .. .	45,720	173,507	210,488
Uruguay—			
Sulphates .. .. .	21	—	(a)
China—			
Aluminium sulphates .. ..	2,073	2,327	2,389
Japan—			
Plates and sheets .. ..	(a)	(a)	163
Turkey—			
Ingots, bars, wire, etc... ..	7	(a)	(a)

(a) Information not available.

(b) Export figures not available. Figures shown represent imports into Germany from Hungary.

## IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Bauxite .. .. .	63,374	89,045	109,504
Cryolite .. .. .	1,192	1,164	1,547
Alumina .. .. .	681	107	1,060
Ingots, etc., alloy and scrap ..	11,987	15,155	13,368
Sheets, tubes, wire, etc. ..	3,498	3,773	5,117
Aluminium sulphates .. ..	19,369	22,297	26,635
Kenya and Uganda—			
Sheets and wire .. ..	13	25	39
Southern Rhodesia—			
Ingots and bars .. ..	71	—	—
Union of South Africa—			
Ingots, bars, sheet and foil ..	57	78	112
Aluminium sulphates .. ..	930	236	163
Canada—			
Bauxite .. .. .	(a)	(a)	(b) 116,860
Cryolite .. .. .	2,858	1,093	3,092
Alumina .. .. .	64,797	113,051	29,352
Ingots, rods, sheets, etc. ..	464	542	662
Leaf and foil .. .. .	(£41,693)	(£53,691)	(£47,827)
Aluminium sulphates .. ..	21,709	18,593	19,698
India (total imports <i>by sea</i> )—			
Ingots, blocks, bars, etc. ..	230	223	93
Sheets and circles .. ..	3,909	5,514	5,801
Aluminium sulphates .. ..	6,662	6,153	5,805
Australia—			
Cryolite ores .. .. .	46	64	104
Pigs, ingots, blocks, etc. ..	252	275	347
Sheets, pipes, tubes, rods, etc.	400	671	559
Aluminium sulphates .. ..	62	65	81
New Zealand—			
Aluminium sulphates .. ..	55	68	156
Bars, sheets, tubes, etc. ..	24	15	27
FOREIGN COUNTRIES			
Austria—			
Bauxite .. .. .	421	198	636
Cryolite .. .. .	711	447	255
Crude aluminium and its alloys	570	502	908
Sheets, rods, wire, etc. ..	476	407	651
Aluminium sulphates .. ..	229	107	308

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

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Belgium-Luxemburg E. U.—			
Bauxite, etc. . . . .	2,140	2,176	1,669
Crude aluminium . . . . .	873	1,468	1,607
Sheets, wire, etc. . . . .	413	650	556
Aluminium sulphates . . . . .	5,120	5,776	4,171
Bu'garia—			
Aluminium sulphates . . . . .	219	229	(a)
Czechoslovakia—			
Cryolite . . . . .	657	544	487
Sheet and plates . . . . .	278	356	461
Aluminium salts . . . . .	1,052	679	468
Denmark—			
Crude cryolite . . . . .	17,051	14,090	15,919
Crude aluminium . . . . .	91	110	123
Leaf . . . . .	82	88	100
Aluminium sulphates . . . . .	1,599	981	1,104
Estonia—			
Aluminium sulphates . . . . .	929	825	1,491
Finland—			
Crude aluminium and scrap . . . . .	8	8	14
Plates and sheets . . . . .	51	77	137
Aluminium sulphates . . . . .	4,436	4,628	5,420
France—			
Alumina . . . . .	4	5	16
Ingots and scrap . . . . .	1,230	384	111
Sheets, wire, etc. . . . .	69	47	105
Aluminium sulphates . . . . .	22	22	257
Germany—			
Bauxite and cryolite . . . . .	232,744	531,476	425,431
Crude aluminium and scrap . . . . .	5,438	12,593	14,548
Sheets wire, etc. . . . .	181	218	415
Aluminium sulphates, etc., including refined bauxite . . . . .	6,402	2,821	1,763
Greece—			
Aluminium . . . . .	15	20	22

(a) Information not available.

(b) From April 1st, 1928.

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Crude aluminium and scrap ..	126	159	264
Bars, sheets and wire .. ..	50	67	72
Foil .. .. .	10	19	31
Aluminium sulphates .. ..	818	795	927
Italy—			
Crude aluminium and alloys ..	2,798	3,592	823
Sheets, tubes and alloys ..	516	419	884
Aluminium sulphates .. ..	3,401	3,574	5,379
Jugoslavia—			
Bauxite .. .. .	(a)	182	1
Crude aluminium .. ..	17	16	19
Bars, sheets, pipes, wire, etc.	14	46	138
Aluminium sulphates .. ..	407	348	336
Latvia—			
Aluminium sulphates .. ..	501	520	544
Netherlands—			
Crude aluminium and scrap ..	355	469	650
Aluminium sulphates .. ..	301	337	417
Norway—			
Bauxite .. .. .	1,882	316	7,529
Cryolite .. .. .	2,118	1,923	2,347
Alumina .. .. .	42,473	41,660	44,276
Crude aluminium .. ..	16	2	89
Bars, sheets, etc. .. ..	215	353	237
Aluminium sulphates .. ..	3,379	3,792	4,743
Poland—			
Bauxite .. .. .	1	20	1
Crude aluminium and scrap ..	112	427	668
Sheets and wire .. ..	100	209	398
Sulphates .. .. .	447	430	185
Portugal—			
Aluminium .. .. .	58	56	(a)
Aluminium sulphates .. ..	531	426	(a)
Rumania—			
Cryolite .. .. .	113	—	(a)
Crude aluminium and scrap ..	(a)	76	(a)
Sheets, wire, etc. .. ..	3	19	(a)
Aluminium sulphates .. ..	1,473	1,558	(a)
Russia (years ended 30th Sept.)—			
Aluminium .. .. .	1,768	2,795	5,702
Spain (total imports)—			
Alumina .. .. .	646	1,330	2,483
Lumps and ingots .. ..	404	1,679	1,250
Bars, sheets, tubes and wire ..	818	494	700



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

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Sweden—			
Crude aluminium .. ..	1,256	1,097	1,742
Sheets and strips .. ..	375	324	449
Aluminium sulphates .. ..	1,099	758	718
Switzerland—			
Alumina, etc. .. .. .	31,184	39,686	44,825
Blocks, ingots, etc., and scrap ditto, (alloyed) .. .. .	227	516	719
Bars, sheets, tubes and wire .. ..	77	75	93
Aluminium sulphates .. ..	68	32	148
Aluminium sulphates .. ..	309	398	311
Egypt—			
Aluminium sulphates .. ..	2,021	2,576	2,981
French West Africa—			
Aluminium .. .. .	32	34	43
United States—			
Bauxite and blue clay .. ..	281,644	356,580	350,111
Cryolite .. .. .	7,599	5,064	6,906
Crude aluminium, scrap, etc. .. ..	33,256	30,531	16,734
Sheets, bars, etc. .. ..	57	179	12
Refined bauxite .. .. .	97	70	250
Aluminium sulphates .. ..	2,451	684	498
Argentina—			
Ingots and sheets .. ..	138	196	214
Aluminium sulphates .. ..	1,984	1,901	3,250
Brazil—			
Bars, sheets and wire .. ..	484	696	1,038
Chile—			
Bars and sheets .. ..	49	62	90
Aluminium sulphates .. ..	372	308	445
Colombia—			
Aluminium sulphates .. ..	52	(a)	(a)
China—			
Sheets .. .. .	298	309	352
Dutch East Indies—			
Ingots, sheets, wire and alloys	412	609	673
Aluminium sulphates .. ..	6,108	5,340	4,864
Formosa—			
Aluminium sulphates .. ..	179	195	(a)
French Indo-China—			
Aluminium .. .. .	2	56	4,378
Aluminium sulphates .. ..	26	219	130
Japan (total imports)—			
Cryolite .. .. .	542	621	874
Aluminium .. .. .	7,425	5,885	9,189
Turkey—			
Bars, sheets, wire, etc. . . . .	39	8	(a)
Aluminium sulphates .. ..	175	263	(a)

(a) Information not available.

## ANTIMONY

### PRODUCTION OF ANTIMONY ORE

( *In terms of metal* )

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Southern Rhodesia ..	29	—	49
Canada .. .. .	1	—	—
India (ore) .. .. .	108	500	370
Australia .. .. .	100	63	47
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	30	1,054	1,125
Czechoslovakia .. .. .	1,154	1,951	1,189
France .. .. .	720	2,450	2,131
Italy .. .. .	443	351	281
Jugoslavia .. .. .	100	147	127
Spain .. .. .	17	13	(a)
Algeria .. .. .	488	50	—
Morocco (exports) .. .. .	69	—	—
Mexico .. .. .	2,193	1,894	3,521
United States .. .. .	38	—	41
Bolivia (exports) .. .. .	4,286	3,953	3,487
Peru .. .. .	97	119	(a)
Asia Minor (estimated) .. .. .	400	400	400
China (exports)—			
Ore .. .. .	2,257	1,907	2,370
Crude .. .. .	3,186	2,305	3,423
Regulus .. .. .	17,799	15,556	16,195
Korea .. .. .	5	(a)	(a)
Turkey .. .. .	(b)600	12	91
<b>WORLD'S TOTAL</b>	<b>32,000</b>	<b>30,000</b>	<b>33,000</b>

(a) Information not available.

(b) Ore.

## EXPORTS OF ANTIMONY, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Regulus .. .. .	728	750	516
Southern Rhodesia—			
Ore .. .. .	47	54	76
Australia (including re-exports)—			
Ore .. .. .	13	60	—
Regulus and alloys .. .. .	(£2,286)	(£195)	(£428)
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	(a)	761	1,792
Regulus .. .. .	33	132	14
Belgium-Luxemburg E.U.—			
Ore .. .. .	36	3	18
Crude and regulus .. .. .	481	223	1,658
Czechoslovakia—			
Regulus .. .. .	873	764	674
Compounds .. .. .	1	12	21
France—			
Ore .. .. .	4	2	81
Crude and regulus .. .. .	609	357	185
Oxide and sulphide .. .. .	783	1,333	1,248
Germany—			
Regulus and scrap .. .. .	809	564	427
Italy—			
Regulus .. .. .	2	2	1
Jugoslavia—			
Ore .. .. .	(a)	49	83
Metal .. .. .	55	87	34
Netherlands—			
Regulus .. .. .	9	12	31
Poland—			
Ore and regulus .. .. .	3	—	21
Portugal—			
Ore .. .. .	31	1	(a)

(a) Information not available.

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Spain (including re-exports)—			
Regulus .. .. .	—	52	25
Sweden—			
Ore .. .. .	10	29	78
Algeria—			
Ore .. .. .	935	1,235	55
Mexico—			
Ore ( <i>antimony content</i> ) ..	742	827	820
Pig lead ( <i>antimony content</i> ) ..	612	17	560
Refined antimony .. .. .	1,209	1,050	2,142
Bolivia—			
Ore ( <i>antimony content</i> ) .. ..	4,286	3,953	3,487
Peru—			
Ore ( <i>antimony content</i> ) .. ..	97	(a)	(a)
China—			
Ore .. .. .	2,257	1,907	2,370
Crude .. .. .	3,186	2,305	3,423
Regulus .. .. .	17,799	15,556	16,195
Japan—			
Regulus .. .. .	105	96	127
Turkey—			
Ore .. .. .	73	50	(a)

(a) Information not available.\*

## IMPORTS OF ANTIMONY, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore, including crude .. ..	4,227	2,895	1,165
Regulus .. ..	2,546	2,594	3,674
Union of South Africa—			
Crude and regulus .. ..	15	30	96
Canada—			
Regulus .. ..	509	573	683
Australia—			
Ore .. ..	45	71	97
Crude and regulus .. ..	173	190	169
Sulphide .. ..	—	2	9
FOREIGN COUNTRIES			
Austria—			
Regulus .. ..	162	165	193
Belgium-Luxemburg E. U.—			
Ore .. ..	1,988	2,203	3,314
Metal .. ..	216	207	191
Czechoslovakia—			
Crude and regulus .. ..	40	34	69
Compounds .. ..	32	16	14
Denmark—			
Regulus and manufactures ..	43	49	61
Estonia—			
Crude and regulus .. ..	11	10	10
Finland—			
Ore .. ..	25	13	11
France—			
Ore .. ..	3,708	2,421	1,815
Crude and regulus .. ..	1,050	699	1,467
Oxide and sulphide .. ..	58	27	73
Germany—			
Ore, including crude .. ..	771	1,297	1,569
Regulus and scrap .. ..	2,243	3,295	3,321
Hungary—			
Regulus .. ..	7	5	6
Italy—			
Regulus .. ..	246	332	593

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Jugoslavia—			
Metal .. .. .	3	6	22
Netherlands—			
Regulus .. .. .	102	146	163
Norway—			
Regulus .. .. .	23	25	41
Poland—			
Ore and regulus .. .. .	99	179	169
Oxide and sulphide .. .. .	93	84	90
Portugal—			
Crude and alloys .. .. .	26	26	(a)
Rumania—			
Crude .. .. .	73	(a)	(a)
Russia (years ended 30th Sept.)—			
Crude .. .. .	13	119	170
Metal .. .. .	130	3	87
Spain (total imports)—			
Regulus .. .. .	108	102	107
Sulphide .. .. .	24	43	50
Sweden—			
Ore .. .. .	180	145	267
Switzerland—			
Ore .. .. .	139	179	131
United States—			
Ore ( <i>antimony content</i> ) .. .. .	1,419	1,770	1,954
Regulus and crude .. .. .	12,971	10,720	9,598
Argentina—			
Regulus .. .. .	43	101	115
Chile—			
Regulus .. .. .	144	73	15
Colombia—			
Ingots, etc. .. .. .	31	(a)	(a)
Uruguay—			
Ingots .. .. .	9	3	(a)
Dutch East Indies—			
Antimony .. .. .	7	27	(a)
French Indo-China—			
Regulus .. .. .	9	7	(a)
Japan—			
Regulus .. .. .	1,617	1,833	1,900
Turkey—			
Ore and regulus .. .. .	—	15	(a)

(a) Information not available.

## ARSENIC

## PRODUCTION OF ARSENIC

(Long tons)

Producing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Arsenical pyrites .. .. .	—	80	—
White arsenic and arsenic soot	1,666	1,337	1,293
Southern Rhodesia—			
White arsenic .. .. .	48	38	100
Union of South Africa—			
White arsenic .. .. .	38	52	17
Canada ( <i>sales</i> )—			
Gold concentrates ( <i>arsenic content</i> ) .. .. .	487	596	625
White arsenic .. .. .	1,779	2,185	1,792
Australia—			
Arsenical ores and white arsenic	1,220	221	94
FOREIGN COUNTRIES			
Austria—			
Gold ores ( <i>arsenic content</i> ) ..	153	13	—
Czechoslovakia			
Arsenical pyrites .. .. .	4	12	6
France—			
Ore .. .. .	49,100	54,900	73,540
White arsenic .. .. .	2,063	2,300	(a)
Germany—			
Arsenical ores ( <i>arsenic content</i> )	1,289	1,474	1,593
Greece—			
White arsenic .. .. .	1,130	1,020	698
Italy—			
Arsenical ores ( <i>arsenic content</i> )	137	45	(a)

(a) Information not available.

PRODUCTION OF ARSENIC (*Cont.*)

Producing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Portugal—			
Ore .. .. .	99	46	(a)
White arsenic .. .. .	189	(a)	(a)
Russia (years ended Sept. 30)—			
Ore .. .. .	6,647	5,272	(a)
Spain—			
Arsenical pyrites ( <i>arsenic content</i> ) .. .. .	28	27	(a)
Sweden—			
Ore ( <i>arsenic content</i> ) .. .. .	2,439	4,350	4,474
Algeria—			
Arsenate of lead ( <i>arsenic content</i> ) .. .. .	721	610	260
Mexico—			
White arsenic, etc. ( <i>arsenic content</i> ) .. .. .	6,356	8,876	8,532
United States—			
White arsenic .. .. .	6,035	10,473	12,646
Japan—			
White arsenic .. .. .	1,019	1,686	1,800
Turkey—			
Arsenic .. .. .	(a)	(a)	10

(a) Information not available.



## EXPORTS OF ARSENIC, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic .. ..	24	16	5
White arsenic .. ..	198	86	136
Other compounds of arsenic ..	114	149	—
Southern Rhodesia—			
White arsenic .. ..	41	54	93
Canada—			
White arsenic, etc. .. ..	1,492	1,722	1,426
FOREIGN COUNTRIES			
Austria—			
Sulphide of arsenic .. ..	1	1	—
Belgium-Luxemburg E. U.—			
Ore .. ..	30	1	15
Realgar and orpiment .. ..	11	17	30
Metallic arsenic .. ..	202	160	277
White arsenic .. ..	1,683	2,166	2,614
Czechoslovakia—			
Realgar and orpiment .. ..	3	—	—
France—			
Ore .. ..	—	33	237
Sulphide of arsenic .. ..	24	39	45
Metallic arsenic .. ..	—	5	12
White arsenic .. ..	1,364	1,315	2,463
Arsenates .. ..	156	87	337
Germany—			
White arsenic .. ..	2,340	2,702	2,668
Greece—			
White arsenic .. ..	1,442	1,086	682
Mexico—			
Arsenic content of white arsenic	6,343	8,876	8,532
United States—			
Arsenates .. ..	(a)	(a)	1,014
Sulphide of arsenic .. ..	(a)	(a)	234
Japan—			
White arsenic .. ..	(a)	(a)	2,042

(a) Information not available.

## IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Metallic arsenic .. ..	11	34	24
White arsenic .. ..	2,915	2,891	2,034
Other compounds of arsenic ..	277	476	124
Union of South Africa—			
Sodium arsenite .. ..	804	866	633
Canada—			
Sulphide of arsenic .. ..	31	7	42
White arsenic .. ..	64	128	149
India (total imports <i>by sea</i> )—			
Arsenic and its oxides.. ..	125	129	116
Australia—			
White arsenic, etc. .. ..	£30,033	£27,687	£24,760
New Zealand—			
White arsenic, etc. .. ..	33	34	40
Arsenates .. ..	32	16	22
FOREIGN COUNTRIES			
Austria—			
Metallic arsenic .. ..	5	9	7
Sulphide of arsenic .. ..	16	18	15
Belgium-Luxemburg E.U.—			
Ore .. ..	3,126	6,023	4,731
Realgar and orpiment.. ..	18	28	35
Metallic arsenic .. ..	33	2	4
White arsenic .. ..	54	68	94
Czechoslovakia—			
Realgar and orpiment .. ..	50	46	63
Metallic arsenic .. ..	18	25	23
White arsenic .. ..	167	108	175
France—			
Ore .. ..	—	10	79
Sulphides of arsenic .. ..	34	46	32
Metallic arsenic .. ..	15	6	10
White arsenic .. ..	750	308	138
Arsenates .. ..	9	3	11
Germany—			
Ore .. ..	2,644	5,788	5,780
White arsenic .. ..	541	424	694

## IMPORTS OF ARSENIC (Cont.)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Italy—			
Metallic arsenic .. ..	8	10	10
White arsenic .. ..	329	395	410
Jugoslavia—			
Metallic arsenic .. ..	14	7	7
Realgar and orpiment ..	—	4	5
Lithuania—			
Arsenic .. ..	1	1	1
Poland—			
Metallic arsenic .. ..	3	14	3
White arsenic .. ..	7	27	10
Sulphides .. ..	7	8	24
Rumania—			
White arsenic .. ..	25	(a)	(a)
Russia (years ended 30th Sept.)—			
Arsenates .. ..	7	1	2
Spain (b)—			
Arsenic .. ..	27	2	11
Egypt—			
White arsenic, etc. .. ..	2	2	5
Mexico—			
White arsenic .. ..	264	7	(a)
United States—			
White arsenic, etc. (b) .. ..	6,878	11,176	9,958
Sulphide of arsenic .. ..	252	183	(a)
Argentina—			
White arsenic, etc. .. ..	433	335	280
Chile—			
White arsenic .. ..	5	10	22
Colombia—			
White arsenic .. ..	4	(a)	(a)
Metallic arsenic .. ..	1	(a)	(a)
Uruguay—			
White arsenic .. ..	687	569	(a)
French Indo-China—			
White arsenic .. ..	1	3	(a)
Sulphide of arsenic .. ..	1	6	(a)
Turkey—			
Arsenic, including sulphide ..	17	9	(a)

(a) Information not available.

(b) Total imports.

## ASBESTOS

### PRODUCTION OF ASBESTOS

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Southern Rhodesia .. ..	29,771	29,621	35,679
Union of South Africa (b) ..	13,884	21,004	24,197
Canada—			
Chrysotile .. .. .	282,032	258,919	265,453
Crude .. .. .	3,680	3,332	3,569
Spinning stocks .. ..	12,356	10,958	12,546
Shingle stocks .. ..	35,427	40,879	37,478
Millboard and paper stocks ..	90,440	53,116	63,519
Fillers, floats and other short fibres .. .. .	126,136	132,527	127,412
Sand, gravel and crushed rock	13,993	18,107	20,929
Actinolite .. .. .	71	77	62
Cyprus .. .. .	6,313	11,380	16,287
India .. .. .	80	68	157
Australia .. .. .	110	11	5
Total .. ..	332,000	321,000	342,000
<b>FOREIGN COUNTRIES</b>			
Finland (Amphibole) .. ..	2,133	2,385	2,241
France .. .. .	650	(a)	(a)
Italy .. .. .	2,500	4,470	(a)
Russia (years ended 30th Sept.)—			
Asbestos .. .. .	18,044	20,822	26,000
United States (sales) .. ..	1,213	2,662	1,999
Japan (estimated) .. ..	1,000	1,000	1,000
Total .. ..	26,000	31,000	36,000
<b>WORLD'S TOTAL ..</b>	<b>358,000</b>	<b>352,000</b>	<b>378,000</b>

(a) Information not available.

(b) Production is not available by kinds, but sales were as follows:—

	1927.	1928.
Amosite .. ..	4,548 long tons.	6,025 long tons.
Blue .. .. .	4,351 " "	4,592 " "
Chrysotile .. ..	10,870 " "	10,859 " "

## EXPORTS OF ASBESTOS

*(Domestic Produce)*

(Long tons)

Particulars.	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Unmanufactured—			
Crude and fibre .. ..	403	681	709
Waste, including asbestic .. ..	55	31	85
Manufactures .. .. .	24,710	29,710	33,661
Southern Rhodesia—			
Unmanufactured .. .. .	29,781	27,024	36,532
Manufactures .. .. .	(£730)	(£1,935)	(£4,146)
Union of South Africa—			
Unmanufactured .. .. .	7,514	11,344	10,868
Manufactures .. .. .	(£802)	(£612)	(£1,367)
Canada—			
Unmanufactured .. .. .	126,571	118,951	115,350
Sand and waste .. .. .	121,635	116,130	121,187
Manufactures .. .. .	(£8,854)	(£13,649)	(£13,525)
Cyprus—			
Unmanufactured .. .. .	6,331	10,904	11,579
Australia (including re-exports)—			
Packing .. .. .	(£3,036)	(£2,292)	(£2,337)
New Zealand—			
Manufactures .. .. .	(£957)	(£2,530)	(£606)
<b>FOREIGN COUNTRIES</b>			
Austria—			
Unmanufactured .. .. .	202	184	102
Spun and woven .. .. .	82	99	137
Paper and board .. .. .	129	111	142
Cement sheets .. .. .	83	55	143
Other manufactures .. .. .	6	3	9
Belgium-Luxemburg E.U.—			
Unmanufactured .. .. .	802	1,917	1,409
Spun and woven .. .. .	103	118	95
Paper and board .. .. .	616	2,391	1,672
Other manufactures .. .. .	47	30	58

EXPORTS OF ASBESTOS (*Cont.*)

Particulars	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Czechoslovakia—			
Unmanufactured .. ..	56	60	114
Spun and woven .. ..	137	79	94
Paper and board .. ..	239	459	1,173
Other manufactures .. ..	126	63	85
France—			
Manufactures .. .. .	1,152	683	1,682
Germany—			
Unmanufactured .. ..	200	312	467
Spun and woven .. ..	542	611	709
Paper and board .. ..	3,222	3,711	3,027
Other manufactures .. ..	399	520	540
Italy—			
Unmanufactured .. ..	1,711	3,453	4,862
Spun and woven .. ..	227	259	152
Paper and board .. ..	70	79	75
Cement products .. ..	11,816	10,842	11,393
Other manufactures .. ..	52	37	54
Netherlands .. .. .	5	18	6
Poland—			
Unmanufactured .. ..	68	—	47
Manufactures .. .. .	2	10	6
Russia (years ended Sept. 30) ..	7,099	9,788	10,971
Sweden—			
Unmanufactured .. ..	7	5	3
Board .. .. .	—	—	1
Other manufactures .. ..	5	7	7
Switzerland (including mica)—			
Unmanufactured .. ..	24	34	6
Manufactures .. .. .	361	414	449
United States—			
Unmanufactured .. ..	986	276	759
Spun and woven .. ..	647	628	738
Paper and board .. ..	800	704	726
Brake and clutch linings .. ..	(£214,123)	(£78,057)	(£292,041)
Pipe coverings and cement .. ..	1,904	2,166	2,198
Roofing squares .. ..	(£114,987)	(£104,776)	(£91,608)
Other manufactures .. ..	1,215	1,146	1,292
Japan—			
Unmanufactured .. ..	(£16)	(£17)	(£13)

**IMPORTS OF ASBESTOS**  
(*Less Re-exports*)  
(Long tons)

Particulars	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Unmanufactured—			
Crude and fibre .. ..	23,404	27,044	25,403
Waste, including asbestic .. ..	1,425	2,711	1,743
Manufactures .. ..	25,954	35,014	40,570
Southern Rhodesia—			
Cement sheets .. ..	(£5,970)	(£4,666)	(£7,110)
Other manufactures .. ..	(£900)	(£399)	(£1,022)
Union of South Africa—			
Packing .. ..	(£22,426)	(£24,542)	(£27,063)
Cement products .. ..	(£25,220)	(£20,406)	(£22,096)
Other manufactures .. ..	(£2,537)	(£2,972)	(£1,795)
Canada—			
Packing .. ..	83	102	90
Other manufactures .. ..	(£97,265)	(£115,801)	(£149,393)
Newfoundland (years ended June 30)—			
Unmanufactured .. ..	(£1,066)	(£1,074)	(£748)
Shingles .. ..	(£46)	(£35)	(£14)
India (total imports <i>by sea</i> )—			
Unmanufactured .. ..	—	—	2
Packing .. ..	(£32,563)	(£55,746)	(£32,512)
Other manufactures .. ..	(£180,499)	(£273,256)	(£256,573)
New Zealand—			
Sheets, slates and tiles .. ..	(£31,005)	(£33,967)	(£34,030)
Packing, brake lining, etc. .. ..	(£44,606)	(£46,417)	(£41,346)
Other manufactures .. ..	(£481)	(£350)	(£195)
Australia—			
Packing .. ..	(£52,233)	(£47,213)	(£67,984)
<b>FOREIGN COUNTRIES</b>			
Austria—			
Unmanufactured .. ..	5,300	4,418	4,394
Spun and woven .. ..	16	29	42
Paper and board .. ..	15	13	39
Cement sheets .. ..	33	16	39
Other manufactures .. ..	24	22	38

IMPORTS OF ASBESTOS (*Cont.*)

Particulars	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Belgium-Luxemburg E.U.—			
Unmanufactured .. ..	17,808	21,028	17,862
Spun and woven .. ..	117	235	255
Paper and board .. ..	129	191	129
Other manufactures .. ..	11	12	10
Czechoslovakia—			
Unmanufactured .. ..	9,252	9,024	9,614
Spun and woven .. ..	32	25	36
Paper and board .. ..	14	24	14
Other manufactures .. ..	21	27	55
Denmark—			
Unmanufactured .. ..	277	175	478
Spun and woven .. ..	194	197	292
Estonia .. .. .	33	49	69
Finland (including mica)—			
Unmanufactured .. ..	258	290	199
Manufactures .. .. .	166	300	392
France—			
Spun and woven .. ..	425	285	327
Paper and board .. ..	114	205	383
Germany—			
Unmanufactured .. ..	8,821	15,689	17,449
Spun and woven .. ..	27	54	94
Paper and board .. ..	45	116	147
Paint and cement products ..	417	320	(a)
Other manufactures .. ..	13	91	172
Hungary .. .. .	3,661	2,764	2,121
Italy—			
Unmanufactured .. ..	5,864	4,732	6,317
Spun and woven .. ..	126	126	154
Paper and board .. ..	278	238	262
Cement products .. .. .	31	48	33
Other manufactures .. ..	12	3	133

(a) Information not available.



IMPORTS OF ASBESTOS (*Cont.*)

Particulars	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Jugoslavia—			
Unmanufactured .. ..	1,562	1,701	1,249
Spun and woven .. ..	49	51	59
Paper and board .. ..	85	90	108
Other manufactures .. ..	8	13	12
Latvia—			
Unmanufactured .. ..	60	77	68
Manufactures .. ..	(a)	26	(a)
Lithuania .. ..	6	43	35
Netherlands .. ..	1,189	1,119	2,780
Norway .. ..	515	576	1,153
Poland—			
Unmanufactured .. ..	318	907	1,337
Board .. ..	67	108	74
Other manufactures .. ..	563	709	1,294
Portugal—			
Unmanufactured .. ..	26	92	(a)
Rumania—			
Unmanufactured .. ..	185	110	(a)
Sheets .. ..	114	56	(a)
Russia (years ended Sept. 30) ..	41	179	100
Spain (total imports)—			
Unmanufactured .. ..	2,740	2,203	5,770
Sweden—			
Unmanufactured .. ..	315	593	644
Board .. ..	311	330	482
Other manufactures .. ..	117	153	194
Switzerland (including mica)—			
Unmanufactured .. ..	914	1,132	1,055
Manufactures .. ..	469	531	667
Egypt .. ..	147	212	253
Costa Rica .. ..	8	5	(a)
Mexico—			
Unmanufactured .. ..	4	411	(a)

IMPORTS OF ASBESTOS (*Cont.*)

Particulars	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
United States—			
Unmanufactured—			
Crude (including blue fibre)	} 229,514	199,283	12,402
Mill fibre .. .. .			80,235
Stucco and other unmanufactured .. .. .			113,251
Manufactures .. .. .	27,619	60,465	25,166
Argentina .. .. .	651	734	49
Brazil (total imports)—			
Unmanufactured .. .. .	106	(a)	(a)
Manufactures .. .. .	766	(a)	(a)
Chile—			
Unmanufactured .. .. .	42	28	70
Manufactures .. .. .	551	466	277
Colombia—			
Unmanufactured .. .. .	131	(a)	(a)
China .. .. .	572	571	693
Dutch East Indies—			
Unmanufactured .. .. .	35	1	11
Cement sheets .. .. .	4,191	5,055	5,029
Japan—			
Unmanufactured .. .. .	4,292	8,242	10,196
Manufactures .. .. .	518	949	1,068
Turkey—			
Unmanufactured .. .. .	17	37	(a)
Manufactures .. .. .	180	433	(a)

(a) Information not available.

## BARIUM MINERALS

### PRODUCTION OF BARIUM MINERALS

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	42,775	46,853	49,901
Southern Rhodesia .. ..	27	13	76
Canada (sales) .. ..	89	50	113
India .. ..	2,311	1,719	3,096
Australia .. ..	1,942	2,086	2,386
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	950	1,894	2,208
Belgium .. ..	6,004	1,604	(a)
France .. ..	38,197	(a)	(a)
Germany—			
Bavaria .. ..	26,522	19,719	} 229,180
Prussia .. ..	152,000	152,349	
Italy .. ..	31,342	30,193	26,688
Russia (years ended Sept. 30) ..	14,162	8,362	3,421
Spain (i) .. ..	7,137	4,878	(a)
Algeria .. ..	800	500	—
United States (sales) .. ..	212,388	227,022	240,664

(a) Information not available.

(i) In addition, 200 and 800 cubic yards of barytes were produced from quarries during 1926 and 1927, respectively.

EXPORTS OF BARIUM MINERALS, ETC.\*  
(Domestic Produce)

(Long tons)

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
<b>United Kingdom—</b>			
Unground barytes .. ..	1,068	119	3,409
Ground barytes .. ..	3,111	801	1,899
Dioxide .. ..	150	453	311
Other salts .. ..	2,553	3,077	4,329
<b>FOREIGN COUNTRIES</b>			
<b>Austria—</b>			
Barytes .. ..	400	45	53
Chloridé, sulphate, etc. ..	31	25	3
<b>Belgium-Luxemburg E. U.—</b>			
Sulphate .. ..	28	40	120
Chloride .. ..	5,035	5,840	7,017
Sulphide .. ..	50	—	5
<b>Czechoslovakia—</b>			
Crude barytes .. ..	44	1	1,671
Sulphate .. ..	814	913	1,087
Carbonate and nitrate ..	5	—	7
Chloride .. ..	805	1,648	2,095
<b>France—</b>			
Barytes .. ..	3,417	3,014	1,001
Sulphate, precipitated, etc. ..	490	272	495
Witherite .. ..	42	44	44
Carbonate, precipitated ..	104	22	29
Chloride .. ..	1,032	859	237
Dioxide .. ..	275	2	2
Nitrate and sulphide .. ..	6	6	11
<b>Germany (including reparations)—</b>			
Barytes and celestite .. ..	158,117	198,044	243,898
Sulphate, precipitated .. ..	7,979	7,683	7,310
Carbonate .. ..	14,479	9,121	10,823
Chloride .. ..	6,358	2,955	854
Nitrate .. ..	916	888	1,083
<b>Italy—</b>			
Barytes .. ..	—	48	34
Sulphate .. ..	6,963	3,144	4,634
Carbonate and chloride ..	2	3	3
<b>Netherlands—</b>			
Barytes .. ..	63	1,371	102
<b>Jugoslavia—</b>			
Barytes .. ..	—	—	6,439

\* For lithopone see "zinc," page 347.

## IMPORTS OF BARIUM MINERALS, ETC.\*

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Unground barytes .. .. .	454	892	2,017
Ground barytes .. .. .	38,414	33,882	34,494
Dioxide .. .. .	125	329	—
Other salts .. .. .	3,129	2,528	2,221
Union of South Africa—			
Barytes .. .. .	445	376	780
Dioxide .. .. .	5	9	11
Canada—			
Barytes .. .. .	2,162	2,537	2,570
Dioxide .. .. .	10	31	6
India (total imports <i>by sea</i> )			
Barytes .. .. .	1,327	1,669	1,771
Australia—			
Barytes .. .. .	15	86	19
<b>FOREIGN COUNTRIES</b>			
Austria—			
Barytes .. .. .	1,825	2,218	2,125
Chloride .. .. .	515	485	825
Sulphate .. .. .	598	521	674
Belgium-Luxemburg E.U.—			
Sulphate .. .. .	1,370	2,075	2,770
Chloride .. .. .	579	503	25
Dioxide .. .. .	21	42	104
Czechoslovakia—			
Crude barytes .. .. .	5,273	6,617	8,865
Ground barytes .. .. .	2,882	3,173	3,283
Carbonate .. .. .	198	156	278
Other salts .. .. .	143	109	177
Denmark—			
Barytes and precipitated sulphate .. .. .	392	363	538
Carbonate and chloride ..	58	148	165

\* For lithopone see "zinc," page 351.

IMPORTS OF BARIUM MINERALS (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
<b>Estonia—</b>			
Barytes .. .. .	26	21	22
Witherite .. .. .	—	1	6
<b>Finland—</b>			
Barytes .. .. .	390	410	456
Chloride .. .. .	29	57	63
<b>France—</b>			
Barytes .. .. .	8,063	8,761	23,883
Precipitated sulphate, etc. ..	596	457	729
Witherite .. .. .	410	882	435
Precipitated carbonate .. ..	2,267	1,559	2,464
Barium chloride .. .. .	3,406	2,096	2,213
Nitrate, sulphide, etc. .. ..	32	110	116
<b>Germany—</b>			
Barytes and celestite .. ..	726	3,730	5,369
Chloride .. .. .	—	—	598
Nitrate .. .. .	—	6	7
<b>Hungary—</b>			
Ground barytes .. .. .	1,052	1,292	1,126
Hydroxide .. .. .	11	26	8
Sulphate .. .. .	80	128	87
<b>Italy—</b>			
Barytes .. .. .	10	10	27
Sulphate .. .. .	1,064	724	936
Carbonate .. .. .	75	117	269
Oxide and dioxide .. .. .	311	244	245
Chloride .. .. .	666	774	648
Sulphide .. .. .	—	69	—
<b>Jugoslavia—</b>			
Barytes and witherite .. ..	15	90	—
Ground barytes .. .. .	461	308	435
Chloride .. .. .	(a)	(a)	162
<b>Latvia—</b>			
Crude and ground barytes ..	83	72	143

## IMPORTS OF BARIUM MINERALS (Cont.)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Lithuania—			
Barytes and witherite .. .. .	84	69	31
Netherlands—			
Barytes .. .. .	30,166	27,980	22,920
Poland—			
Crude barytes .. .. .	3,900	4,942	4,693
Witherite .. .. .	26	44	110
Carbonate .. .. .	36	237	126
Oxide and dioxide .. .. .	8	34	98
Sulphate .. .. .	97	189	268
Chloride .. .. .	29	107	55
Portugal—			
Dioxide .. .. .	13	16	(a)
Rumania—			
Witherite, etc. .. .. .	158	24	(a)
Chloride .. .. .	612	441	(a)
Sulphate .. .. .	312	1,249	(a)
Russia (years ended 30th Sept.)—			
Barytes .. .. .	151	—	36
Carbonate .. .. .	94	—	35
Chloride .. .. .	169	16	1
Sulphate .. .. .	33	13	—
Sweden—			
Barytes .. .. .	994	856	829
United States—			
Crude barytes .. .. .	45,550	62,745	55,147
Witherite .. .. .	3,017	2,946	2,766
Refined barytes .. .. .	2,988	2,910	3,933
Barium compounds .. .. .	10,927	6,540	6,642
Argentina—			
Barytes .. .. .	1,700	1,938	2,347
Precipitated sulphate .. .. .	59	55	31
Chile—			
Barytes .. .. .	89	97	44
Barium compounds .. .. .	7	37	62

(a) Information not available.

IMPORTS OF BARIUM MINERALS (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Uruguay—			
Dioxide .. .. .	11	4	(a)
Sulphate .. .. .	202	311	(a)
Dutch East Indies—			
Chloride .. .. .	18	15	(a)
Turkey—			
Barium compounds .. .. .	4	7	(a)

(a) Information not available.



**BISMUTH**

## PRODUCTION OF BISMUTH ORE, ETC.

(Cwt.)

Producing Country and Description	1926	1927	1928
BRITISH EMPIRE			
Northern Rhodesia— Metal .. .. .	48	—	—
Canada— Metal (from silver-cobalt ores)	58	19	125
India— Ore .. .. .	—	48 lb.	82 lb.
Australia— Ore, etc. .. .. .	165	135	152
FOREIGN COUNTRIES			
Germany (Saxony)— Bismuth-cobalt-nickel ore ..	152	(a)	(a)
Spain— Ore .. .. .	1,909	1,890	(a)
Metal .. .. .	523	416	(a)
Bolivia (exports)— Content of ore and concentrates	4,391	2,136	2,679
Japan— Metal .. . . .	506	444	633

(a) Information not available.

Bismuth was also recovered as a by-product in the refining of lead and zinc in the United States.

## EXPORTS OF BISMUTH, ETC.

*(Domestic Produce)*

(Cwt.)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom— Bismuth .. .. .	3,605	1,739	771
Australia (including re-exports)— Bismuth ore .. .. .	200	20	100
FOREIGN COUNTRIES			
France— Bismuth .. .. .	26	41	12
Bismuth salts .. .. .	301	718	384
Italy— Bismuth salts .. .. .	2	2	30
Argentina— Ore .. .. .	—	249	460
Bolivia— Ore, etc. ( <i>bismuth content</i> ) ..	4,391	2,136	2,679
Turkey— Bismuth salts .. .. .	27	51	(a)

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Bismuth ore .. .. .	2,264	2,570	1,707
Bismuth.. .. .	2,675	1,457	327
Canada—			
Bismuth.. .. .	28	24	30
Bismuth salts .. .. .	(£8,825)	(£10,272)	(£7,542)
Australia—			
Bismuth salts .. .. .	147	127	156
<b>FOREIGN COUNTRIES</b>			
France—			
Bismuth .. .. .	1,074	1,386	1,136
Bismuth salts .. .. .	2	6	10
Italy—			
Nitrate .. .. .	26	61	67
Other salts .. .. .	47	83	77
Jugoslavia—			
Bismuth ore .. .. .	(a)	(a)	16
Latvia—			
Bismuth .. .. .	1	—	—
Bismuth salts .. .. .	20	17	26
Poland—			
Bismuth.. .. .	8	26	49
Bismuth salts .. .. .	142	179	161
Portugal—			
Bismuth salts .. .. .	41	93	(a)
Rumania—			
Bismuth salts .. .. .	40	93	(a)
Russia (years ended 30th Sept.)—			
Bismuth.. .. .	118	215	1,142
Spain (b)—			
Bismuth .. .. .	2	—	20
United States—			
Bismuth.. .. .	603	426	369
Bismuth salts .. .. .	143	94	73
Chile—			
Bismuth salts .. .. .	38	59	46
Colombia—			
Bismuth .. .. .	3	(a)	(a)
Bismuth salts .. .. .	80	(a)	(a)
Peru—			
Bismuth salts .. .. .	15	16	(a)
Japan (b)—			
Bismuth.. .. .	60	141	(a)

(a) Information not available.

(b) Total imports.

**BORATES**

## PRODUCTION OF BORATES

(Long tons)

Producing Country and Description	1926	1927	1928
BRITISH EMPIRE			
India—			
Borates . . . . .	—	<i>4 cwt.</i>	<i>15 cwt.</i>
FOREIGN COUNTRIES			
Germany—			
Boracite . . . . .	43	33	29
Italy—			
Crude boric acid . . . . .	3,597	3,535	3,685
Russia (years ended Sept. 30)			
Borates . . . . .	2	3	(a)
Borax . . . . .	1,160	1,008	2,974
Boric acid . . . . .	87	770	423
United States—			
Crude borates . . . . .	103,545	97,393	117,000
Argentina (exports)—			
Borate of calcium . . . . .	1,074	1,247	49
Chile—			
Borate of calcium . . . . .	34,121	19,979	(g) 16,482
Peru—			
Borates . . . . .	524	540	(a)
Turkey—			
Borates . . . . .	18,070	17,599	14,707
Boric acid . . . . .	4,505	6,515	(a)

(a) Information not available.

(g) Exports.

EXPORTS OF BORATES  
(Domestic Produce)  
(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Borates .. .. .	8	5	9
Borax .. .. .	5,503	5,046	3,647
Boric acid .. .. .	854	1,078	1,089
India (by sea)—			
Borax .. .. .	104	78	54
FOREIGN COUNTRIES			
Austria—			
Borax .. .. .	480	360	328
Boric acid .. .. .	15	11	16
Belgium-Luxemburg E.U.—			
Borax .. .. .	741	478	391
Boric acid .. .. .	9	1	1
Czechoslovakia—			
Borax and boric acid .. .. .	29	30	9
Denmark—			
Borax and boric acid .. .. .	5	2	—
France—			
Borax .. .. .	1,575	2,745	1,096
Perborate of sodium .. .. .	101	100	218
Boric acid .. .. .	1,626	991	1,296
Germany—			
Borax and boric acid .. .. .	1,669	1,666	1,042
Italy—			
Borax .. .. .	5	2	720
Boric acid .. .. .	1,416	1,354	1,309
Netherlands—			
Borax .. .. .	7	77	199
Sweden—			
Borax .. .. .	106	1	2
Boric acid .. .. .	1	1	2
United States—			
Borax .. .. .	12,772	32,995	60,582
Boric acid .. .. .	632	—	1,510
Argentina—			
Borate of calcium .. .. .	1,074	1,247	49
Chile—			
Borate of calcium .. .. .	33,888	24,666	16,482
Peru—			
Borates .. .. .	523	267	(a)
Turkey (h)—			
Borates .. .. .	6,772	4,410	(a)

(a) Information not available.

(h) Imports into the United Kingdom and France from Turkey.

## IMPORTS OF BORATES

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Borates .. .. .	12,034	14,018	16,473
Borax .. .. .	2,893	5,768	7,258
Boric acid .. .. .	2,079	2,189	1,571
Irish Free State—			
Boric acid .. .. .	43	13	26
Southern Rhodesia—			
Borax .. .. .	32	25	33
Boric acid .. .. .	2	2	2
Union of South Africa—			
Borax .. .. .	272	227	246
Boric acid .. .. .	71	64	66
Canada—			
Borax .. .. .	1,335	1,141	993
Boric acid .. .. .	304	271	443
India (total imports)			
Borax and boric acid .. .. .	3,416	1,310	1,091
Australia—			
Borax .. .. .	1,243	1,163	982
Boric acid .. .. .	404	321	308
New Zealand—			
Borax .. .. .	141	205	160
Boric acid .. .. .	71	47	36
FOREIGN COUNTRIES			
Austria—			
Borax .. .. .	1,397	1,518	1,101
Boric acid .. .. .	5	2	3
Belgium-Luxemburg E.U.—			
Borax .. .. .	2,425	1,974	3,309
Boric acid .. .. .	185	177	262
Bulgaria—			
Borax and boric acid .. .. .	10	15	(a)
Czechoslovakia—			
Borax .. .. .	2,063	2,968	3,731
Boric acid .. .. .	27	61	183
Denmark—			
Borates .. .. .	118	90	—
Borax and boric acid .. .. .	70	81	63

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Estonia—			
Refined borax and boric acid..	10	9	14
Finland—			
Borax .. .. .	84	87	102
Boric acid .. .. .	26	27	26
France—			
Borax .. .. .	11,044	7,532	14,088
Perborate of sodium .. .. .	57	268	116
Boric acid .. .. .	45	79	524
Germany—			
Borates .. .. .	14,962	18,073	17,581
Borax .. .. .	2,001	5,207	7,556
Hungary—			
Crude borax .. .. .	143	109	123
Boric acid .. .. .	23	30	3
Italy—			
Borax .. .. .	492	273	280
Boric acid .. .. .	4	5	2
Jugoslavia—			
Borax and boric acid .. .. .	256	417	573
Latvia—			
Borax and boric acid .. .. .	39	37	45
Lithuania—			
Crude borax and boric acid ..	19	18	15
Netherlands—			
Borax .. .. .	1,113	1,363	1,819
Norway—			
Borax .. .. .	64	50	60
Boric acid .. .. .	14	21	27
Poland—			
Boron minerals .. .. .	604	916	1,585
Borax .. .. .	611	1,334	738
Boric acid .. .. .	8	10	15
Portugal—			
Borax .. .. .	283	306	(a)
Boric acid .. .. .	21	19	(a)
Rumania—			
Borax .. .. .	307	257	(a)
Boric acid .. .. .	68	70	(a)
Russia (years ended 30th Sept.)—			
Crude borates .. .. .	3,643	2,730	2,702
Borax .. .. .	150	130	3
Boric acid .. .. .	137	229	1
Spain (total imports)—			
Boric acid .. .. .	4	5	62

(a) Information not available.

IMPORTS OF BORATES (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Sweden—			
Borax .. .. .	606	574	608
Boric acid .. .. .	111	132	119
Switzerland—			
Borax .. .. .	264	333	427
Egypt—			
Borax .. .. .	33	46	60
Tunis (total imports)—			
Borax .. .. .	10	6	7
United States—			
Borates .. .. .	4,104	7,000	4,500
Boric acid .. .. .	80	60	181
Argentina—			
Borax .. .. .	14	15	20
Boric acid .. .. .	12	7	4
Chile—			
Borax .. .. .	72	59	78
Boric acid .. .. .	12	15	10
Colombia—			
Borax .. .. .	26	(a)	(a)
Boric acid .. .. .	36	(a)	(a)
Peru—			
Borax .. .. .	14	16	(a)
Boric acid .. .. .	23	21	(a)
Uruguay—			
Borax .. .. .	5	44	(a)
China—			
Borax .. .. .	493	457	926
Boric acid .. .. .	153	70	93
Dutch East Indies—			
Borax .. .. .	12	21	(a)
French Indo-China—			
Refined borax .. .. .	105	119	107
Boric acid .. .. .	6	5	(a)
Japan (total imports)—			
Borax .. .. .	3,348	3,582	4,812
Boric acid .. .. .	1,018	822	864
Turkey—			
Boric acid .. .. .	11	11	(a)

(a) Information not available



## CADMIUM

### PRODUCTION OF CADMIUM

(Lb. avdp.)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Canada .. .. .	—	—	491,894
Australia .. .. .	358,912	346,773	385,616
<b>FOREIGN COUNTRIES</b>			
Belgium (exports) ..	661	7,055	11,464
France .. .. .	20,000	(b) 60,480	(a)
Germany (estimated) ..	100,000	100,000	100,000
Poland .. .. .	11,574	13,558	9,288
United States—			
Metal .. .. .	810,428	1,074,654	1,875,896
Compounds (metal content) .. .. .	166,600	229,000	239,920
Mexico .. .. .	—	200,122	779,433

(a) Information not available.

(b) Estimated.

### EXPORTS OF CADMIUM, ETC.

(Domestic Produce)

(Lb. avdp.)

Exporting Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	17,483	22,879	1,693
Australia (including re-exports) .. .. .	348,768	311,696	492,912
<b>FOREIGN COUNTRIES</b>			
Belgium-Luxemburg E. U.	661	7,055	11,464
France .. .. .	441	12,346	29,542
Poland .. .. .	25,573	11,684	4,189
Mexico .. .. .	—	200,122	779,433

(a) Information not available.

## IMPORTS OF CADMIUM

*(Less Re-exports)*

(Lb. avdp.)

Importing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	183,938	87,702	143,005
<b>FOREIGN COUNTRIES</b>			
Belgium-Luxemburg E.U.	2,425	1,323	13,669
France .. .. .	139,110	29,321	165,567
Latvia .. .. .	20	—	—
Poland .. .. .	220	1,323	3,307
United States .. ..	—	22,400	233,101
Argentina (cadmium salts)	(a)	46	108
Chile (cadmium salts) ..	48	31	348
Peru (including cadmium salts) .. .. .	—	2	(a)
Turkey—			
Cadmium .. .. .	37	390	(a)
Cadmium salts .. ..	35	57	(a)

*(a)* Information not available.

## CHINA CLAY

## PRODUCTION OF CHINA CLAY

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	825,954	869,232	787,296
Uganda .. .. .	28	(a)	(a)
Canada .. .. .	—	21	4
India .. .. .	15,926	23,644	(a)
Unfederated Malay States	337	824	985
Australia .. .. .	8,101	13,942	(a)
FOREIGN COUNTRIES			
Bulgaria .. .. .	(a)	(a)	2,699
Belgium (j) .. .. .	5,364	10,846	(a)
Czechoslovakia (estimated)	400,000	400,000	400,000
Denmark—			
Crude .. .. .	2,885	9,700	30,600
Washed or pressed ..	1,667	5,400	9,100
France .. .. .	137,425	(a)	(a)
Germany (Bavaria) ..	414,806	380,112	(a)
Italy .. .. .	19,580	20,270	27,732
Portugal .. .. .	2,704	3,787	(a)
Rumania (i) .. .. .	6,596	7,916	7,186
Russia (years ended Sept.30)	134,162	50,840	(a)
Spain .. .. .	307	(m) 7,093	(a)
Algeria .. .. .	2,000	2,500	2,500
United States (k) .. ..	385,906	405,576	442,984
Chile .. .. .	346	346	(a)
Japan—			
Porcelain stones and earth .. .. .	391,237	395,463	(a)
Clay for paper manufac- ture .. .. .	33,492	68,701	(a)
Korea .. .. .	2,419	(a)	(a)

(a) Information not available.

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

(j) "Eurite" and kaolin.

(k) Sales of china clay and "paper clay."

(m) Including 2,550 cubic metres produced in quarries during 1927, converted at the rate of 1 cubic metre = 2 long tons.

## EXPORTS OF CHINA CLAY

*(Domestic Produce)*

(Long tons)

Exporting Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom ( <i>h</i> ) ..	651,990	655,836	597,524
FOREIGN COUNTRIES			
Austria .. .. .	7,794	7,399	10,867
Belgium-Luxemburg E.U.	3,610	3,949	2,721
Bulgaria (including other clays) .. .. .	302	444	( <i>a</i> )
Czechoslovakia .. .. .	216,792	274,946	303,436
Denmark .. .. .	904	545	2,937
France .. .. .	8,936	8,667	9,969
Germany (including reparations) .. .. .	34,071	45,294	54,775
Italy .. .. .	42	181	102
Jugoslavia .. .. .	3	702	90
Netherlands .. .. .	147	255	420
Poland .. .. .	97	30	109
Rumania .. .. .	59	581	( <i>a</i> )
Russia .. .. .	32	2,055	5,804
Sweden .. .. .	89	104	592
Switzerland (including other clays) .. .. .	7,784	7,713	9,966
Algeria .. .. .	1,641	1,645	( <i>a</i> )
Chile .. .. .	4	1	2

*(a)* Information not available.*(c)* Including re-exports.*(h)* Including Cornish or china stone.

## IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom ( <i>h</i> ) ..	1,043	1,514	1,166
Union of South Africa ( <i>h</i> )	20	43	79
Canada .. .. .	16,095	18,787	20,641
Newfoundland ( <i>c</i> ).. ..	6,799	991	3,540
India (total imports <i>by sea</i> )	23,156	32,201	9,295
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	17,333	21,226	19,331
Belgium-Luxemburg E.U.	63,918	65,762	54,247
Bulgaria (including other clays) .. .. .	45	97	( <i>a</i> )
Czechoslovakia .. .. .	2,313	4,525	6,367
Denmark—			
Crude .. .. .	999	1,561	1,058
Refined .. .. .	4,018	4,857	4,851
Finland .. .. .	12,490	20,662	15,328
France .. .. .	56,665	51,407	62,991
Germany .. .. .	210,431	271,844	293,088
Italy .. .. .	39,333	34,599	36,564
Jugoslavia .. .. .	( <i>a</i> )	3,778	4,154
Netherlands .. .. .	48,162	61,915	72,347
Poland .. .. .	20,969	29,175	26,458
Portugal .. .. .	317	203	( <i>a</i> )
Rumania .. .. .	1,788	6,302	( <i>a</i> )
Spain ( <i>b</i> ) ( <i>i</i> ) .. .. .	15,571	19,744	18,444
Sweden .. .. .	25,377	26,757	25,793
Switzerland (including other clays) .. .. .	68,531	89,275	97,142
United States .. .. .	353,746	302,693	274,472
Colombia .. .. .	7	( <i>a</i> )	( <i>a</i> )
Uruguay .. .. .	35	66	( <i>a</i> )
Argentina .. .. .	987	1,402	2,128
Dutch East Indies .. .. .	109	825	( <i>d</i> ) 947
French Indo-China .. .. .	253	344	( <i>a</i> )

(a) Information not available.

(b) Total imports.

(c) Years ended June 30 of year stated.

(d) Java and Madura only.

(h) Including Cornish or china stone.

(i) Including carbonate of lime.

**CHROME ORE AND CHROMIUM**

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	—	378	—
Southern Rhodesia ..	161,780	194,659	195,918
Union of South Africa ..	11,852	16,691	31,255
Cyprus (shipments) ..	640	712	—
India .. .. .	33,382	57,207	45,455
Australia .. .. .	597	—	—
Total ..	208,000	270,000	273,000
<b>FOREIGN COUNTRIES</b>			
Greece .. .. .	19,732	17,041	20,622
Jugoslavia .. .. .	15,731	8,619	16,417
Russia (years ended Sept.30)	29,882	18,989	21,620
Cuba .. .. .	(h) 35,536	16,027	28,650
Guatemala (h) .. ..	53	—	(a)
United States .. .. .	194	50	660
Brazil (exports) .. ..	1,476	1,791	20
Japan .. .. .	5,552	9,628	9,653
Turkey .. .. .	6,343	18,029	11,662
New Caledonia .. .. .	34,000	(g) 42,208	(g) 55,802
Total ..	150,000	130,000	160,000
<b>WORLD'S TOTAL</b>	<b>360,000</b>	<b>400,000</b>	<b>430,000</b>

(a) Information not available.

(g) Exports.

(h) Imports into the United States from the country specified.

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

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Ore .. .. .	10	202	231
Chromates of potash .. .. .	931	1,537	1,412
Chromates of soda .. .. .	1,644	1,429	2,072
Southern Rhodesia—			
Ore .. .. .	155,139	160,890	162,269
Cyprus—			
Ore .. .. .	516	700	—
India ( <i>h</i> ) ( <i>by sea</i> )—			
Ore .. .. .	29,614	20,996	31,209
Australia (including re-exports)—			
Ore .. .. .	35	—	—
<b>FOREIGN COUNTRIES</b>			
Austria—			
Chrome alum and sulphate ..	191	332	175
Chromate of potash and soda	3	4	3
Belgium-Luxemburg E.U.—			
Chromates of potash and soda	1,723	1,414	1,629
Czechoslovakia—			
Ore .. .. .	—	114	—
Chromates of potash and soda	30	39	43
France—			
Chromates of potash and soda	56	354	33
Germany (including reparations)—			
Chrome and nickel ore ..	20	362	93
Chromates of potash and soda, and oxides of chromium ..	6,819	6,739	8,512

(*h*) Excluding chrome ore mined in British India, but exported via the Portuguese port of Mormugao—1926, 10,337 tons—1927, 21,957 tons—1928, 14,099 tons.

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Greece—			
Ore .. .. .	19,452	15,757	67,624
Italy—			
Chromates of potash, soda and ammonia .. .. .	67	—	—
Jugoslavia—			
Ore .. .. .	(a)	9,910	9,102
Netherlands—			
Chromium compounds ..	(a)	12	16
Norway—			
Ore .. .. .	17	—	—
Ferro-chrome .. .. .	2,163	3,947	2,757
Poland—			
Ore .. .. .	55	—	—
Russia (years ended Sept. 30)—			
Ore .. .. .	—	2,292	2,958
Sweden—			
Chromates of potash and soda	14	6	9
United States—			
Bichromate of potash .. ..	57	(a)	(a)
Chromates of soda .. .. .	3,807	3,976	3,880
Brazil—			
Ore .. .. .	1,476	1,791	20
Turkey—			
Chromium compounds ..	—	3,150	(a)
New Caledonia—			
Ore .. .. .	23,220	42,208	55,803

(a) Information not available.



## IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Ore .. .. .	6,745	16,536	22,373
Chromates of potash .. .. .	102	102	60
Chromates of soda .. .. .	2,345	2,558	2,520
Canada—			
Bichromate of potash .. .. .	65	86	87
Bichromate of soda .. .. .	797	920	934
India (total imports <i>by sea</i> )—			
Bichromate of potash .. .. .	298	339	282
Bichromate of soda .. .. .	495	691	842
Australia —			
Ore .. .. .	1,040	18	18
Bichromate of potash .. .. .	2	6	2
<b>FOREIGN COUNTRIES</b>			
Austria—			
Chrome alum and sulphate .. .. .	81	96	57
Chromate of potash and soda .. .. .	265	328	415
Belgium-Luxemburg E. U.—			
Chromates of potash and soda .. .. .	515	391	426
Czechoslovakia—			
Ore .. .. .	1,994	3,502	2,405
Chromates of potash and soda .. .. .	1	—	1
Denmark—			
Chromate of potash .. .. .	10	12	14
Chromate of soda .. .. .	52	75	83
Estonia—			
Chromates .. .. .	6	9	16
Finland—			
Chromates of potash .. .. .	61	52	57
Chromates of soda .. .. .	11	18	23
Chrome alum and sulphate .. .. .	29	45	38
France—			
Chromates of potash and soda .. .. .	3,059	2,020	3,117
Germany—			
Ore .. .. .	21,116	36,589	45,873
Chromates of potash and soda, and oxides of chromium .. .. .	551	628	207
Hungary—			
Chromates of potash, soda and ammonia .. .. .	148	323	245

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Italy—			
Chromates of potash, soda and ammonia .. .. .	283	491	471
Jugoslavia—			
Chromium .. .. .	(a)	5	21
Chromates of potash and soda	(a)	(a)	21
Latvia—			
Chrome alum .. .. .	89	106	92
Chromates of potash and soda	6	10	13
Netherlands—			
Chromium compounds ..	(a)	1,106	1,252
Norway—			
Ore .. .. .	4,170	6,907	12,440
Poland—			
Ore .. .. .	54	240	46
Chrome alum .. .. .	421	356	89
Chromates .. .. .	480	824	570
Portugal—			
Chromate of potash .. ..	20	16	(a)
Chromate of soda .. ..	11	17	(a)
Chrome alum .. .. .	10	35	(a)
Rumania—			
Chromates .. .. .	176	(a)	(a)
Russia (years ended 30th Sept.)—			
Chromates of potash .. ..	451	136	16
Sweden—			
Ore .. .. .	11,898	21,920	27,634
Chromates of potash and soda	216	200	281
Chrome alum .. .. .	479	404	414
Egypt—			
Bichromate of potash and soda	317	353	427
United States—			
Ore .. .. .	215,464	222,360	216,592
Metals and alloys .. ..	526	470	716
Argentina—			
Bichromate of potash .. ..	62	80	119
Bichromate of soda .. ..	164	165	127
Chile—			
Bichromate of potash .. ..	46	37	45
Japan (total imports)—			
Bichromate of potash .. ..	351	430	446
Bichromate of soda .. ..	1,186	822	1,339
Turkey—			
Chromium compounds.. ..	32	32	(a)

(a) Information not available.

## COAL, COKE AND BY-PRODUCTS.

PRODUCTION OF COAL  
(Including Brown Coal and Lignite)  
(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Anthracite .. ..	2,876,655	6,346,890	5,521,570
Bituminous .. ..	(m) 123,401,866	244,885,446	231,950,361
Lignite .. ..	(a)	502	640
Irish Free State—			
Anthracite .. ..	59,834	} (a)	(a)
Semi-bituminous .. ..	18,622		
Nigeria .. ..	324,575	357,899	359,316
Southern Rhodesia .. ..	860,338	894,396	1,077,557
Union of South Africa .. ..	12,745,492	12,381,692	12,407,539
Canada—			
Bituminous .. ..	11,065,249	11,613,389	11,580,241
Sub-bituminous .. ..	437,264	532,281	661,157
Lignite .. ..	3,210,104	3,414,027	3,432,078
British Borneo—			
State of North Borneo	71,638	62,701	60,779
Sarawak .. ..	19,683	(a)	(a)
Federated Malay States	464,284	463,001	556,590
India—			
Gondwana Coalfields	20,583,202	21,664,488	22,153,314
Tertiary Coalfields .. ..	415,965	417,848	389,558
Australia—			
Bituminous coal .. ..	13,275,003	13,522,960	11,839,780
Lignite .. ..	957,935	1,455,482	1,591,858
New Zealand—			
Bituminous .. ..	1,196,388	1,290,529	1,348,732
Brown coal .. ..	905,825	954,436	973,238
Lignite .. ..	137,786	121,775	114,783
Total ..	193,000,000	320,000,000	306,000,000
<b>FOREIGN COUNTRIES</b>			
Albania—			
Lignite .. ..	1,553	(a)	(a)
Austria—			
Bituminous .. ..	154,824	172,828	198,906
Brown coal .. ..	2,911,015	3,015,675	3,211,042
Belgium—			
Anthracite and semi-anthracite .. ..	5,247,611	5,899,589	} 27,107,780
Bituminous .. ..	19,613,048	21,216,242	
Bulgaria—			
Anthracite .. ..	} 1,186,713	2,614	1,183
Bituminous .. ..		65,485	67,255
Lignite .. ..		1,150,000	1,339,298

(a) Information not available.

(m) Including a small quantity of anthracite mined in the Fife and Clackmannan districts.

## PRODUCTION OF COAL (Cont.)

Producing Country	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Bituminous .. ..	13,953,092	13,794,932	14,330,345
Brown coal .. ..	18,223,237	19,310,756	20,128,419
France—			
Saar .. ..	13,464,803	13,391,097	12,899,716
Other districts—			
Anthracite and bituminous .. ..	50,579,865	50,960,760	50,554,526
Lignite .. ..	1,044,363	1,050,434	1,046,891
Germany—			
Bituminous .. ..	143,000,979	151,173,466	148,492,939
Brown coal .. ..	136,952,867	148,126,913	163,598,878
Greece—			
Lignite .. ..	150,899	141,082	118,734
Hungary—			
Bituminous .. ..	813,846	773,447	770,908
Brown coal .. ..	5,561,158	5,983,940	6,240,930
Lignite .. ..	169,185	160,839	164,838
Italy—			
Anthracite .. ..	15,460	16,573	10,676
Bituminous .. ..	190,495	149,293	115,590
Brown coal .. ..	1,162,684	898,047	686,024
Jugoslavia—			
Bituminous .. ..	187,800	283,184	351,826
Brown coal .. ..	2,965,800	3,433,470	3,608,130
Lignite .. ..	921,754	954,586	1,012,136
Netherlands—			
Bituminous .. ..	8,471,616	9,175,868	10,747,587
Brown coal .. ..	207,858	198,201	193,589
Poland—			
Bituminous .. ..	35,182,768	37,482,601	39,974,905
Brown coal .. ..	74,825	77,225	72,398
Portugal—			
Anthracite .. ..	197,353	174,520	(a)
Bituminous .. ..	3,546	1,300	(a)
Brown coal .. ..	30,760	25,307	(a)
Rumania—			
Bituminous .. ..	317,102	367,559	391,285
Lignite .. ..	2,688,224	2,804,999	2,588,144
Russia (years ended Sept. 30)—			
European—			
Anthracite .. ..	5,279,743	6,979,046	} 34,657,125
Bituminous .. ..	15,009,393	18,565,382	
Brown coal .. ..	1,579,973	1,735,349	
Asiatic—			
Bituminous .. ..	2,830,323	3,891,329	
Lignite .. ..	676,788	855,533	

## PRODUCTION OF COAL (Cont.)

Producing Country	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Spain—			
Anthracite .. ..	396,494	423,106	406,906
Bituminous .. ..	6,036,364	6,036,177	5,683,532
Brown coal .. ..	393,515	422,817	352,848
Spitzbergen and Bear Island .. ..			
.. ..	(g) 286,531	308,000	(a)
Sweden .. ..	377,613	392,007	352,851
Algeria .. ..	13,514	20,932	16,368
Belgian Congo .. ..	88,800	86,000	88,000
Portuguese East Africa .. ..	10,696	15,584	(a)
Greenland .. ..	1,500	2,900	2,500
Mexico .. ..	1,288,462	1,015,020	999,787
United States—			
Anthracite .. ..	75,390,582	71,513,896	67,275,062
Bituminous and lignite .. ..	511,934,807	462,288,707	447,093,723
Brazil .. ..	400,000	231,294	246,327
Chile .. ..	1,466,968	1,458,113	(a)
Colombia (estimated) .. ..	100,000	100,000	100,000
Peru .. ..	168,063	159,806	(a)
Venezuela .. ..	15,676	15,850	(a)
China (estimated) .. ..	22,000,000	18,000,000	(a)
Dutch East Indies .. ..	1,443,200	1,594,616	(a)
Formosa .. ..	1,766,169	1,772,005	1,513,000
French Indo-China—			
Anthracite .. ..	1,226,943	1,422,083	1,883,409
Bituminous .. ..	37,428	38,041	39,826
Brown coal .. ..	5,510	7,038	15,228
Japan—			
Semi-anthracite .. ..	128,322	141,181	} 33,325,406
Bituminous .. ..	30,801,888	32,859,856	
Brown coal .. ..	158,589	175,792	
Karafuto .. ..	271,463	351,407	(a)
Korea .. ..	672,111	723,000	(a)
Philippine Islands .. ..	47,912	23,040	(a)
Turkey—			
Bituminous .. ..	1,203,081	(b) 881,922	(b) 908,819
Lignite .. ..	12,014	(b) 10,388	(b) 9,105
New Caledonia .. ..	15,000	(a)	(a)
Total .. ..	1,150,000,000	1,130,000,000	1,120,000,000
WORLD'S TOTAL	1,340,000,000	1,450,000,000	1,430,000,000

(a) Information not available.

(b) Ereğli-Zonguldak only.

(g) Exports.

PRODUCTION OF COKE  
(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Great Britain—			
Gas works .. ..	11,598,249	12,364,005	12,215,839
Coke ovens .. ..	4,714,748	11,837,135	11,845,210
Irish Free State .. ..	80,376	(a)	(a)
Southern Rhodesia .. ..	150,653	144,646	137,513
Union of South Africa .. ..	79,044	96,698	92,604
Canada—			
Gas works .. ..	420,621	396,256	} 2,060,828
Coke ovens .. ..	1,389,252	1,413,064	
British Borneo—			
Sarawak .. ..	86	(a)	(a)
India (h)—			
Hard .. ..	29,628	42,445	(a)
Soft .. ..	515,665	608,612	(a)
Australia—			
Gas works—			
New South Wales (e)	411,790	411,632	429,654
Victoria (e) .. ..	273,773	283,998	291,077
Queensland (e) .. ..	57,488	58,049	57,247
South Australia (e) .. ..	58,129	64,655	63,779
Western Australia .. ..	(k) 10,478	(e) 8,178	(e) 9,693
Tasmania .. ..	6,108	6,241	5,555
Coke works—			
New South Wales (e)	890,444	674,972	896,877
Queensland .. ..	15,745	4,815	3,073
FOREIGN COUNTRIES			
Austria (Gas works) .. ..	468,940	521,888	(a)
Belgium .. ..	4,996,771	5,787,104	5,832,997
Bulgaria (metallurgical) .. ..	1,557	1,425	884
Czechoslovakia .. ..	1,930,778	2,390,228	2,776,861
France—			
Saar .. ..	2,106,000	(a)	(a)
Other districts—			
Metallurgical .. ..	6,799,000	(a)	(a)
Gas works .. ..	2,416,810	3,981,971	4,330,441
Germany .. ..	27,303,791	33,178,766	33,328,256
Hungary (metallurgical) .. ..	(a)	450	1,055
Italy (metallurgical) .. ..	582,186	569,309	(a)
Netherlands—			
Gas works .. ..	800,000	850,000	(a)
Coke ovens .. ..	1,179,679	1,455,466	1,514,799

## PRODUCTION OF COKE (Cont.)

Producing Country	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Poland .. .. .	1,095,796	1,379,865	1,641,564
Russia (years ended Sept.30)	2,729,900	3,361,475	3,866,609
Spain (incomplete figures)			
Metallurgical .. .. .	} 819,066	702,962	(a)
Gas works .. .. .		158,709	(a)
Sweden .. .. .	316,614	334,149	(a)
Algeria .. .. .	34,576	(a)	(a)
United States (l) .. .. .	50,772,801	45,617,985	47,148,061
Peru .. .. .	23,179	(a)	(a)
China (exports) .. .. .	14,321	12,784	13,987
Formosa .. .. .	13,930	(a)	(a)
French Indo-China .. .. .	2,524	(a)	(a)
Japan .. .. .	1,019,056	1,068,859	(a)
Korea .. .. .	117,453	128,297	(a)

(a) Information not available.

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

(h) Coke made at collieries only.

(k) Eighteen months ended 30th June, 1926.

(l) Excluding gasworks coke.

## PRODUCTION OF COAL BRIQUETTES

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Great Britain .. ..	837,335	1,478,326	1,133,084
FOREIGN COUNTRIES			
Belgium .. ..	2,108,820	1,662,295	1,930,029
Czechoslovakia—			
Coal briquettes .. ..	178,925	157,989	211,223
Brown-coal briquettes ..	194,096	208,425	237,365
France .. ..	6,045,345	3,842,499	3,997,687
Saar .. ..	734	280	(a)
Germany—			
Coal briquettes .. ..	5,808,385	5,467,247	4,829,481
Brown-coal briquettes ..	33,815,405	35,913,593	39,524,230
Greece—			
Brown-coal briquettes ..	—	85	(a)
Hungary—			
Coal briquettes .. ..	21,502	18,358	20,536
Brown-coal briquettes ..	36,406	21,623	34,742
Jugoslavia .. ..	(a)	43,202	27,146
Netherlands—			
Coal briquettes .. ..	664,738	651,751	970,358
Brown-coal briquettes ..			68,000
Poland .. ..	235,316	248,787	260,187
Spain .. ..	675,861	790,442	539,486
Algeria .. ..	56,535	(a)	(a)
United States .. ..	888,689	866,489	845,913
Venezuela .. ..	2,361	2,261	(a)
French Indo-China .. ..	95,917	117,864	(a)
Dutch East Indies .. ..	94,640	(a)	(a)

(a) Information not available.



## PRODUCTION OF COAL BY-PRODUCTS

Producing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE				
Great Britain—				
Tar .. .. .	Long ton	1,355,776	1,779,269	1,851,240
Ammonium salts expressed as sulphate (25½ per cent. NH <sub>3</sub> ) .. .. .	do.	323,492	473,445	622,242
Pitch .. .. .	do.	348,388	506,628	487,190
Benzol (refined) ..	Gallon	9,000,000	26,000,000	28,000,000
Irish Free State—				
Tar .. .. .	Long ton	8,706	} (a)	} (a)
Ammonium sulphate	do.	1,267		
Pitch .. .. .	do.	627		
Coal-tar oils .. .. .	do.	997		
Naphtha and naphthalene .. .. .	£	709		
Other distillation products .. .. .	Long ton	2,242		
Union of South Africa—				
Tar .. .. .	Gallon	433,123	477,956	529,898
Ammonium sulphate ..	Long ton	896	843	942
Canada—				
Tar and tar products ..	Gallon	23,917,985	25,647,309	(a)
Light oils .. .. .	do.	3,269,432	2,965,583	(a)
Ammonium sulphate ..	Long ton	21,120	24,708	28,090
Ammonia liquor (NH <sub>3</sub> ) .	do.	1,531	529	(a)
India—				
Ammonium sulphate ..	Long ton	(a)	13,451	15,082
Australia—				
New South Wales (e)—				
Tar .. .. .	Gallon	11,770,131	11,845,283	12,396,984
Ammonium sulphate	Long ton	6,066	11,123	6,546
Victoria (e)—				
Tar .. .. .	Gallon	6,758,210	7,103,891	6,784,000
Ammonium sulphate	Long ton	—	3,591	3,441
Queensland—				
Tar (e) .. .. .	Gallon	971,909	1,077,564	1,104,351
South Australia (e)—				
Tar .. .. .	Gallon	1,463,165	1,939,729	1,757,735
Ammonium sulphate	Long ton	1,100	992	1,176

(a) Information not available.

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

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

Producing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE (Cont.)				
Western Australia— Tar .. .. .	Gallon	(m) 448,465	317,723	397,914
Tasmania (e)— Tar .. .. .	Gallon	262,208	171,282	114,555
FOREIGN COUNTRIES				
Austria— Ammonium sulphate ..	Long ton	4,781	4,799	4,943
Belgium— Tar .. .. .	Long ton	144,565	177,098	(a)
Ammonium sulphate ..	do.	64,279	80,498	(a)
Benzol .. .. .	do.	30,172	39,024	(a)
Czechoslovakia— Tar .. .. .	Long ton	69,187	88,200	99,759
Ammonium sulphate ..	do.	24,382	31,716	34,446
Naphthalene .. ..	do.	722	933	1,449
Pitch .. .. .	do.	3,673	3,423	3,353
Benzol .. .. .	do.	21,158	28,510	32,663
Liquid ammonia ..	do.	142	183	197
Carbolic acid .. ..	do.	—	—	69
France— Tar .. .. .	Long ton	445,833	(n) 480,000	(n) 508,000
Ammonium sulphate ..	do.	110,925	(n) 180,000	(n) 215,000
Benzol .. .. .	do.	52,458	60,233	68,107
Pitch .. .. .	do.	133,992	(a)	(a)
Saar— Tar .. .. .	Long ton	103,000	114,000	126,000
Benzol (n) .. .. .	do.	33,000	33,000	33,000
Germany— Tar and pitch .. ..	Long ton	1,027,421	1,250,947	(a)
Ammonium sulphate and other ammoniacal salts .. .. .	do.	374,435	451,190	(a)
Benzol .. .. .	do.	240,736	301,715	(a)
Greece— Tar .. .. .	Long ton	—	60	—

(m) Eighteen months ended 30th June, 1926.

(n) Approximate.

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

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )				
Italy—				
Tar .. .. .	Long ton	15,758	18,166	(a)
Ammonium sulphate ..	do.	9,069	9,134	(a)
Benzol .. .. .	do.	1,392	1,803	(a)
Netherlands—				
Ammonium sulphate ..	Long ton	45,000	44,000	46,000
Poland—				
Tar .. .. .	Long ton	51,128	65,422	79,168
Ammonium sulphate ..	do.	17,555	26,195	36,142
Benzol .. .. .	do.	14,208	17,839	20,807
Naphthalene .. .. .	do.	1,063	1,017	1,275
Portugal—				
Ammonium sulphate ..	Long ton	148	118	(a)
Spain (incomplete figures)—				
Tar .. .. .	Long ton	25,572	40,232	(a)
Ammonium sulphate ..	do.	13,559	16,923	(a)
Benzol .. .. .	do.	7,481	8,872	(a)
Naphthalene .. .. .	do.	749	693	(a)
Creosote .. .. .	do.	3,784	3,483	(a)
Pitch .. .. .	do.	6,972	6,917	(a)
Sweden—				
Tar .. .. .	Long ton	16,681	18,564	(a)
Ammonium sulphate ..	do.	5,196	4,716	(a)
Benzol .. .. .	do.	1,838	2,108	(a)
Switzerland—				
Ammonium sulphate ..	Long ton	1,067	632	935
Algeria—				
Tar .. .. .	Long ton	3,845	(a)	(a)
Ammonium sulphate ..	do.	284	(a)	(a)
United States (coke ovens only)—				
Tar .. .. .	Gallon	441,238,645	455,716,004	526,537,306
Pitch .. .. .	Long ton	(a)	(a)	48,331
Sulphate equivalent of ammonia produced ..	do.	616,943	640,589	713,292

(a) Information not available.

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

Producing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
United States (coke ovens only) (Cont.)—				
Crude benzol .. ..	Gallon	3,953,928	} 18,339,800	17,876,457
Refined benzol .. ..	do.	14,761,587		
Motor fuel .. ..	do.	75,024,977	72,496,119	85,876,583
Crude naphthalene ..	Long ton	3,458	3,706	} 5,438
Refined naphthalene ..	do.	62	(a)	
Crude toluol .. ..	Gallon	360,264	} 10,077,992	13,414,880
Refined toluol .. ..	do.	6,965,946		
Solvent naphtha .. ..	do.	3,920,463	4,149,780	4,656,142
Crude light oils (j) ..	do.	136,716,293	137,073,528	157,164,963
Creosote .. ..	do.	(a)	(a)	10,321,667
Phenol .. ..	do.	(a)	(a)	48,162
Japan—				
Tar .. ..	Long ton	120,000	120,000	120,000
Ammonium sulphate ..	do.	144,694	180,000	270,800
Naphthalene .. ..	do.	1,565	2,637	(a)
Creosote .. ..	do.	(a)	(a)	33,000

(a) Information not available.

(j) The greater proportion of this production was refined to make the derived products listed.

## EXPORTS OF COAL, COKE AND BY-PRODUCTS

*(Domestic Produce)*

Exporting Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE				
United Kingdom—				
Anthracite—				
small and sized .. ..	Long ton	986,424	2,104,123	2,277,509
large .. ..	do.	351,005	1,025,423	879,846
Bituminous—				
small and sized .. ..	do.	5,175,126	13,077,754	13,361,766
unscreened .. ..	do.	4,594,450	12,287,534	12,927,647
large .. ..	do.	9,489,367	22,654,359	20,608,350
bunkers .. ..	do.	7,587,793	16,836,385	16,729,313
Coke .. ..	do.	763,679	1,802,252	2,596,515
Manufactured fuel .. ..	do.	502,805	1,348,861	1,032,166
Ammonium sulphate .. ..	do.	161,553	265,325	393,422
Ammonium chloride .. ..	do.	3,308	4,693	4,271
Tar .. ..	do.	11,045	18,637	30,046
Pitch .. ..	do.	333,192	264,650	232,585
Heavy coal-tar oils .. ..	Gallon	35,864,045	40,732,577	41,809,638
Naphthalene .. ..	Long ton	687	565	2,291
Anthracene .. ..	do.	645	87	67
Carbolic acid .. ..	do.	5,905	7,382	12,872
Benzol .. ..	Gallon	420,820	1,970,383	3,924,738
Toluol .. ..	do.	160	283	27,457
Naphtha .. ..	do.	66,726	63,297	82,575
Coal-tar dyes .. ..	Long ton	2,685	3,393	4,633
Other tar products .. ..	do.	23,499	39,905	42,932
Irish Free State—				
Coke .. ..	Long ton	6,793	20,520	20,037
Tar and pitch .. ..	do.	413	617	365
Malta—				
Shipped as bunkers on merchant ships .. ..	Long ton	190,259	163,928	143,558
Coke .. ..	do.	292	640	1,175
Tar .. ..	do.	167	157	118
Nigeria—				
Coal .. ..	Long ton	20,428	3,801	32,995
Sierra Leone—				
Coal (bunkers) .. ..	Long ton	17,512	17,539	25,616
Southern Rhodesia—				
Coal .. ..	Long ton	296,442	237,721	597,698
Coke and patent fuel .. ..	do.	136,646	125,724	162,741

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

Exporting Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>				
Union of South Africa—				
Coal .. .. .	Long ton	2,101,851	1,611,146	1,471,562
ditto (bunkers) ..	do.	1,750,727	1,642,706	1,475,629
Coke and patent fuel ..	do.	9,188	4,850	16,556
Ammonium sulphate ..	do.	325	38	—
Canada—				
Coal .. .. .	Long ton	918,036	994,045	771,376
Coke .. .. .	do.	54,683	81,726	40,103
Ammonium sulphate ..	do.	14,627	15,131	12,171
Tar and pitch .. ..	Gallon	4,642,453	2,914,642	3,572,781
Creosote oil .. .. .	do.	1,773,268	3,472,566	1,150,766
West Indies—				
Barbados—				
Coal (bunkers) ..	Long ton	32,702	26,937	(a)
St. Lucia—				
Coal (bunkers) ..	Long ton	37,968	19,611	24,902
Trinidad and Tobago—				
Coal (bunkers) ..	Long ton	41,529	42,578	62,137
Aden—				
Coal .. .. .	Long ton	934	56	68
British Borneo—				
Brunei—				
Coal .. .. .	Long ton	—	52	25
Sarawak—				
Coke .. .. .	Long ton	29	7	8
British Malaya (including re-exports)—				
Coal .. .. .	Long ton	15,318	4,728	2,540
ditto (bunkers) ..	do.	559,728	529,997	571,433
Coke .. .. .	do.	1,291	1,973	7,682
Tar .. .. .	do.	404	486	1,960
Ceylon—				
Coal (bunkers) ..	Long ton	527,082	533,761	500,652
India ( <i>by sea</i> )—				
Coal .. .. .	Long ton	616,424	573,833	622,870
ditto (bunkers) ..	do.	1,440,000	1,313,000	(a)
Coke .. .. .	do.	1,139	2,334	3,473

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

Exporting Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>				
Australia (including re-exports)—				
Coal .. .. .	Long ton	871,219	609,304	398,028
ditto (bunkers) ..	do.	1,023,076	1,000,000	800,000
Coke .. .. .	do.	38,839	39,917	22,411
Ammonium sulphate ..	do.	5,756	4,711	2,314
Tar and pitch .. ..	do.	2,662	3,786	3,165
Benzene and benzol ..	Gallon	844	162,844	160,622
New Zealand—				
Coal .. .. .	Long ton	18,476	3,294	5,709
ditto (bunkers) ..	do.	164,532	140,146	120,062
Coke .. .. .	do.	230	19	20
Tar .. .. .	do.	33	24	7
Liquid ammonia ..	£	567	225	157
<b>FOREIGN COUNTRIES</b>				
Austria—				
Coal .. .. .	Long ton	2,805	3,953	4,321
Brown coal .. .. .	do.	46,931	17,103	9,835
Coke .. .. .	do.	143,836	140,669	59,878
Briquettes .. .. .	do.	254	275	305
Ammonium sulphate ..	do.	1,187	1,335	1,970
Ammonium chloride ..	do.	9	6	2
Liquid ammonia .. ..	do.	14	10	6
Tar .. .. .	do.	5,421	4,693	6,454
Tar pitch .. .. .	do.	3,584	2,981	1,425
Tar oils .. .. .	do.	3,587	4,444	3,642
Naphthalene .. .. .	do.	249	316	516
Creosote oil, etc... ..	do.	39	42	15
Aniline oil and salts ..	do.	3	—	—
Coal-tar dyes .. .. .	do.	83	38	33
Belgium-Luxemburg E.U.				
Coal .. .. .	Long ton	3,309,559	2,787,378	3,863,343
ditto (bunkers) ..	do.	365,509	133,646	209,729
Brown coal .. .. .	do.	274	36	42
Coke .. .. .	do.	754,303	864,510	684,230
Briquettes .. .. .	do.	492,848	511,373	697,098
ditto (bunkers) ..	do.	301,138	113,706	136,104
Ammonium sulphate ..	do.	6,491	7,106	18,247
Ammonium chloride ..	do.	273	270	307
Anthracene .. .. .	do.	98	25	12

(a) Information not available.

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Belgium-Luxemburg E. U. (Cont.)—				
Tar .. .. .	Long ton	2,833	23,458	6,644
Pitch .. .. .	do.	24,870	24,151	23,884
Naphthalene .. .. .	do.	5,664	7,308	8,798
Aniline oil and salts .. .. .	do.	149	73	7
Dyes .. .. .	do.	328	448	797
Distillates .. .. .	do.	101,838	84,658	110,841
Bulgaria—				
Coal and coke .. .. .	Long ton	36,742	9,850	(a)
Czechoslovakia—				
Coal .. .. .	Long ton	2,756,199	1,855,455	1,648,981
Brown coal .. .. .	do.	2,803,205	2,873,615	2,951,168
Coke .. .. .	do.	507,143	745,968	771,504
Briquettes .. .. .	do.	130,308	156,644	138,058
Ammonium sulphate .. .. .	do.	7,629	319	2,821
Ammonium chloride .. .. .	do.	2	1	1
Liquid ammonia .. .. .	do.	—	1	2
Tar .. .. .	do.	2,344	2,254	693
Anthracene .. .. .	do.	55	86	116
Pitch .. .. .	do.	20,612	10,955	6,846
Tar oils .. .. .	do.	11,541	18,107	24,824
Crude naphthalene .. .. .	do.	1,198	788	1,864
Carbolic acid .. .. .	do.	1,064	5,482	4,333
Cresol .. .. .	do.	281	70	39
Aniline oil and salts .. .. .	do.	66	56	112
Dyes .. .. .	do.	785	617	440
Denmark—				
Coke .. .. .	Long ton	3,714	20,001	19,360
Ammonium sulphate .. .. .	do.	445	693	458
Pitch .. .. .	do.	676	246	327
Tar .. .. .	do.	1,447	1,103	53
Benzol .. .. .	do.	3	4	2
Dyes .. .. .	do.	3	3	2
France—				
Coal .. .. .	Long ton	3,983,045	4,196,021	4,747,969
ditto (bunkers) .. .. .	do.	196,450	60,746	38,885
Coke .. .. .	do.	464,477	394,837	411,145



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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )				
France ( <i>Cont.</i> )—				
Briquettes	Long ton	225,876	200,354	241,999
ditto (bunkers) ..	do.	15,514	1,119	512
Ammonium sulphate ..	do.	10,486	11,070	20,153
Liquid ammonia ..	do.	281	215	392
Tar .. .. .	do.	55,879	66,266	52,047
Dyes .. .. .	do.	3,888	4,967	3,611
Distillates .. ..	do.	15,359	33,198	16,407
Benzol .. .. .	do.	10,204	14,120	20,058
Germany (including reparations)—				
Coal .. .. .	Long ton	37,423,617	26,453,545	23,517,738
Brown coal .. ..	do.	77,257	26,177	32,426
Coke .. .. .	do.	10,196,705	8,654,718	8,744,941
Coal briquettes ..	do.	1,561,981	738,657	666,612
Brown-coal briquettes ..	do.	2,090,610	1,617,387	1,659,624
Ammonium sulphate ..	do.	659,736	658,501	824,034
Ammonium chloride ..	do.	92,609	25,110	35,019
Tar .. .. .	do.	27,305	72,127	80,698
Pitch .. .. .	do.	91,345	73,628	111,875
Naphthalene .. ..	do.	13,724	12,649	21,577
Anthracene .. ..	do.	304	358	1,459
Carbolic acid .. ..	do.	1,324	575	772
Cresol .. .. .	do.	4,879	4,811	4,101
Light coal-tar oils, etc. ..	do.	21,708	16,622	7,436
Heavy coal-tar oils, etc.	do.	146,809	170,827	142,602
Dyes .. .. .	do.	25,183	33,265	33,633
Other coal-tar products..	do.	4,759	5,987	5,124
Hungary—				
Coal .. .. .	Long ton	313,495	134,338	91,395
Brown coal .. ..	do.	336,430	165,203	189,767
Coke .. .. .	do.	6,967	2,138	1,304
Briquettes .. ..	do.	13,979	1,701	1,144
Ammonium sulphate ..	do.	460	—	5
Tar .. .. .	do.	295	359	355
Liquid ammonia .. ..	do.	6	9	7
Benzols .. .. .	do.	178	27	24
Carbolic acid .. ..	do.	—	2	—
Dyes .. .. .	do.	35	32	35
Italy—				
Coal, coke and patent fuel	Long ton	203,730	197,218	161,144
ditto (bunkers) ..	do.	5,403		
Ammonium sulphate ..	do.	6		

(a) Information not available.

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

Exporting Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<i>Italy (Cont.)—</i>				
Tar .. .. .	Long ton	683	794	1,638
Naphthalene .. .. .	do.	61	82	206
Benzol, toluol and xylol ..	do.	4	15	20
Carbolic acid .. .. .	do.	17	16	28
Aniline salts .. .. .	do.	179	165	201
<i>Jugoslavia—</i>				
Anthracite .. .. .	Long ton	103	—	446
Bituminous coal .. .. .	do.	24,444	9,994	9,217
Brown coal .. .. .	do.	140,503	106,436	127,576
Coke .. .. .	do.	1,220	101	185
Briquettes .. .. .	do.	35	86	—
Tar and pitch .. .. .	do.	99	15	107
Creosote .. .. .	do.	30	11	2
Benzol .. .. .	do.	3	—	10
Dyes .. .. .	do.	67	3	7
<i>Latvia—</i>				
Coal .. .. .	Long ton	4,048	1,112	1,487
Coke .. .. .	do.	458	302	668
<i>Netherlands—</i>				
Coal .. .. .	Long ton	3,322,060	2,911,145	3,861,610
ditto (bunkers) .. .. .	do.	4,695,461	2,210,660	2,110,574
Brown coal .. .. .	do.	—	35	—
Coke .. .. .	do.	944,953	1,127,305	1,115,207
Coal briquettes .. .. .	do.	149,408	82,424	76,117
Brown-coal briquettes ..	do.	14,706	13,322	15,956
Ammonium sulphate .. .. .	do.	25,009	34,876	30,823
Ammonium chloride .. .. .	do.	20	10	6
Liquid ammonia .. .. .	do.	164	163	266
Pitch .. .. .	do.	6,655	8,446	10,023
Tar .. .. .	do.	9,597	10,174	10,999
Creosote .. .. .	do.	1,143	4,611	16,430
Naphthalene .. .. .	do.	899	1,120	1,066
Anthracene .. .. .	do.	337	728	781
Carbolic acid .. .. .	do.	130	45	89
Carbolineum, etc. .. .. .	do.	1,392	1,708	1,913
Benzol .. .. .	do.	5,863	7,815	9,355
Toluol and xylol .. .. .	do.	286	296	464
Naphtha .. .. .	do.	470	163	339
Dyes .. .. .	do.	849	1,225	1,290
Other coal-tar products ..	do.	7,750	8,594	7,010

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Norway—				
Ammonium sulphate .. .. .	Long ton	139	—	—
Tar .. .. .	do.	2,034	844	384
Creosote .. .. .	do.	—	—	361
Naphthalene .. .. .	do.	49	—	1
Poland—				
Coal .. .. .	Long ton	14,064,369	10,919,285	12,351,054
Brown coal .. .. .	do.	10	—	37
Briquettes .. .. .	do.	30,900	10,785	8,873
Coke .. .. .	do.	122,264	118,674	160,138
Ammonium sulphate .. .. .	do.	13,644	11,337	17,983
Liquid ammonia.. .. .	do.	55	30	29
Tar .. .. .	do.	1,326	648	536
Pitch .. .. .	do.	3,294	573	515
Naphthalene .. .. .	do.	994	1,286	3,134
Anthracene, etc. .. .. .	do.	16	1,072	787
Carbolic acid .. .. .	do.	523	990	1,316
Benzol .. .. .	do.	11,135	7,922	13,636
Creosote, etc. .. .. .	do.	1,583	109	77
Portugal—				
Coal .. .. .	Long ton	389	65	(a)
ditto (bunkers) .. .. .	do.	246,749	247,584	(a)
Tar and pitch .. .. .	do.	98	101	(a)
Rumania—				
Anthracite .. .. .	Long ton	5,074	29,862	(a)
Bituminous coal .. .. .	do.	7,210	656	(a)
Brown coal .. .. .	do.	45	214	(a)
Coke .. .. .	do.	—	40	(a)
Ammonium sulphate .. .. .	do.	74	(a)	(a)
Ammonium chloride .. .. .	do.	175	179	(a)
Carbolineum .. .. .	do.	1	4	(a)
Dyes .. .. .	do.	80	2	(a)
Russia (years ended Sept. 30)				
Coal .. .. .	Long ton	243,660	426,246	489,282
Briquettes .. .. .	do.	146	16	—
Tar .. .. .	do.	14,717	34,102	21,680
Spain (including re-exports)—				
Coal .. .. .	Long ton	159,628	21,295	57,584
Coke .. .. .	do.	871	93	10

(a) Information not available.

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Spitzbergen (including re- exports)—				
Coal .. .. .	Long ton	286,531	(a)	(a)
Sweden—				
Anthracite .. .. .	Long ton	75	24	2
Bituminous coal .. .. .	do.	4,175	318	20
Coke .. .. .	do.	1,705	982	1,296
Ammonium sulphate .. .. .	do.	1,089	220	403
Liquid ammonia .. .. .	do.	75	9	31
Tar, etc. .. .. .	do.	5,182	2,891	8,681
Pitch .. .. .	do.	362	352	168
Benzol oils .. .. .	do.	1,181	1,215	1,769
Carbolic acid, etc. .. .. .	do.	27	40	35
Naphthalene .. .. .	do.	212	80	36
Dyes .. .. .	do.	22	14	8
Switzerland—				
Coal .. .. .	Long ton	34	68	49
Coke .. .. .	do.	2,644	877	734
Briquettes .. .. .	do.	11,845	946	73
Ammonium sulphate, etc. .. .. .	do.	848	1,651	4,603
Liquid ammonia .. .. .	do.	1	77	15
Tar .. .. .	do.	676	824	410
Pitch .. .. .	do.	47	187	67
Creosote .. .. .	do.	245	312	381
Benzol, naphthalene, etc. .. .. .	do.	330	518	495
Dyes .. .. .	do.	7,714	7,548	7,687
Belgian Congo—				
Coal and briquettes .. .. .	Long ton	10	5	(a)
Egypt—				
Coke .. .. .	Long ton	487	283	(a)
Pitch .. .. .	do.	9	—	(a)
Mozambique—				
Coal .. .. .	do.	3,205	4,430	(a)

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Mexico—				
Coal .. .. .	Long ton	241	(a)	(a)
Coke .. .. .	do.	44	(a)	3,714
Tar .. .. .	do.	4,055	} (a)	(a)
Benzol .. .. .	do.	1,323		
United States—				
Anthracite .. .. .	Long ton	3,597,931	2,969,203	2,979,214
Bituminous .. .. .	do.	31,492,801	16,081,914	14,432,376
ditto (bunkers) .. .. .	do.	6,906,791	4,076,141	3,834,128
Coke .. .. .	do.	881,482	720,236	980,059
Ammonium sulphate .. .. .	do.	181,125	140,492	93,015
Tar and pitch .. .. .	do.	48,121	150,302	69,189
Benzol .. .. .	do.	64,075	76,767	63,507
Dyes .. .. .	do.	11,523	11,949	14,430
Other coal-tar products..	do.	13,213	9,557	9,733
Argentina—				
Coal .. .. .	Long ton	295,985	253,684	(a)
Brazil—				
Coal .. .. .	Long ton	1,585	—	112
Chile—				
Coal .. .. .	Long ton	29,991	18,455	15,584
ditto (bunkers) .. .. .	do.	338,141	338,859	312,333
Coke .. .. .	do.	458	305	607
Tar and pitch .. .. .	do.	74	1	66
Uruguay—				
Coal .. .. .	Long ton	129	130,317	(a)
China—				
Coal .. .. .	Long ton	2,559,490	3,434,572	3,257,210
ditto (bunkers) .. .. .	do.	525,232	579,455	628,048
Coke .. .. .	do.	14,321	12,784	13,987
Ammonium sulphate .. .. .	do.	4,010	6,194	7,264
Dutch East Indies—				
Coal .. .. .	Long ton	397,336	411,136	399,219
ditto (bunkers) .. .. .	do.	132,131	137,356	132,490
Formosa—				
Coal .. .. .	Long ton	741,357	551,540	(a)
ditto (bunkers) .. .. .	do.	(a)	217,000	379,000
Coke .. .. .	do.	1,454	1,224	(a)
Tar .. .. .	do.	172	173	(a)

(a) Information not available.

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )				
French Indo-China—				
Coal .. .. .	Long ton	844,283	945,505	1,010,068
Briquettes .. .. .	do.	30,172	47,551	40,743
Tar and products.. .. .	do.	12	13	(a)
Japan—				
Coal .. .. .	Long ton	2,590,316	2,173,449	2,150,432
ditto (bunkers) .. .. .	do.	2,733,598	(a)	(a)
Tar and pitch .. .. .	do.	15,312	24,654	25,039
Naphthalene .. .. .	do.	94	108	(a)
Dyes .. .. .	do.	466	483	1,148
Persia (c) (i)—				
Coal, coke and peat .. .. .	Long ton	6	58	15
Synthetic indigo.. .. .	do.	19	1	1
Turkey—				
Coal, coke and lignite .. .. .	Long ton	218,612	98,574	(a)
Dyes .. .. .	do.	1	54	(a)
New Caledonia —				
Coal and briquettes .. .. .	Long ton	79	(a)	(a)

(a) Information not available.

(c) Including re-exports.

(i) Years ended 20th March of the year stated.

## IMPORTS OF COAL, COKE AND BY-PRODUCTS

*(Less Re-exports)*

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE				
United Kingdom—				
Coal .. .. .	Long ton	19,971,596	2,417,757	27,252
Coke .. .. .	do.	644,545	62,572	1,131
Manufactured fuel .. .. .	do.	424,747	8,354	3,827
Ammonium sulphate .. .. .	do.	(h) 71	(h) 131	(h) 167
Ammonium chloride .. .. .	do.	2,969	2,845	2,763
Tar .. .. .	do.	740	1,709	1,491
Pitch .. .. .	do.	3	10,770	3,521
Heavy coal-tar oils .. .. .	Gallon	368,300	411,604	274,146
Naphthalene .. .. .	Long ton	2,908	1,202	2,398
Anthracene .. .. .	do.	455	468	876
Carbolic acid .. .. .	do.	490	119	328
Benzol .. .. .	Gallon	18,064,051	13,004,699	3,584,647
Naphtha .. .. .	do.	18,060	47,112	7,425
Dyes .. .. .	Long ton	1,824	2,049	2,033
Other tar products .. .. .	do.	749	216	632
Irish Free State (total imports)—				
Anthracite .. .. .	Long ton	24,664	50,924	34,995
Bituminous coal .. .. .	do.	1,731,122	2,446,217	2,370,274
Coke .. .. .	do.	9,578	15,729	13,179
Ammonium sulphate .. .. .	do.	15,805	15,649	15,443
Tar and pitch .. .. .	do.	6,459	14,807	16,675
Creosote etc. .. .. .	do.	2,133	1,339	1,329
Malta—				
Coal, coke etc. (n) .. .. .	Long ton	195,397	236,107	168,520
Anglo-Egyptian Sudan—				
Coal .. .. .	Long ton	90,557	102,308	96,495
Coke .. .. .	do.	494	3,256	774
Patent fuel .. .. .	do.	5,463	5,188	5,323
Tar and pitch .. .. .	do.	156	50	46
Gambia—				
Coal, coke and patent fuel	Long ton	1,498	5,077	4,798
Gold Coast—				
Coal .. .. .	Long ton	74,072	66,874	50,451
Coke .. .. .	do.	142	156	216
Patent fuel .. .. .	do.	1,428	219	344
Kenya and Uganda—				
Coal .. .. .	Long ton	56,114	45,769	58,614
Coke .. .. .	do.	35	299	401
Creosote .. .. .	Gallon	25,649	49,973	22,107

(h) Excess of re-exports.

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

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

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE (Cont.)				
Mauritius—				
Coal .. .. .	Long ton	39,822	40,352	57,337
Coke .. .. .	do.	306	7,234	537
Patent fuel .. .. .	do.	131	13,791	11,482
Tar .. .. .	do.	455	51	29
Ammonium sulphate .. .. .	do.	6,186	11,118	6,436
Nigeria—				
Coal .. .. .	Long ton	12,168	15,738	18,216
Coke .. .. .	do.	243	364	956
Northern Rhodesia—				
Coal .. .. .	Long ton	101,868	78,178	146,096
Coke .. .. .	do.	4,154	3,690	7,714
Nyasaland—				
Coal and coke .. .. .	Long ton	898	2,757	2,451
Seychelles—				
Coal .. .. .	Long ton	—	—	258
Sierra Leone—				
Coal (n) .. .. .	Long ton	20,466	26,336	28,932
Coke .. .. .	do.	52	4,970	32
Southern Rhodesia—				
Coke and patent fuel .. .. .	Long ton	132	110	89
Tar, pitch, etc. .. .. .	do.	161	225	434
South-West Africa—				
Coal .. .. .	Long ton	11,029	8,327	7,547
Coke .. .. .	do.	626	179	205
Tanganyika Territory—				
Coal .. .. .	Long ton	5,645	2,711	3,498
Coke .. .. .	do.	304	287	10
Tar and pitch .. .. .	do.	26	55	36
Union of South Africa—				
Coal .. .. .	Long ton	3,157	195	2
Coke and patent fuel .. .. .	do.	—	1	10
Ammonium sulphate .. .. .	do.	822	1,218	3,319
Ammonium chloride .. .. .	do.	27	31	21
Liquid ammonia .. .. .	Gallon	15,880	17,786	10,351
Benzine and benzol .. .. .	do.	503	6,718	384
Tar .. .. .	Long ton	501	353	446
Dyes .. .. .	do.	12	4	—
Creosote .. .. .	Gallon	106,039	49,176	141,710



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

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE (Cont.)				
Zanzibar—				
Coal .. .. .	Long ton	10,470	9,395	3,513
Canada—				
Anthracite (total imports)	Long ton	3,743,231	3,667,727	3,764,260
Bituminous coal (total imports) .. .. .	do.	11,059,847	12,558,163	11,394,182
Brown coal (total imports)	do.	9,306	9,669	9,625
Coke .. .. .	do.	882,775	690,123	946,945
Ammonium sulphate .. .. .	do.	2,052	2,840	3,134
Ammonium chloride .. .. .	do.	1,074	1,579	1,614
Tar and pitch .. .. .	Gallon	3,681,324	3,812,637	5,368,370
Naphthalene, .. .. .	Long ton	199	222	253
Carbolic acid, etc. .. .. .	Gallon	4,120,712	1,336,312	1,803,659
Dyes .. .. .	Long ton	1,263	1,309	1,375
Other coal-tar products, .. .. .	do.	287	202	255
Newfoundland (years ended 30th June)—				
Coal .. .. .	Long ton	340,999	346,771	377,535
Coke .. .. .	do.	725	597	460
Tar .. .. .	£	7,435	5,981	6,492
Dyes .. .. .	£	3,474	2,535	3,217
British Guiana—				
Coal .. .. .	Long ton	24,232	19,364	20,230
Coke .. .. .	do.	103	141	111
Patent fuel .. .. .	do.	2,027	5,000	2,100
West Indies—				
Bahamas—				
Coal .. .. .	Long ton	2,122	678	1,234
Barbados—				
Coal (n) .. .. .	Long ton	35,632	27,868	(a)
Ammonium sulphate.. .. .	do.	3,634	4,100	4,629
Bermuda—				
Anthracite .. .. .	Long ton	1,693	722	—
Bituminous coal .. .. .	do.	7,894	16,695	14,179
Coke .. .. .	do.	—	—	23
Jamaica—				
Coal .. .. .	Long ton	143,271	115,791	(a)
Coke .. .. .	do.	—	130	(a)
Leeward Islands (m)—				
Coal, coke, etc. .. .. .	Long ton	681	1,799	1,823
St. Lucia—				
Coal (n) .. .. .	Long ton	35,161	20,827	19,701

(a) Information not available.

(m) Total imports, including inter-presidency trade.

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

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

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE ( <i>Cont.</i> )				
West Indies ( <i>Cont.</i> )—				
Trinidad and Tobago—				
Coal ( <i>n</i> ) .. .. .	Long ton	50,754	55,860	78,234
Coke .. .. .	do.	72	88	69
Patent fuel .. .. .	do.	49	4,249	2,300
British Honduras—				
Coal and coke .. .. .	Long ton	994	588	698
Aden (total imports)—				
Coal ( <i>n</i> ) .. .. .	Long ton	173,856	145,427	95,409
Coke .. .. .	do.	22	75	81
Tar and pitch .. .. .	do.	27	37	27
Aniline .. .. .	do.	31	18	12
Naphthalene .. .. .	do.	225	283	559
British Malaya (total imports)—				
Coal ( <i>n</i> ) .. .. .	Long ton	791,796	876,248	811,929
Coke .. .. .	do.	6,345	8,758	7,682
Tar .. .. .	do.	1,558	1,821	1,960
Ceylon—				
Coal ( <i>n</i> ) .. .. .	Long ton	663,385	742,387	644,980
Coke .. .. .	do.	1,269	1,071	1,043
Briquettes .. .. .	do.	21,929	14,312	3
Ammonium sulphate .. .. .	do.	8,744	12,852	13,796
Tar and pitch .. .. .	do.	4,481	2,666	8,159
Cyprus—				
Coal .. .. .	Long ton	5,773	9,752	8,927
Tar and pitch .. .. .	do.	363	50	185
Ammonium chloride .. .. .	do.	4	2	4
India (total imports <i>by sea</i> )—				
Coal .. .. .	Long ton	174,784	236,292	188,216
Coke .. .. .	do.	19,124	7,311	21,970
Coal and coke on government account .. .. .	do.	99	50	287
Tar and pitch .. .. .	do.	3,729	3,185	3,469
Naphthalene .. .. .	do.	240	464	423
Carbolic acid .. .. .	do.	48	68	48

(a) Information not available.

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

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

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE ( <i>Cont.</i> )				
India (total imports by sea) ( <i>Cont.</i> )—				
Tar dyes .. .. .	Long ton	5,844	7,889	8,961
Synthetic indigo .. .. .	do.	1	2	19
Ammonium salts .. .. .	do.	1,273	1,758	1,471
Palestine (total imports)—				
Anthracite .. .. .	Long ton	1,740	16,769	16,228
Other coal .. .. .	do.	9,621	19,810	20,884
Briquettes .. .. .	do.	1,923	3,272	(a)
Tar and pitch .. .. .	do.	105	83	(a)
Dyes .. .. .	do.	10	—	(a)
Australia—				
Coal .. .. .	Long ton	24,366	23,563	17,870
Coke .. .. .	do.	28,950	46,419	34,544
Ammonium sulphate .. .. .	do.	23	116	402
Ammonium chloride .. .. .	do.	216	405	538
Tar and pitch .. .. .	do.	1,109	704	597
Naphthalene .. .. .	do.	277	153	177
Carbolic acid .. .. .	do.	39	45	52
Benzene and benzol .. .. .	Gallon	1,840	3,884	36,908
Tar oil .. .. .	do.	17,782	63,396	23,252
Fiji—				
Coal .. .. .	Long ton	29,963	29,819	22,426
Coke .. .. .	do.	917	899	509
Tar and pitch .. .. .	£	2,038	1,470	684
New Zealand—				
Coal .. .. .	Long ton	483,918	372,586	235,819
Coke .. .. .	do.	674	887	1,005
Ammonium sulphate .. .. .	do.	1,217	825	2,121
Ammonium chloride .. .. .	£	1,666	881	1,477
Tar .. .. .	Long ton	2,630	3,989	3,124
Pitch .. .. .	do.	25	61	56
Carbolic acid .. .. .	do.	14	11	10
Solomon Islands—				
Coal .. .. .	Long ton	913	668	571
Western Samoa—				
Coal .. .. .	£	377	704	1,798
FOREIGN COUNTRIES				
Austria—				
Coal .. .. .	Long ton	4,055,323	4,488,778	4,520,825
Brown coal .. .. .	do.	444,783	406,852	405,621
Coke .. .. .	do.	481,976	564,603	537,961

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Austria (Cont.)—				
Briquettes .. ..	Long ton	61,546	52,698	58,689
Ammonium sulphate .. ..	do.	192	454	253
Ammonium chloride .. ..	do.	201	221	210
Liquid ammonia .. ..	do.	11	16	14
Refined carbolic acid .. ..	do.	426	516	596
Tar .. ..	do.	565	709	1,219
Pitch .. ..	do.	619	311	425
Naphthalene .. ..	do.	74	15	15
Creosote, etc. .. ..	do.	57	99	107
Tar oils .. ..	do.	2,215	2,669	3,647
Dyes, etc. .. ..	do.	787	1,061	1,042
Belgium-Luxemburg E.U.—				
Coal .. ..	Long ton	7,631,410	9,139,284	8,621,591
Brown coal .. ..	do.	136,955	152,125	153,438
Coke .. ..	do.	2,567,469	2,878,078	2,733,351
Briquettes .. ..	do.	97,706	69,616	96,554
Ammonium sulphate .. ..	do.	38,585	47,115	50,042
Ammonium chloride .. ..	do.	899	799	4,465
Tar .. ..	do.	43,181	43,770	37,269
Pitch .. ..	do.	89,675	68,958	80,666
Naphthalene .. ..	do.	12,997	12,738	14,729
Aniline oil and salts .. ..	do.	521	345	261
Anthracene .. ..	do.	1,824	1,393	1,101
Dyes .. ..	do.	2,762	2,442	2,608
Distillates .. ..	do.	10,117	7,718	6,956
Bulgaria—				
Coal and coke .. ..	Long ton	11,443	6,614	(a)
Ammonium chloride .. ..	do.	76	104	(a)
Liquid ammonia .. ..	do.	19	24	(a)
Carbolic acid .. ..	do.	4	5	(a)
Naphthalene .. ..	do.	130	284	(a)
Czechoslovakia—				
Coal .. ..	Long ton	1,451,811	1,699,159	2,423,429
Brown coal .. ..	do.	28,448	23,720	63,401
Coke .. ..	do.	200,486	236,030	261,770
Briquettes .. ..	do.	28,708	24,308	33,434
Ammonium sulphate .. ..	do.	7,913	2,632	1,091
Ammonium chloride .. ..	do.	303	451	439
Tar .. ..	do.	6,948	1,557	9,342
Pitch .. ..	do.	187	1,384	4,487
Benzol .. ..	do.	32	42	34

(a) Information not available.

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Czechoslovakia (Cont.)—</b>				
Distillates .. ..	Long ton	62	84	285
Crude naphthalene .. ..	do.	—	1	6
Crude carbolic acid .. ..	do.	3	17	6
Cresol .. ..	do.	3	3	27
Aniline oil and salts .. ..	do.	143	169	207
Coal-tar dyes .. ..	do.	2,896	3,540	3,736
Liquid ammonia .. ..	do.	1	—	—
<b>Denmark—</b>				
Coal .. ..	Long ton	2,608,160	3,573,350	3,166,638
Coke .. ..	do.	741,954	912,361	1,023,636
Brown coal .. ..	do.	1,342	1,226	384
Briquettes .. ..	do.	445,591	386,521	325,687
Ammonium sulphate .. ..	do.	25,724	49,276	43,315
Ammonium chloride .. ..	do.	206	297	337
Tar .. ..	do.	3,728	3,286	6,858
Pitch .. ..	do.	235	247	6,852
Benzol .. ..	do.	279	482	623
Carbolic acid .. ..	do.	7	34	6
Dyes .. ..	do.	272	297	325
<b>Estonia—</b>				
Coal .. ..	Long ton	76,036	91,692	89,299
Coke .. ..	do.	2,173	3,125	4,390
Briquettes .. ..	do.	3	1	2
Ammonium sulphate .. ..	do.	123	199	166
Ammonium chloride .. ..	do.	14	12	12
Liquid ammonia .. ..	do.	10	12	60
Tar .. ..	do.	1,150	953	1,059
Naphthalene, etc. .. ..	do.	11	13	13
Carbolic acid .. ..	do.	14	19	15
Benzol .. ..	do.	2	3	2
Dyes .. ..	do.	71	73	91
<b>Finland—</b>				
Anthracite .. ..	Long ton	88	3,316	.87
Bituminous .. ..	do.	478,050	888,098	924,194
Brown coal, briquettes, etc. .. ..	do.	296	1,376	17
Coke .. ..	do.	79,816	125,977	135,152
Ammonium sulphate .. ..	do.	76	289	179
Ammonium chloride .. ..	do.	15	16	26
Tar .. ..	do.	2,095	2,735	2,456
Pitch .. ..	do.	1,570	2,023	1,767
Creosote .. ..	do.	1,069	1,458	1,360

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Finland (Cont.)—				
Naphthalene .. ..	Long ton	94	70	72
Benzol .. .. .	do.	19	47	62
Carbolineum .. ..	do.	138	152	200
Other coal-tar products,	do.	23	52	9
Dyes, etc. . . . .	do.	291	268	281
Liquid ammonia ..	do.	12	13	16
France—				
Coal .. .. .	Long ton	15,167,884	18,683,116	17,001,942
Coke .. .. .	do.	5,467,230	4,645,936	5,283,168
Briquettes .. ..	do.	1,100,677	1,034,673	1,139,529
Ammonium sulphate ..	do.	180,763	167,968	212,540
Liquid ammonia ..	do.	84	202	301
Tar .. .. .	do.	318,899	361,400	158,533
Pitch .. .. .	do.			119,967
Naphthalene, etc. ..	do.	(a)	(a)	3,742
Carbolic acid, etc. ..	do.			755
Benzol .. .. .	do.	5,373	2,846	6,971
Dyes .. .. .	do.	1,426	1,532	1,538
Distillates .. ..	do.	24,395	8,776	5,948
Germany—				
Coal .. .. .	Long ton	2,820,543	5,249,669	7,288,524
Brown coal .. .. .	do.	1,982,381	2,519,213	2,723,861
Coke .. .. .	do.	49,854	143,345	258,322
Coal briquettes .. ..	do.	2,758	4,194	11,503
Brown-coal briquettes ..	do.	119,663	148,968	151,654
Ammonium sulphate ..	do.	327	279	236
Ammonium chloride ..	do.	72	25	22
Tar .. .. .	do.	22,923	40,010	21,216
Pitch .. .. .	do.	23,741	26,553	8,332
Naphthalene .. ..	do.	1,521	3,623	4,228
Anthracene .. ..	do.	133	788	722
Carbolic acid .. ..	do.	1,369	2,356	2,523
Cresol .. .. .	do.	683	957	2,135
Light coal-tar oils, etc. ..	do.	63,044	128,834	160,271
Heavy coal-tar oils, etc. .	do.	7,624	12,281	8,771
Other coal-tar products. .	do.	181	348	390
Dyes .. .. .	do.	3,201	4,509	4,322
Greece—				
Coal .. .. .	Long ton	542,214	702,600	684,412
Ammonia .. .. .	do.	(a)	79	(a)
Naphthalene .. ..	do.	267	335	530
Dyes .. .. .	do.	59	199	156

(a) Information not available.

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Hungary—</b>				
Coal .. .. .	Long ton	890,739	1,074,791	1,166,586
Brown coal .. .. .	do.	44,326	29,549	21,952
Coke .. .. .	do.	264,574	384,661	446,486
Briquettes .. .. .	do.	5,485	4,478	1,912
Ammonium sulphate .. .. .	do.	1,246	1,656	1,651
Liquid ammonia .. .. .	do.	29	20	26
Tar .. .. .	do.	1,591	1,722	1,280
Benzol .. .. .	do.	2,486	5,020	7,145
Carbolic acid .. .. .	do.	5	3	9
Aniline oil .. .. .	do.	84	152	105
Dyes .. .. .	do.	630	1,098	727
Anthracene, etc .. .. .	do.	123	118	162
<b>Italy—</b>				
Coal, coke, etc. (q) .. .. .	Long ton	12,064,383	13,836,683	12,493,596
Ammonium sulphate (q) .. .. .	do.	15,968	12,897	14,168
Ammonium chloride .. .. .	do.	549	548	463
Tar (q) .. .. .	do.	2,604	1,154	1,176
Carbolic acid .. .. .	do.	254	194	687
Aniline salts .. .. .	do.	59	174	168
Naphthalene .. .. .	do.	903	79	1,246
Benzol, toluol and xylol .. .. .	do.	4,023	4,429	5,233
<b>Jugoslavia—</b>				
Anthracite .. .. .	Long ton	31,636	57,248	55,119
Bituminous coal .. .. .	do.	255,364	214,893	253,687
Brown coal .. .. .	do.	22,713	23,400	36,362
Coke .. .. .	do.	120,875	144,767	171,455
Briquettes .. .. .	do.	2,861	1,803	7,096
Ammonium sulphate .. .. .	do.	(a)	(a)	329
Ammonium chloride .. .. .	do.	(a)	(a)	130
Tar, etc. .. .. .	do.	1,873	2,337	2,577
Light oils .. .. .	do.	529	326	328
Heavy oils .. .. .	do.	2,622	1,369	2,574
Naphthalene, etc. .. .. .	do.	332	476	525
<b>Latvia—</b>				
Coal .. .. .	Long ton	340,397	457,761	464,404
Coke .. .. .	do.	49,734	47,395	45,800
Briquettes .. .. .	do.	16,107	4,529	4,458
Tar .. .. .	do.	1,503	2,077	2,094
Pitch .. .. .	do.	262	301	473
Carbolic acid .. .. .	do.	2,177	3,237	1,699

(q) Including German reparation deliveries.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Lithuania (total imports)—				
Coal .. .. .	Long ton	163,033	195,756	172,050
Coke .. .. .	do.	60,833	7,165	8,830
Briquettes .. .. .	do.	24,749	16,319	12,696
Carbolic acid .. .. .	do.	1,258	66	6
Naphthalene .. .. .	do.	14	29	21
Netherlands—				
Coal .. .. .	Long ton	9,899,556	8,682,254	8,621,452
Brown coal .. .. .	do.	6,322	719	528
Coke .. .. .	do.	277,395	273,225	296,534
Coal briquettes .. .. .	do.	388,058	364,371	328,382
Brown-coal briquettes .. .. .	do.	160,896	164,707	166,109
Ammonium sulphate .. .. .	do.	77,456	106,491	136,908
Ammonium chloride .. .. .	do.	362	290	280
Liquid ammonia .. .. .	do.	538	693	573
Tar .. .. .	do.	543	348	3,631
Pitch .. .. .	do.	37,449	30,287	31,154
Creosote .. .. .	do.	1,247	640	4,071
Naphthalene .. .. .	do.	775	988	405
Anthracene .. .. .	do.	398	—	65
Carbolic acid, etc. .. .. .	do.	340	412	438
Benzol .. .. .	do.	201	280	294
Toluol and xylol .. .. .	do.	27	29	72
Naphtha .. .. .	do.	54	299	300
Dyes .. .. .	do.	1,810	2,589	2,894
Other coal-tar products	do.	1,806	2,440	7,043
Norway—				
Bituminous coal .. .. .	Long ton	1,580,971	2,199,983	2,087,665
Coke .. .. .	do.	353,040	429,921	474,992
Ammonium sulphate .. .. .	do.	59	80	371
Ammonium salts .. .. .	do.	369	189	219
Tar .. .. .	do.	720	2,557	5,570
Pitch .. .. .	do.	1,566	1,417	1,588
Creosote, etc. .. .. .	do.	4,055	3,480	2,879
Carbolic acid .. .. .	do.	2	1	1
Aniline and alizarine dyes	do.	215	234	235
Poland—				
Anthracite .. .. .	Long ton	22	207	270
Bituminous coal.. .. .	do.	40,656	49,351	48,656
Brown coal .. .. .	do.	—	11	26

(a) Information not available.



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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Poland (Cont.)—</b>				
Briquettes .. ..	Long ton	17,292	17,768	17,643
Coke .. ..	do.	62,345	166,239	177,883
Ammonium sulphate .. ..	do.	233	3,055	1,180
Ammonium chloride .. ..	do.	97	195	184
Liquid ammonia .. ..	do.	6	8	6
Tar .. ..	do.	1,498	13,552	14,677
Pitch .. ..	dq.	2,689	4,305	2,207
Creosote, etc. .. ..	do.	178	183	44
Benzol .. ..	do.	78	43	67
Carbolic acid, etc. .. ..	do.	17	51	189
Aniline, anthracene, etc.	do.	219	438	822
<b>Portugal—</b>				
Coal and coke .. ..	Long ton	864,891	1,059,467	(a)
Briquettes .. ..	do.	8,256	14,634	(a)
Ammonium sulphate .. ..	do.	8,048	10,466	(a)
Tar and pitch .. ..	do.	763	748	(a)
Carbolic acid .. ..	do.	2	1	(a)
Naphthalene .. ..	do.	57	75	(a)
<b>Rumania—</b>				
Anthracite .. ..	Long ton	6,983	7,164	}
Bituminous coal .. ..	do.	131,435	111,748	
Brown coal .. ..	do.	16,217	13,627	
Coke .. ..	do.	43,365	52,158	
Briquettes .. ..	do.	1,223	1,586	
Ammonium sulphate .. ..	do.	37	(a)	
Ammonium chloride .. ..	do.	151	322	
Liquid ammonia .. ..	do.	27	153	
Tar .. ..	do.	19	(a)	
Naphthalene, etc. .. ..	do.	197	211	
Carbolic acid, etc. .. ..	do.	69	72	
Aniline oil .. ..	do.	2	9	
Dyes .. ..	do.	746	1,085	
<b>Russia (years ended Sept. 30)</b>				
Coal .. ..	Long ton	301,311	464,113	60,407
Coke and briquettes .. ..	do.	22,210	19,490	61
<b>Spain (total imports)—</b>				
Anthracite .. ..	Long ton	42,780	107,154	115,204
Bituminous coal .. ..	do.	805,337	1,859,670	1,486,147
Other coal .. ..	do.	13,917	6,312	10,230
Coke .. ..	do.	87,202	204,763	203,301

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Spain (Cont.)—</b>				
Briquettes .. ..	Long ton	46,986	58,532	46,771
Ammonium sulphate ..	do.	146,309	166,560	212,437
Benzol, toluol, xylol, etc.	do.	54	9	7
Cresol and carbolic acid..	do.	22	51	47
Naphthalene, etc. ..	do.	1	28	25
Dyes .. ..	do.	399	443	464
Other coal-tar products	do.	288	1,543	1,919
<b>Sweden—</b>				
Anthracite .. ..	Long ton	83,894	76,255	72,525
Bituminous coal.. ..	do.	2,977,038	4,714,266	3,931,222
Coke .. ..	do.	842,024	954,496	1,089,891
Briquettes .. ..	do.	93,328	18,999	23,281
Ammonium sulphate ..	do.	130	983	792
Ammonium chloride ..	do.	250	261	247
Liquid ammonia .. ..	do.	48	79	77
Tar, etc. .. ..	do.	2,127	2,534	3,284
Pitch .. ..	do.	2,341	2,104	1,408
Benzol oils .. ..	do.	69	124	256
Creosote, etc. .. ..	do.	5,463	6,305	6,446
Naphthalene .. ..	do.	118	90	121
Benzol oils .. ..	do.	1,000	315	373
Dyes .. ..	do.	942	1,066	1,180
<b>Switzerland—</b>				
Coal .. ..	Long ton	1,612,542	1,951,157	1,878,018
Lignite .. ..	do.	203	593	232
Coke .. ..	do.	485,896	516,296	591,218
Briquettes .. ..	do.	523,662	481,717	511,599
Ammonium sulphate, etc.	do.	2,025	1,445	1,367
Ammonium chloride ..	do.	172	205	219
Liquid ammonia .. ..	do.	46	45	45
Tar .. ..	do.	6,423	5,690	5,109
Pitch .. ..	do.	9,366	15,225	22,458
Creosote etc. .. ..	do.	2,760	3,255	1,395
Benzol, naphthalene, etc.	do.	5,163	5,716	6,535
Aniline .. ..	do.	1,183	1,426	1,517
Dyes ... ..	do.	752	1,139	973
<b>Algeria—</b>				
Coal, coke and briquettes	Long ton	564,565	720,542	(a)

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Angola—</b>				
Coal .. .. .	Long ton	37,397	34,350	(a)
Coke .. .. .	do.	53	68	(a)
Tar .. .. .	do.	128	201	(a)
<b>Belgian Congo—</b>				
Coal .. .. .	Long ton	156,462	151,644	275,875
Coke .. .. .	do.	133,716	127,959	125,839
Briquettes .. .. .	do.	45,466	55,506	55,269
<b>Cameroons (French)—</b>				
Coal and briquettes ..	Long ton	2,363	(a)	(a)
<b>Cape Verde Islands—</b>				
Coal .. .. .	Long ton	229,361	324,231	241,323
<b>Dahomey—</b>				
Coal .. .. .	Long ton	3,319	5,789	4,861
<b>Egypt—</b>				
Coal .. .. .	Long ton	938,193	1,365,413	1,202,617
Coke .. .. .	do.	11,890	20,160	14,538
Patent fuel .. .. .	do.	56,867	29,778	23,832
Ammonium sulphate ..	do.	3,397	2,905	4,409
Ammonium chloride ..	do.	291	266	278
Liquid ammonia ..	do.	18	36	35
Pitch .. .. .	do.	2,793	3,911	5,410
Naphthalene .. .. .	do.	103	66	144
Carbolic acid .. .. .	do.	49	18	22
Aniline salt .. .. .	do.	229	230	193
Dyes .. .. .	do.	429	416	476
<b>French Guinea—</b>				
Coal, coke and briquettes	Long ton	610	1,831	158
<b>French Equatorial Africa—</b>				
Coal .. .. .	Long ton	2,055	102	(a)
Coke and briquettes ..	do.	157	—	(a)
<b>Ivory Coast—</b>				
Coal, coke and briquettes	Long ton	473	719	1,015
<b>Madagascar—</b>				
Coal and coke .. .. .	Long ton	54,339	33,838	39,552
<b>Morocco—</b>				
Coal .. .. .	Long ton	162,548	180,972	144,791
Coke .. .. .	do.	978	848	803
Tar and bitumen ..	do.	4,203	6,554	6,218
Dyes .. .. .	do.	22	9	4
Other coal-tar products	do.	34	30	(a)
<b>Mozambique—</b>				
Coal .. .. .	Long ton	66,426	74,365	(a)
Coke .. .. .	do.	138	242	(a)
Tar and pitch .. .. .	do.	65	165	(a)

(a) Information not available.

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

Importing Country and Description.	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Réunion—				
Coal .. .. .	Long ton	12,663	(a)	(a)
Ammonium sulphate ..	do.	596	204	(a)
Senegal—				
Coal .. .. .	Long ton	206,195	145,285	318,689
Coke .. .. .	do.	101	890	(a)
Briquettes .. .. .	do.	61,499	66,773	(a)
Togoland—				
Briquettes .. .. .	Long ton	6,461	1,545	2,196
Tar .. .. .	do.	37	91	88
Tripoli—				
Coal .. .. .	Long ton	10,292	(a)	(a)
Tunis—				
Coal .. .. .	Long ton	174,357	227,099	206,991
Coke .. .. .	do.	6,246	4,385	7,668
Briquettes .. .. .	do.	25,428	20,765	10,861
Tar .. .. .	do.	3,611	7,048	8,427
Distillates .. .. .	do.	131	137	523
Dyes .. .. .	do.	51	53	59
Cuba (b)—				
Anthracite .. .. .	Long ton	49,507	31,173	(a)
Bituminous coal .. ..	do.	522,995	509,102	(a)
Coke .. .. .	do.	33,909	75,520	(a)
Dominican Republic (b)—				
Coal .. .. .	Long ton	11,823	10,003	(a)
French West Indies—				
Guadeloupe—				
Coal .. .. .	Long ton	8,516	8,354	(a)
Ammonium sulphate ..	do.	614	(a)	(a)
Martinique—				
Coal .. .. .	Long ton	115,780	140,091	(a)
Guatemala—				
Coal .. .. .	Long ton	56	160	(a)
Costa Rica (b)—				
Coal .. .. .	Long ton	1,178	583	(a)
Ammonia .. .. .	do.	34	27	(a)
Dyes .. .. .	do.	10	8	(a)
Mexico—				
Coal .. .. .	Long ton	87,580	130,253	(a)
Tar and pitch .. .. .	do.	625	1,262	(a)
Benzol .. .. .	do.	9	8	(a)
Aniline oil, etc. .. ..	do.	116	139	(a)

(a) Information not available.

(b) Total imports.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Salvador—				
Coal and briquettes ..	Long ton	(a)	3,851	(a)
United States—				
Anthracite .. ..	Long ton	726,746	106,277	343,488
Bituminous coal ..	do.	470,841	541,295	479,150
Coke .. ..	do.	254,061	150,767	131,876
Ammonium sulphate ..	do.	8,386	17,153	42,066
Ammonium chloride ..	do.	7,059	6,374	4,921
Tar and pitch .. ..	do.	3,401	2,385	1,346
Creosote oil .. ..	Gallon	72,932,120	79,930,184	73,654,228
Naphthalene .. ..	Long ton	3,108	8	—
Carbolic acid .. ..	do.	98	1	436
Dyes .. ..	do.	2,123	2,396	2,722
Argentina—				
Coal .. ..	Long ton	2,764,384	3,434,017	3,072,662
Coke .. ..	do.	34,358	35,926	39,984
Ammonium sulphate ..	do.	(a)	47	65
Liquid ammonia .. ..	do.	45	51	30
Tar .. ..	do.	395	373	277
Naphthalene .. ..	do.	160	485	340
Carbolic acid .. ..	do.	161	97	124
Aniline .. ..	do.	400	386	439
Bolivia—				
Coal and briquettes ..	Long ton	23,150	29,839	(a)
Brazil (total imports)—				
Coal .. ..	Long ton	1,743,382	1,975,967	1,919,456
Coke .. ..	do.	17,576	20,488	30,140
Patent fuel .. ..	do.	147,451	183,167	197,729
Dyes .. ..	do.	332	508	626
Chile—				
Coal .. ..	Long ton	78,240	27,311	63,759
Coke .. ..	do.	32,149	23,300	15,331
Patent fuel .. ..	do.	4,645	5,343	6,955
Liquid ammonia .. ..	do.	92	102	44
Ammonium chloride ..	do.	87	162	210
Vaseline .. ..	do.	41	44	70
Tar and pitch .. ..	do.	764	1,421	1,304
Creosote, etc. .. ..	do.	11	1	336
Naphthalene .. ..	do.	14	6	9
Carbolic acid .. ..	do.	12	2,506	2,275
Dyes .. ..	do.	104	80	94
Colombia—				
Coal .. ..	Long ton	3,744	} (a)	} (a)
Tar and pitch .. ..	do.	72		
Carbolic acid .. ..	do.	9		
Aniline .. ..	do.	122		
Cresol, creolin, etc. ..	do.	343		

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.).</b>				
<b>Peru—</b>				
Coal .. .. .	Long ton	56,772	63,513	(a)
Coke .. .. .	do.	1,797	3,343	(a)
Ammonium salts .. .. .	do.	35	31	(a)
Liquid ammonia .. .. .	do.	46	68	(a)
Tar and pitch .. .. .	do.	359	424	(a)
Naphthalene .. .. .	do.	11	17	(a)
Dyes .. .. .	do.	6	8	(a)
<b>Uruguay—</b>				
Coal .. .. .	Long ton	191,499	419,764	(a)
Liquid ammonia .. .. .	do.	211	104	(a)
Dyes .. .. .	do.	51	23	(a)
<b>Venezuela—</b>				
Coal .. .. .	Long ton	860	12,077	(a)
Liquid ammonia .. .. .	do.	21	20	(a)
Aniline .. .. .	do.	22	41	(a)
<b>China—</b>				
Coal .. .. .	Long ton	2,897,572	2,318,783	2,426,648
Coke .. .. .	do.	4,879	5,426	6,284
Ammonium sulphate .. .. .	do.	49,094	54,391	104,452
Ammonium chloride .. .. .	do.	127	138	175
Tar .. .. .	do.	707	717	973
Pitch .. .. .	do.	10,728	3,324	3,114
<b>Dutch East Indies—</b>				
Coal .. .. .	Long ton	128,481	137,873	(b) 104,720
Coke .. .. .	do.	4,398	14,967	(b) 7,775
Ammonium sulphate .. .. .	do.	113,872	129,974	(b) 120,802
Ammonium chloride .. .. .	do.	36	18	(b) 41
Liquid ammonia .. .. .	do.	271	347	(a)
Tar .. .. .	do.	740	1,627	(a)
do. (additional) .. .. .	Gallon	136,335	157,358	(b) 431,130
Benzol .. .. .	Long ton	65	66	(b) 5
Carbolineum .. .. .	do.	70	71	(b) 184
Carbolic acid .. .. .	do.	28	26	(b) 50
Creosote etc. .. .. .	do.	416	449	(b) 518
Naphthalene .. .. .	do.	67	152	(b) 122
Dyes .. .. .	do.	1,794	1,297	(b) 1,038
Other coal-tar products .. .. .	do.	27	108	(b) 117

(a) Information not available.

(b) Java and Madura only.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Formosa—				
Coal .. .. .	Long ton	19,647	20,077	(a)
Coke .. .. .	do.	190	143	(a)
Ammonium sulphate ..	do.	43,464	67,170	97,000
Dyes .. .. .	do.	1	3	(a)
French Indo-China—				
Coal .. .. .	Long ton	47,904	43,746	41,737
Coke .. .. .	do.	1,047	658	624
Brown coal .. .. .	do.	239	6	(a)
Ammonium sulphate ..	do.	187	92	(a)
Ammonia .. .. .	do.	22	21	16
Tar .. .. .	do.	7,488	7,633	9,144
Distillates .. .. .	do.	92	150	66
Dyes .. .. .	do.	345	349	325
Japan (b)—				
Coal .. .. .	Long ton	2,012,526	2,660,556	2,734,931
Coke .. .. .	do.	6,120	4,349	5,567
Ammonium sulphate ..	do.	291,267	246,080	200,004
Ammonium chloride ..	do.	3,033	2,450	2,899
Pitch .. .. .	do.	13,913	11,492	12,211
Carbolic acid .. .. .	do.	916	716	643
Aniline oil and salt ..	do.	741	332	—
Dyes .. .. .	do.	3,118	2,347	2,656
Naphthalene .. .. .	do.	1,391	1,335	1,236
Distillates .. .. .	do.	(a)	746	1,432
Other tar products ..	do.	(a)	1,309	2,548
Korea (b)—				
Coal and coke .. .. .	Long ton	(£860,572)	(£1,076,840)	882,000
Ammonium sulphate ..	do.	(a)	32,000	60,000
Philippine Islands—				
Coal .. .. .	Long ton	536,836	469,501	541,081
Coke .. .. .	do.	1,467	2,166	1,844
Ammonium sulphate ..	do.	14,790	22,968	22,393
Anhydrous ammonia ..	£	3,271	4,275	2,886
Carbolic acid .. .. .	Long ton	5	5	3
Persia (b), (k)—				
Coal, coke and peat ..	Long ton	4,605	3,906	(a)
Synthetic indigo .. ..	do.	158	185	(a)
Siam (b)—				
Coal .. .. .	Long ton	46,461	35,001	39,521
Coke .. .. .	do.	2,121	2,972	2,038

(b) Total imports.

(k) Years ended 20th March of the year stated.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )				
Syria—				
Coal .. .. .	Long ton	} 61,924	{ 14,961	(a)
Briquettes .. .. .	do.			31,794
Turkey—				
Coal, coke and lignite ..	Long ton	32,251	85,423	(a)
Cresol and naphthalene	do.	87	169	(a)
Liquid ammonia and ammonium chloride	do.	166	182	(a)
Carbolic acid .. .. .	do.	29	11	(a)
Dyes .. .. .	do.	192	219	(a)
New Caledonia—				
Coal .. .. .	Long ton	34,241	36,395	(a)
Coke .. .. .	do.	37,761	41,190	(a)

(a) Information not available.



## COBALT

### PRODUCTION OF COBALT

(Cwt.)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Canada ( <i>h</i> ).. .. .	5,936	7,862	8,595
Australia (metal) .. ..	540	—	155
<b>FOREIGN COUNTRIES</b>			
Belgian Congo (metal and oxide)	7,080	7,100	8,000
Chile .. .. .	20	7	( <i>a</i> )
New Caledonia (ore) ..	—	1,547	( <i>a</i> )

(*a*) Information not available.

(*h*) Metal recovered from smelter products, and including cobalt contained in cobalt residues exported.

## EXPORTS OF COBALT, ETC.

*(Domestic Produce)*

(Cwt.)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys	299	41	60
Cobalt oxide .. ..	1,062	986	1,605
Canada—			
Cobalt .. .. .	1,577	3,169	2,152
Cobalt alloys .. ..	124	116	157
Cobalt oxide and cobalt salts .. .. .	2,619	3,385	3,302
Australia (including re- exports)—			
Cobalt ore .. ..	4,163	326	811
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Cobalt salts .. ..	22	360	1,425
France—			
Cobalt ore .. ..	—	4	421
Impure cobalt oxide ..	4	26	47
Other cobalt oxide, including zaffre and smalt .. .. .	77	75	96
Cobalt salts .. ..	2	18	18
Sweden—			
Cobalt oxide .. ..	3	1	1
Belgian Congo—			
Copper-cobalt alloy ..	15,620	41,330	74,800
Chile—			
Ore .. .. .	126	59	156
New Caledonia—			
Cobalt ore .. ..	—	1,547	(a)

(a) Information not available.

## IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Cobalt and cobalt alloys	908	2,151	2,367
Cobalt oxide .. ..	1,166	1,107	1,934
Canada—			
Oxides of cobalt, tin and copper .. ..	2,607	2,123	2,382
FOREIGN COUNTRIES			
Belgium-Luxemburg E.U.—			
Cobalt salts .. ..	31	49	98
Czechoslovakia—			
Zaffre and smalt ..	13	20	20
France—			
Cobalt ore .. ..	337	1,551	16
Impure cobalt oxide ..	1,702	831	1,963
Other cobalt oxide, in- cluding zaffre and smalt	199	142	295
Cobalt salts .. ..	6	6	18
Italy—			
Cobalt oxide .. ..	376	280	1,100
Jugoslavia—			
Cobalt .. .. .	(a)	4	—
Poland—			
Cobalt .. .. .	2	2	18
Cobalt salts .. ..	20	65	28
Rumania—			
Cobalt salts .. ..	42	1	(a)
Sweden—			
Cobalt oxide .. ..	80	85	84
United States—			
Cobalt ore and metal ..	4,835	4,175	5,744
Cobalt oxide .. ..	2,975	3,301	3,251
Colombia—			
Cobalt and salts ..	1	(a)	(a)
Chile—			
Cobalt ores .. ..	126	—	1
Japan—			
Cobalt oxide .. ..	684	981	912

(a) Information not available.

## COPPER

### PRODUCTION OF COPPER ORE

(In terms of metal)

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom ..	108	177	68
Northern Rhodesia (smelter)	708	3,290	5,930
Southern Rhodesia (smelter)	7	—	109
South-West Africa (a) ..	8,800	10,500	11,100
Union of South Africa ..	8,681	9,125	8,662
Canada .. .. .	59,417	62,566	90,489
Cyprus .. .. .	3,300	4,000	4,900
India (estimated) .. ..	5,800	6,000	5,600
Australia .. .. .	8,722	9,973	9,466
Papua (years ended June 30)	1,659	120	(a)
Total ..	97,000	106,000	136,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	2,203	2,296	2,987
Bulgaria .. .. .	1,836	850	(a)
Czechoslovakia .. ..	905	1,518	1,599
Finland .. .. .	975	812	(a)
France (ore) .. .. .	144	113	(a)
Germany .. .. .	27,250	26,840	25,799
Italy .. .. .	1,628	1,665	(a)
Jugoslavia .. .. .	10,446	10,200	13,000
Norway .. .. .	13,310	12,169	17,497
Portugal (estimated) ..	2,000	(a)	(a)
Rumania (smelter) ..	186	212	102
Russia .. .. .	10,500	13,400	19,900
Spain .. .. .	43,474	50,000	53,000
Sweden .. .. .	698	771	609
Algeria (ore) .. .. .	470	—	—
Belgian Congo (smelter) ..	79,365	87,748	110,680
French Equatorial Africa	378	492	232
French Morocco .. ..	12	(a)	(a)
Tunis (ore) .. .. .	—	73	(a)
Cuba .. .. .	11,637	13,873	16,847

## PRODUCTION OF COPPER ORE (Cont.)

Producing Country	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Mexico .. .. .	63,527	57,806	64,470
United States .. ..	770,212	736,589	834,999
Argentina (estimated) .. ..	800	800	(a)
Bolivia (exports) .. ..	8,015	8,591	8,351
Chile .. .. .	199,879	238,806	285,311
Peru .. .. .	41,347	53,990	51,634
Venezuela (estimated) .. ..	1,000	150	(a)
Japan (smelter) .. ..	66,301	65,520	67,155
Korea (ore) .. ..	1,695	(a)	(a)
Turkey (black copper) .. ..	832	—	13
Total ..	1,360,000	1,390,000	1,570,000
WORLD'S TOTAL	1,460,000	1,500,000	1,710,000

(a) Information not available.

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

## METAL PRODUCTION OF COPPER

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom (estimated)	17,700	22,400	25,500
Northern Rhodesia ..	708	3,290	5,930
Southern Rhodesia ..	7	—	109
Canada (j) .. .. .	30,239	32,230	56,870
Australia .. .. .	11,148	9,564	11,858
Papua .. .. .	170	—	(a)
Total ..	60,000	67,000	100,000
FOREIGN COUNTRIES			
Austria .. .. .	3,152	3,256	3,369
Belgium .. .. .	9,848	9,655	(a)
Czechoslovakia .. ..	3,076	3,240	4,167
Finland .. .. .	272	98	(a)
France (c) .. .. .	2,118	2,500	2,200
Germany .. .. .	45,500	49,800	47,700
Italy .. .. .	676	1,254	886
Jugoslavia .. .. .	9,518	12,483	14,848
Norway .. .. .	189	13	775
Rumania .. .. .	186	212	102
Russia (years ended Sept. 30) .. .. .	10,466	13,382	18,897
Spain .. .. .	23,547	28,236	24,817
Sweden .. .. .	3,735	5,320	3,342
Belgian Congo .. ..	79,365	87,748	110,680
Mexico .. .. .	35,851	38,624	43,605
United States (b) .. ..	878,720	864,872	946,512
Chile .. .. .	185,820	222,589	272,085
Peru .. .. .	40,979	45,644	51,515
China (exports) .. ..	2,143	1,035	(a)
Formosa .. .. .	874	569	(a)
Japan .. .. .	66,301	61,401	67,155
Korea .. .. .	766	1,000	(a)
Total ..	1,400,000	1,450,000	1,620,000
WORLD'S TOTAL	1,460,000	1,520,000	1,720,000

(a) Information not available.

(b) Includes some secondary.

(c) Includes some matte.

(j) Copper content of blister copper.

## EXPORTS OF COPPER, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc... ..	9,821	15,289	5,854
Bars, ingots, etc.—			
Electrolytic .. ..	331	143	341
Other .. ..	18,055	13,753	6,973
Plates, sheets, etc. ..	6,067	7,542	6,935
Rods .. ..	1,325	1,885	2,332
Tubes .. ..	2,030	1,784	1,990
Wire .. ..	9,680	10,522	10,500
Sulphate.. ..	38,038	42,401	47,857
Northern Rhodesia—			
Ore and concentrates ..	—	—	331
Bars and ingots ..	654	3,342	5,725
South-West Africa—			
Ore .. ..	48,692	45,364	59,028
Union of South Africa—			
Ore and concentrates ..	6	7	14
Blister .. ..	2,929	2,602	2,502
Bars, ingots, etc. ..	5,757	5,553	5,074
Canada—			
Ore, matte, etc. ( <i>Cu content</i> ) .. ..	29,959	32,518	34,120
Blister .. ..	20,204	24,223	46,770
Ingots, etc. .. ..	26	5	—
Scrap copper .. ..	2,666	2,640	3,559
Scrap brass .. ..	2,710	3,257	5,155
Bars, sheets, wire, etc... ..	115	111	71
British Malaya (including re-exports)—			
Ingots, bars, sheets, etc.	47	70	10
Cyprus—			
Cupreous pyrites ..	150,363	208,122	240,060

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

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>			
India ( <i>by sea</i> )—			
Ore .. .. .	1,026	2	10
Wrought copper ..	9,638	14,096	11,547
Australia (including re-exports)—			
Ore, etc. ( <i>Cu. content</i> ) ..	722	728	1,988
Matte .. .. .	2,823	3,656	4,056
Blocks and ingots ..	1,763	809	4,189
Bars, sheets, wire, etc.	91	134	36
Papua ( <i>d</i> )—			
Copper and copper ore ..	11,466	582	16
<b>FOREIGN COUNTRIES</b>			
Austria—			
Ore .. .. .	316	368	332
Rough copper and scrap	2,062	2,007	2,278
Sheets, bars, wire, etc.	2,740	2,819	2,639
Sulphate.. .. .	219	340	131
Belgium-Luxemburg E.U.—			
Ore .. .. .	132	65	7,233
Rough copper .. ..	14,313	11,955	31,124
Sheets, wire, etc. ..	3,542	2,969	4,865
Sulphate.. .. .	13,786	11,860	15,601
Bulgaria—			
Ore .. .. .	1,305	1,808	(a)
Rough copper and scrap	6	64	(a)
Czechoslovakia—			
Ore .. .. .	2,519	5,071	6,116
Rough copper and scrap	3,275	3,547	3,768
Sheets, rods, wire, etc.	281	539	527
Denmark—			
Bars, sheets, wire, etc..	126	207	20
Estonia—			
Scrap .. .. .	112	98	119

(a) Information not available.

(d) Years ended 30th June of the year stated.

(f) Excluding wire.

(m) Including manufactures.

(i) Including brass and bronze.



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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Finland—			
Ore .. .. .	969	8,895	22,777
Rough copper and scrap	362	425	294
France—			
Ore and concentrates ..	337	693	1,783
Precipitate, ingots, etc.,	753	1,641	1,617
Filings and scrap ..	245	4,962	4,183
Bars, sheets and wire ..	16,119	20,194	22,922
Sulphate .. .. .	6,860	5,644	4,813
Germany (including reparations)—			
Ore, matte, etc. ..	29,657	3,903	1,110
Rough copper .. ..	24,904	18,106	21,452
Coin and scrap .. ..	2,095	1,196	3,225
Bars, sheets, wire, etc. ..	38,381	29,839	27,870
Hungary—			
Rough copper .. ..	35	35	84
Bars, sheets, wire, etc. . .	794	976	1,225
Sulphate .. .. .	2	12	339
Italy—			
Cupreous pyrites .. ..	71	358	—
Other ore .. .. .	2,106	1,697	2,134
Ingots, and scrap (i) ..	1,840	2,898	2,543
Bars, sheets, wire, etc. (i)	343	171	527
Sulphate .. .. .	7,958	10,655	9,693
Jugoslavia—			
Ore .. .. .	(a)	11,611	16
Ingots, scrap and wire ..	(m) 10,599	13,212	14,825
Netherlands—			
Ore .. .. .	—	—	12
Ingots, bars and tubes ..	213	232	425
Scrap .. .. .	1,771	1,142	2,358
Sheets, cable and wire ..	623	624	974
Sulphate .. .. .	15	42	7
Norway—			
Cupreous pyrites .. ..	445,760	417,554	430,910
Other ore .. .. .	1,246	5,889	6,170
Burnt cupreous pyrites	33,354	46,228	45,266

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Norway (Cont.)—			
Refined copper .. ..	227	—	504
Scrap .. ..	849	876	1,046
Plates, bolts, wire, etc., including brass .. ..	197	261	301
Poland—			
Ore and slag .. ..	735	791	572
Precipitate and scrap .. ..	138	61	2
Pigs, bars and ingots .. ..	341	51	1
Sheets and tubes .. ..	99	—	5
Sulphate.. ..	—	5	22
Portugal—			
Cupreous pyrites, etc. .. ..	134,233	158,013	(a)
Precipitate .. ..	607	482	(a)
Sulphate .. ..	75	67	(a)
Rumania—			
Ore .. ..	—	9	(a)
Rough and scrap .. ..	116	1,135	(a)
Russia (years ended Sept. 30)—			
Rough copper, sheets, etc. .. ..	—	1,692	(a)
Spain (including re-exports)—			
Ore—			
Not more than 2½ per cent. copper .. ..	731,983	877,146	845,520
More than 2½ per cent. copper .. ..	31,937	—	29
Matte .. ..	169	—	—
Precipitate .. ..	12,648	} 16,330	14,873
Black copper and scrap (i)	248		
Ingots .. ..	14,281	12,687	7,522
Bars, sheets, wire, etc. (i)	1	26	(a)
Sulphate.. ..	4	33	49
Sweden—			
Ore .. ..	1,574	1,982	2,699
Rough copper .. ..	3,583	3,635	1,941
Rods, sheets, tubes, wire, etc. .. ..	2,469	2,622	4,468
Switzerland—			
Ore, filings and turnings	2,270	2,179	2,399
Bars, ingots, etc. (i) .. ..	117	650	406
Scrap (i) .. ..	1,278	624	1,146
Sheets, tubes, wire, etc. (i)	4,975	4,827	7,329

(a) Information not available.

(i) Including brass and bronze.

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

Exporting Country and Description	1926	1927 .	1928
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Ore .. .. .	2,254	1,616	5,870
Bars, plates, wire, etc. ..	939	651	(a)
Angola—			
Copper .. .. .	7	4	(a)
Belgian Congo—			
Ore .. .. .	374	2,591	372
Rough copper .. .. .	77,736	85,505	104,348
Copper-cobalt alloy .. ..	781	2,067	3,750
Egypt—			
Sheets, scrap and brass..	3	48	(a)
French Equatorial Africa—			
Ore .. .. .	769	870	(a)
Morocco—			
Ore .. .. .	405	—	—
Ingots and scrap .. .. .	267	215	220
Tunis (including re-exports)—			
Ore .. .. .	—	—	49
Cuba—			
Ore .. .. .	35,746	44,363	(a)
Mexico—			
Pure copper contained in ores, concentrates, etc. } 52,914 {		19,178	20,846
Copper sheets .. .. . } }		38,627	43,625
United States—			
Unrefined copper (Cu content) .. .. .	2,440	3,230	1,711
Refined ingots, etc. .. ..	402,194	411,815	423,353
Scrap .. .. .	8,672	20,302	24,762
Sheets, pipes, wire, etc.	9,521	35,300	43,083
Sulphate .. .. .	2,142	2,771	3,869
Argentina—			
Ore .. .. .	567	396	87
Bars .. .. .	8	80	—
Bolivia—			
Ore, etc. . . . .	19,163	23,617	21,976

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Chile—			
Ore and concentrates ..	94,469	94,931	72,517
Matte .. .. .	3	70	—
Precipitate .. .. .	61	229	21
Ingots .. .. .	184,274	222,465	267,641
Colombia—			
Copper .. .. .	3	(a)	(a)
Peru—			
Ores ( <i>Cu content</i> ) ..	313	(d)6,356	(a)
Mattes, etc. do. ..	1,147	(d)1,861	(a)
Bars .. do. ..	38,204	(d)48,165	(a)
Scrap .. .. .	37	(a)	(a)
Venezuela—			
Copper .. .. .	1,899	386	(a)
China—			
Ingots and blocks ..	2,143	1,035	4,326
Dutch East Indies—			
Scrap .. .. .	715	857	743
French Indo-China—			
Sheets, wire, alloys, and scrap .. .. .	8	2	(a)
Formosa—			
Copper .. .. .	2	6	(a)
Japan—			
Ingots and blocks ..	134	73	115
Plates, sheets and wire..	2,200	2,488	2,559
Sulphate.. .. .	43	55	(a)
Turkey—			
Ore, filings and scrap, including brass ..	201	136	(a)
Ingots, including alloys	903	26	(a)
Sulphate.. .. .	—	11	(a)
Philippine Islands—			
Scrap .. .. .	560	386	324

(a) Information not available.

(d) Gross weight. Cu content not yet available.

## IMPORTS OF COPPER, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore, matte, etc. ..	34,717	39,832	45,809
Bars, ingots, etc. ..			
Electrolytic ..	86,878	90,952	104,796
Other .. ..	32,069	39,280	39,208
Plates, sheets, etc. ..	1,215	1,677	1,993
Rods .. ..	12,869	11,642	14,683
Tubes .. ..	1,141	1,881	2,074
Wire .. ..	4,870	4,736	4,312
Sulphate.. ..	164	302	429
Irish Free State—			
Sheets, wire, tubes, etc.	377	1,735	1,413
Sulphate .. ..	3,591	3,483	3,810
Kenya and Uganda—			
Wire, including brass wire	28	106	68
Mauritius (total imports)—			
Bars, sheets, scrap, etc.	14	42	36
Southern Rhodesia—			
Ingots, sheets, scrap, etc.	263	309	426
Tanganyika Territory—			
Wire .. ..	119	159	81
Union of South Africa—			
Bars, ingots and rods ..	536	347	60
Plates, sheets and tubes	395	747	671
Canada—			
Blocks, pigs and ingots.	3,839	1,694	3,519
Scrap copper .. ..	1,357	2,597	2,503
Scrap brass .. ..	1,192	1,298	1,516
Bars, sheets, wire, etc. . .	10,088	14,068	19,002
West Indies (Barbados)—			
Bars and sheets .. ..	(£1,407)	(£902)	(a)
British Honduras—			
Sheets and rods .. ..	(£672)	(£792)	(£826)

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

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE (Cont.)			
British Malaya (total imports)—			
Bars, ingots, sheets, etc.	822	933	151
Cyprus—			
Bars, sheets, etc. ..	28	44	52
India (total imports by sea)—			
Ore .. .. .	4,539	512	7
Scrap .. .. .	123	218	664
Ingots, cakes, blocks, etc.	3,647	1,454	1,762
Sheets, tubes, wire, etc.	13,954	10,108	11,224
Australia—			
Ore .. .. .	4	17	5
Matte ( <i>Cu content</i> ) ..	—	11	2
Blocks, ingots .. ..	50	357	60
Bars, sheets, pipes, wire, etc. .. .. .	3,089	2,970	1,947
New Zealand—			
Bars, sheets, pipes, etc.	737	620	652
Wire .. .. .	(£240,928)	(£187,939)	(£170,059)
Sulphate. .. .. .	85	121	126
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	2,867	4,394	4,458
Rough copper .. ..	12,718	14,181	15,619
Scrap .. .. .	836	916	1,675
Sheets, wire, etc. ..	209	280	241
Sulphate.. .. .	451	268	22
Belgium-Luxemburg E.U.—			
Ore .. .. .	65,691	47,924	59,529
Rough copper .. ..	25,599	36,206	73,667
Sheets, wire, etc. ..	6,215	4,135	5,061
Sulphate.. .. .	11	45	111
Bulgaria—			
Bars, sheets, etc. ..	810	883	(a)
Wire and cable .. ..	658	409	(a)
Sulphate .. .. .	3,790	3,071	(a)

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
<b>Czechoslovakia—</b>			
Ore .. .. .	187	20	83
Unwrought and precipi- tate .. .. .	15,825	17,375	22,347
Sheets, wire, tubes, etc.	413	258	648
<b>Denmark—</b>			
Rough copper .. ..	1,111	1,209	1,486
Bars, pipes, wire, etc. ..	2,951	3,330	3,795
<b>Estonia—</b>			
Ingots, sheets, wire, etc.	168	172	337
Sulphate .. .. .	—	3	5
<b>Finland—</b>			
Rough and scrap .. ..	49	44	76
Sheets, tubes, etc. .. ..	1,915	3,163	2,310
Sulphate .. .. .	31	31	32
<b>France—</b>			
Ore and concentrates .. ..	1,367	7,256	3,969
Precipitate, ingots, etc.,	116,428	81,077	123,972
Scrap .. .. .	15,738	6,216	20,786
Bars, sheets and wire .. ..	5,593	3,740	5,450
Sulphate .. .. .	19,226	21,050	25,820
<b>Germany—</b>			
Ore, matte, etc. .. ..	140,086	254,805	358,496
Rough copper .. .. .	144,156	227,198	223,398
Coin and scrap .. .. .	12,549	25,407	25,626
Bars, sheets, tubes, etc.	451	1,392	2,187
<b>Greece—</b>			
Rough copper and alloys	103	64	81
Sheets, tubes, alloys, etc.	1,403	1,181	1,144
Sulphate .. .. .	2,434	3,062	2,501
<b>Hungary—</b>			
Ore .. .. .	—	431	698
Rough copper .. .. .	8,544	11,173	10,904
Bars, sheets, wire, etc. ..	305	286	388
Sulphate .. .. .	2,149	1,676	356
<b>Italy—</b>			
Cupreous pyrites .. ..	1,476	5,258	10,313
Other ore .. .. .	6	37	78
Ingots and scrap ( <i>k</i> ) .. ..	67,924	62,360	77,692
Bars, sheets, wire, etc. ( <i>k</i> )	3,292	3,816	3,627
Sulphate .. .. .	8,108	12,598	15,347

(*k*) Including brass and bronze.

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

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Jugoslavia—			
Crude, scrap and coin ..	1,107	620	824
Bars, sheets, wire, etc. . .	2,495	1,936	1,982
Sulphate .. .. .	(a)	7,084	8,646
Netherlands—			
Ingots, bars and tubes ..	4,912	5,794	7,526
Scrap .. .. .	255	224	305
Sheets, cable and wire ..	3,582	3,410	4,153
Sulphate .. .. .	641	1,279	1,401
Norway—			
Rough copper and alloys	732	787	1,007
Poland—			
Slag .. .. .	2,019	13	1,557
Precipitate and scrap ..	215	367	887
Pigs, bars and ingots ..	1,737	4,735	8,883
Sheets, tubes and wire ..	1,494	2,825	2,196
Sulphate .. .. .	17	27	6
Portugal—			
Copper and alloys ..	961	1,852	(a)
Sulphate .. .. .	3,484	2,791	(a)
Rumania—			
Ore .. .. .	545	151	(a)
Rough and scrap ..	(a)	372	(a)
Sheets, wire, etc. ..	493	2,166	(a)
Sulphate .. .. .	(a)	4,357	(a)
Russia (years ended Sept. 30)			
Rough copper, sheets, rods, etc. .. .. .	11,125	18,180	27,352
Spain (total imports)—			
Precipitate and matte ..	2,402	2,687	3,205
Ingots and scrap (k) ..	5,274	1,828	1,909
Sheets, tubes, wire, etc. (k)	1,817	1,898	1,563
Sulphate .. .. .	590	667	493
Sweden—			
Rough copper .. .. .	16,067	16,075	19,864
Sheets, rods, wire, etc.	577	689	540
Switzerland—			
Ore, filings and turnings	1,496	2,396	2,186
Bars, ingots, etc. (k) ..	8,762	13,312	15,754
Scrap (k) .. .. .	689	895	664
Sheets, solder, wire, etc. (k) .. .. .	4,598	4,940	6,276

(a) Information not available.

(k) Including brass and bronze.



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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Algeria—			
Precipitate .. ..	989	1,659	(a)
Sulphate .. ..	7,570	7,256	(a)
Angola—			
Copper .. ..	12	22	(a)
Belgian Congo—			
Rough copper .. ..	3	—	—
Bars, sheets and wire ..	554	583	620
Egypt—			
Bars, sheets, tubes and wire, including brass, etc. .. ..	4,017	3,969	3,444
Morocco—			
Sheets and wire ..	337	656	520
Réunion—			
Copper .. ..	3	1	7
Togoland—			
Ingots, bars and wire, including alloys ..	17	13	14
Tunis—			
Bars, ingots, scrap, etc. (k)	94	89	37
Sheets, wire, etc. ..	452	258	283
Sulphate .. ..	165	251	191
Costa Rica (total imports)—			
Sheets and wire ..	30	82	(a)
Cuba—			
Copper, brass and bronze—			
Ingots and bars ..	77	116	(a)
Plates and wire ..	2,600	3,006	(a)
Mexico—			
Ingots .. ..	475	614	(a)
Bars, sheets, alloys, etc.	56	144	(a)
Sulphate .. ..	712	936	(a)
Salvador—			
Copper .. ..	—	2	(a)

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
United States—			
Copper content of—			
Ore .. .. .	47,641	44,343	47,407
Concentrates .. .. .	19,978	30,443	17,622
Matte .. .. .	950	622	1,179
Unrefined .. .. .	198,124	195,801	242,507
Refined .. .. .	76,132	46,107	37,826
Scrap .. .. .	4,911	3,565	4,735
Argentina—			
Ingots, sheets and bronze	1,705	2,005	1,730
Sulphate .. .. .	2,002	2,439	3,325
Brazil—			
Ingots, plates and bars..	1,712	1,456	(a)
Blocks and scrap .. .. .	3,579	3,585	6,604
Wire .. .. .	441	914	269
Sulphate.. .. .	748	718	1,639
Chile—			
Ore .. .. .	2	—	45
Ingots, sheets, wire, etc.	743	464	392
Sulphate .. .. .	121	94	45
Colombia—			
Ingots, plates, etc. .. .. .	283	(a)	(a)
Wire .. .. .	653	(a)	(a)
Peru—			
Bars, sheets, tubes, etc. (k) .. .. .	85	120	(a)
Uruguay—			
Sulphate .. .. .	614	448	(a)
Venezuela—			
Unwrought .. .. .	82	106	—
China—			
Ingots and blocks .. .. .	5,853	5,256	4,151
Bars, sheets, wire, etc..	2,026	1,850	1,952
Dutch East Indies—			
Crude copper .. .. .	307	198	(b) 229
Sheets, wire and alloys ..	603	853	(b) 3,548
Sulphate .. .. .	575	686	(b) 511

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

Importing Country and Description.	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Formosa—			
Copper .. .. .	11	5	(a)
French Indo-China—			
Sheets, wire, etc. ..	479	487	377
Scrap .. .. .	578	747	563
Sulphate .. .. .	18	12	(a)
Japan (total imports)—			
Ingots and blocks ..	13,904	9,636	14,433
Philippine Islands—			
Sheets and wire.. ..	449	471	277
Siam (total imports)—			
Rough copper .. ..	83	176	100
Syria—			
Sheets and tubes ..	(m) 604	947	(a)
Turkey—			
Ingots, bars, sheets, wire, etc., including brass ..	1,553	1,657	(a)
Sulphate .. .. .	178	318	(a)

(a) Information not available.

(b) Java and Madura only.

(k) Including brass and bronze.

(m) Imports into the port of Beirut.

## DIAMONDS

## PRODUCTION OF DIAMONDS

(Metric carats)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Gold Coast .. .. .	(g) 299,835	(g) 460,959	789,249
Southern Rhodesia .. ..	106	126	54
South-West Africa .. ..	683,801	723,877	503,142
Tanganyika Territory .. ..	6,695	18,766	24,681
Union of South Africa .. ..	3,217,967	4,708,038	4,372,857
British Guiana .. .. .	168,507	178,402	135,993
India .. .. .	69	113	(b)
Australia .. .. .	64	199	28
Total .. .. .	4,380,000	6,090,000	5,830,000
FOREIGN COUNTRIES			
Angola .. .. .	154,369	200,809	237,573
Belgian Congo .. .. .	1,114,384	1,041,544	1,647,700
Brazil (estimated) .. .. .	50,000	50,000	50,000
Dutch East Indies .. .. .	277	250	(a)
Total .. .. .	1,320,000	1,290,000	1,940,000
WORLD'S TOTAL	5,700,000	7,380,000	7,770,000

(a) Information not available.

(b) Quantity not reported. Value was £3,875 in 1928 compared with £3,354 in 1927.

(g) Exports.

## EXPORTS OF DIAMONDS

*(Domestic Produce)*

Exporting Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE				
Gold Coast .. .. .	Carat	299,835	460,959	698,826
Southern Rhodesia .. .. .	do.	37	—	—
South-West Africa (uncut) .. .. .	do.	683,024	723,862	503,143
Union of South Africa (uncut)	do.	3,041,686	4,274,206	3,541,289
British Guiana.. .. .	do.	152,760	185,466	132,966
FOREIGN COUNTRIES				
Belgium-Luxemburg E. U.— Precious stones, chiefly diamonds.. .. .	£	226,361	381,584	362,593
Czechoslovakia— Glaziers' diamonds .. .. .	Carat	475,000	415,000	735,000
Netherlands— Cut and polished .. .. .	£	825	—	—
Angola—	Carat	141,241	180,334	(a)
Belgian Congo— Precious stones, chiefly diamonds.. .. .	Carat	1,076,113	1,111,053	1,500,278
Brazil—				
Diamonds .. .. .	£	153,515	83,366	101,098
Carbons .. .. .	£	219,456	247,879	268,548

(a) Information not available.

## IMPORTS OF DIAMONDS

*(Less Re-exports)*

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE				
United Kingdom—	Carat	2,762,726	3,189,512	2,851,829
Union of South Africa—				
Cut and polished .. ..	Carat	1,123	1,324	629
Canada—				
Uncut .. .. .	£	624,892	566,698	698,480
Dust, bort, etc. .. ..	£	198,738	287,268	468,237
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Precious stones, chiefly diamonds .. .. .	£	7,548,610	5,577,702	6,591,671
Czechoslovakia—				
Glaziers' diamonds ..	Carat	785,000	605,000	520,000
Netherlands—				
Uncut .. .. .	£	9,488	17,508	39,008
Cut and polished .. ..	£	70,957	99	248
United States—				
Uncut (b) .. .. .	Carat	236,953	237,095	291,302
Cut and polished (b) ..	do.	555,363	445,571	440,437
Glaziers' diamonds (b) ..	do.	41,475	34,645	38,342
Dust and bort .. .. .	£	55,859	8,794	6,407
Chile—				
Glaziers' diamonds ..	£	127	136	266
Dutch East Indies—				
Uncut .. .. .	Carat	30	20	(c) 19
Cut and polished .. ..	do.	75	85	(c) 24
Philippine Islands—	Carat	13,281	22,795	24,290

(a) Information not available.

(b) Total imports.

(c) Java and Madura only.

## DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH  
(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Northern Ireland .. ..	2,975	3,373	4,244
Canada .. .. .	—	237	329
Australia .. .. .	911	1,210	1,360
FOREIGN COUNTRIES			
Denmark (estimated) ..	30,500	32,200	(a)
France .. .. .	7,017	(g) 2,125	(g) 2,096
Germany (exports) ..	5,824	5,926	6,597
Hungary (exports) ..	1,462	1,769	3,491
Italy .. .. .	1,180	700	(a)
Norway (exports) ..	57	79	83
Portugal .. .. .	59	246	(a)
Russia (years ended Sept.30)	7,928	5,105	(a)
Spain .. .. .	791	352	(a)
Sweden .. .. .	467	612	710
Algeria .. .. .	10,000	8,000	9,000
United States .. .. .	(i) 77,791	(b)	(b)

(a) Information not available.

(b) Not available for publication.

(g) Exports.

(i) Partly estimated.

EXPORTS OF DIATOMACEOUS EARTH  
(Domestic Produce)  
(Long tons)

Exporting Country	1926	1927	1928
BRITISH EMPIRE			
Union of South Africa ..	—	8	—
Canada (including other natural abrasives) ..	21	246	262
FOREIGN COUNTRIES			
Denmark .. .. .	14,707	16,210	(a)
France .. .. .	2,983	2,132	2,096
Germany (including repar- ations) .. .. .	5,824	5,926	6,597
Hungary .. .. .	1,462	1,769	3,491
Italy—			
Crude .. .. .	314	284	230
Calcined.. .. .	14	70	11
Norway—			
Calcined.. .. .	57	79	83
Poland .. .. .	—	—	23
Sweden (including bauxite and cryolite) .. ..	122	111	249
Algeria .. .. .	7,806	9,391	9,984

(a) Information not available.

## IMPORTS OF DIATOMACEOUS EARTH

*(Less Re-exports)*

(Long tons)

Importing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	8,991	6,509	7,970
Union of South Africa ..	8	65	8
FOREIGN COUNTRIES			
Estonia .. .. .	21	55	33
Finland .. .. .	434	475	757
France .. .. .	3,222	3,887	3,007
Germany .. .. .	692	430	326
Hungary .. .. .	34	206	488
Italy—			
Crude .. .. .	191	171	332
Calcined.. .. .	138	158	278
Jugoslavia .. .. .	99	293	682
Latvia .. .. .	112	—	—
Norway .. .. .	91	35	4
Poland .. .. .	1,564	1,656	2,390
Russia (years ended Sept. 30)	—	545	(a)
Sweden (including bauxite and cryolite) .. ..	7,795	10,807	6,671
United States (including tripoli and rottenstone)	922	1,195	(a)
Colombia .. .. .	65	(a)	(a)
Peru .. .. .	47	77	(a)

(a) Information not available.



**FELSPAR**

## PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
China stone .. ..	47,769	63,612	61,579
Union of South Africa ..	99	29	29
Canada .. ..	32,099	26,651	28,808
Australia (including china stone) .. ..	122	108	161
FOREIGN COUNTRIES			
Czechoslovakia (estimated)	30,000	30,000	30,000
Finland .. ..	800	643	700
France .. ..	18,951	(a)	(a)
Germany (Bavaria) ..	6,553	7,204	(a)
Italy .. ..	5,785	3,990	(a)
Norway (exports) ..	20,181	27,213	23,894
Rumania (i) .. ..	1,662	1,912	2,790
Russia (years ended Sept. 30) .. ..	20,629	19,019	(a)
Sweden .. ..	33,434	30,152	39,290
United States (sales) ..	209,989	202,497	210,811

(a) Information not available.

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

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

Exporting Country	1926	1927	1928
BRITISH EMPIRE			
Canada .. .. .	29,479	25,579	25,090
FOREIGN COUNTRIES			
Austria .. .. .	69	15	82
Belgium-Luxemburg E. U.	430	216	336
Czechoslovakia .. .. .	7,351	9,344	10,343
Finland .. .. .	726	544	709
Germany (including reparations) .. .. .	23,611	22,904	21,650
Netherlands .. .. .	—	3	1,176
Norway—			
Crude .. .. .	16,505	22,602	17,999
Ground .. .. .	3,676	4,611	5,895
Poland .. .. .	—	—	46
Rumania .. .. .	120	—	(a)
Sweden .. .. .	25,692	31,099	34,294

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

Importing Country	1926	1927	1928
BRITISH EMPIRE			
Canada .. .. .	2,180	2,715	2,831
FOREIGN COUNTRIES			
Austria .. .. .	2,149	1,665	2,605
Belgium-Luxemburg E. U.	3,672	10,087	7,729
Czechoslovakia .. .. .	4,552	4,164	3,805
Denmark .. .. .	1,082	781	778
Finland .. .. .	162	41	317
Germany .. .. .	34,481	44,562	41,792
Netherlands .. .. .	(h) 2,005	2,123	5,093
Poland .. .. .	2,880	5,943	6,953
Rumania .. .. .	97	—	(a)
Sweden .. .. .	203	190	16
United States .. .. .	24,977	27,422	27,857

(a) Information not available.

(h) Including calcite.

## FLUORSPAR

### PRODUCTION OF FLUORSPAR

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	35,883	39,724	46,862
South West Africa ..	(a)	979	858
Union of South Africa (shipments) .. ..	8,271	7,462	5,494
Australia .. ..	2,311	1,033	1,126
FOREIGN COUNTRIES			
France .. .. .	41,012	(a)	(a)
Germany—			
Bavaria .. .. .	31,953	} 86,224	36,775
Prussia .. .. .	29,259		
Saxony .. .. .	17,166		
Italy .. .. .	6,220	5,489	4,449
Russia (years ended Sept 30.)	3,706	827	(a)
Spain (i) .. .. .	339	745	(a)
Mexico .. .. .	206	922	(a)
United States (shipments)	114,872	100,487	125,437

(a) Information not available.

(i) In addition, 5,612 cubic yards were produced in quarries during 1926.

### EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	32,878	17,293	19,196
Union of South Africa ..	7,014	4,228	4,110
FOREIGN COUNTRIES			
Austria .. .. .	3	—	—
Belgium-Luxemburg E. U.	123	81	186
Germany (including reparations) .. .. .	38,994	55,501	48,048

## IMPORTS OF FLUORSPAR

*(Less Re-exports)*

(Long tons)

Importing Country	1926	1927	1928
BRITISH EMPIRE			
Canada .. .. .	8,900	4,073	12,823
FOREIGN COUNTRIES			
Austria .. .. .	1,312	2,928	3,904
Belgium-Luxemburg E. U.	1,947	2,421	1,325
Denmark .. .. .	791	765	819
Germany .. .. .	286	705	939
Jugoslavia .. .. .	(a)	613	800
Norway .. .. .	724	1,139	1,312
Sweden .. .. .	2,146	1,812	1,938
United States .. .. .	67,563	63,853	42,128

*(a)* Information not available.

## FULLER'S EARTH

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

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	Not available for publication.		
India .. .. .	3,456	2,718	3,394
<b>FOREIGN COUNTRIES</b>			
United States (sales) ..	209,064	236,141	256,261
Turkey .. .. .	7,063	7,161	(a)

### EXPORTS OF FULLER'S EARTH.

Statistics of exports of fuller's earth are not available.

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

Importing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Union of South Africa ..	93	71	78
Canada .. .. .	(£11,114)	(£15,342)	(£17,791)
Ceylon .. .. .	467	192	128
Australia .. .. .	157	200	166
<b>FOREIGN COUNTRIES</b>			
Egypt .. .. .	147	142	215
United States—			
Crude .. .. .	141	491	316
Prepared .. .. .	7,982	6,277	6,463
Philippine Islands .. ..	1,244	1,453	1,377

(a) Information not available.

## GOLD

## PRODUCTION OF GOLD ORE

(In terms of metal)

(Fine troy ounces)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	—	—	119
Anglo-Egyptian Sudan (exports of bullion) ..	7,380	7,126	5,845
Bechuanaland Protectorate (d) .. .. .	3,807	2,063	1,748
Gold Coast .. .. .	199,545	171,585	167,042
Kenya .. .. .	—	655	814
Nigeria .. .. .	133	22	86
Northern Rhodesia .. .. .	779	350	602
Southern Rhodesia .. .. .	593,429	581,438	576,112
South-West Africa .. .. .	1,701	984	541
Swaziland .. .. .	1,510	1,135	347
Tanganyika Territory .. .. .	8,083	9,546	12,813
Union of South Africa .. .. .	9,954,762	10,122,491	10,354,264
Canada .. .. .	1,754,228	1,852,785	1,890,592
British Guiana .. .. .	6,939	5,932	5,325
India .. .. .	384,100	384,200	376,000
Federated Malay States (i) .. .. .	14,475	11,758	18,693
Sarawak (exports) .. .. .	249	—	—
Australia .. .. .	521,316	508,330	457,683
New Guinea (years ended June 30) .. .. .	5,900	46,000	60,000
New Zealand (l) .. .. .	120,943	125,276	114,481
Papua (years ended June 30) .. .. .	6,384	6,147	1,647
Total .. .. .	13,600,000	13,800,000	14,000,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	1,864	155	—
Czechoslovakia .. .. .	10,031	9,743	8,381
France .. .. .	44,110	34,658	(a)
Germany .. .. .	5,214	5,796	5,432
Italy .. .. .	1,846	1,839	1,865
Jugoslavia .. .. .	7,716	12,400	(a)
Rumania .. .. .	55,652	64,493	58,159

## PRODUCTION OF GOLD ORE (Cont.)

Producing Country	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Russia (years ended Sept. 30) .. .. .	801,520	725,098	(a)
Sweden .. .. .	14,789	24,884	28,935
Belgian Congo .. .. .	129,713	137,055	106,481
Egypt .. .. .	659	61	(a)
French West Africa .. .. .	8,733	9,167	(a)
Madagascar .. .. .	9,857	6,762	(a)
Portuguese East Africa .. .. .	9,146	9,521	3,969
Mexico .. .. .	839,726	725,175	699,102
United States .. .. .	2,232,526	2,107,002	2,194,295
Central America (estimated)	121,000	121,000	121,000
Argentina (estimated) .. .. .	2,400	1,000	(a)
Bolivia .. .. .	332	241	506
Brazil .. .. .	99,606	100,000	(a)
Chile .. .. .	115,597	31,365	(a)
Colombia .. .. .	75,488	72,000	(a)
Dutch Guiana (crude gold)	8,327	7,716	5,498
Ecuador .. .. .	62,000	64,000	(a)
French Guiana .. .. .	42,438	48,360	(a)
Peru .. .. .	91,949	92,656	(a)
Venezuela .. .. .	28,794	43,174	(a)
China (estimated).. .. .	110,000	100,000	(a)
Dutch East Indies .. .. .	115,312	113,055	(a)
Formosa .. .. .	9,911	14,696	(a)
French Indo-China .. .. .	320	320	(a)
Japan .. .. .	292,518	308,864	341,015
Korea .. .. .	230,155	200,000	(a)
Philippine Islands .. .. .	91,242	81,571	(a)
Turkey .. .. .	964	950	(a)
Total .. .. .	5,700,000	5,400,000	5,400,000
<b>WORLD'S TOTAL</b>	<b>19,300,000</b>	<b>19,200,000</b>	<b>19,400,000</b>

(a) Information not available.

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

(i) Quantity placed on the market.

(l) Gold content of exports, excluding jewellers' sweepings.

**EXPORTS OF GOLD**  
*(Domestic Produce)*  
*(In terms of metal)*  
 (Troy ounces)

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Bullion, refined (including re-exports)	5,268,798	5,410,710	13,234,181
Coin (including re-exports)—	1,120,760	1,431,716	934,328
Leaf .. .. .	546	923	1,763
Anglo-Egyptian Sudan—			
Bullion .. .. .	7,380	7,126	5,845
Gold Coast—			
Bullion .. .. .	200,187	171,236	161,275
Kenya and Uganda—			
Bullion .. .. .	871	576	1,909
Nigeria—			
Bullion .. .. .	126	—	—
Northern Rhodesia—			
Bullion .. .. .	635	397	428
Southern Rhodesia—			
Concentrates .. ..	12	222	345
Bullion .. .. .	577,631	570,877	557,493
Tanganyika Territory—			
Bullion .. .. .	7,369	8,525	13,410
Union of South Africa—			
Concentrates, etc. ..	2,520	1,302	654
Bullion .. .. .	7,665,186	6,447,946	5,760,062
Lead bars (gold content)	—	136	—
Coin .. .. .	2,354,959	3,796,227	4,287,826
Canada—			
Bullion .. .. .	2,382,787	625,078	1,523,883
Coin .. .. .	193,841	49	—
British Guiana—			
Bullion .. .. .	4,821	4,877	3,736

(a) Information not available.



EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>			
British Borneo (Sarawak)— Bullion .. .. .	249	—	—
British Malaya (including re-exports)— Bullion .. .. .	128,166	97,316	117,450
Coin .. .. .	92,608	68,116	49,837
India (including re- exports)— Bullion .. .. .	3,948	736	1,986
Coin .. .. .	23,211	4,647	5,100
Australia (years ended June 30)— Ores, etc. .. .. .	1,803	850	422
Bullion .. .. .	81,415	143,446	142,681
Coin (including re-exports) .. .. .	944,000	2,533,882	517,276
New Zealand— Concentrates, sweepings, etc. .. .. .	518	1,167	980
Bullion .. .. .	121,050	124,732	114,307
New Guinea (years ended June 30)— Bullion .. .. .	5,927	46,024	60,339
Papua (years ended June 30)— Bullion .. .. .	5,393	7,057	1,692
<b>FOREIGN COUNTRIES</b>			
Austria— Bullion .. .. .	20,705	50,315	46,167
Coin .. .. .	14,265	12,082	13,471
Drawn and rolled .. .. .	1,093	15,143	22,184
Leaf .. .. .	1,254	1,093	161

## EXPORTS OF GOLD. (Cont.)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U. (c)—			
Bullion, etc. .. ..	2,600	4,000	7,800
Czechoslovakia—			
Bullion .. .. .	2,218	10,577	4,983
Coin (c) .. .. .	3,212	376	155
Leaf .. .. .	96	161	270
Denmark—			
Gold sheets, bars and wire .. .. .	64	—	13
France—			
Bullion .. .. .	48,000	1,000,000	49,000
Coin (c) .. .. .	1,000	24,000	26,000
Drawn or rolled gold ..	9,000	24,000	48,000
Germany—			
Bullion, etc. .. ..	107,767	144,280	136,321
Coin (c) .. .. .	2,185	1,797	3,296
Leaf and tinsel .. ..	830,756	824,230	943,538
Hungary—			
Bullion .. .. .	32	1,961	(a)
Coin .. .. .	145	—	(a)
Italy—			
Bullion, etc. .. ..	1,831	2,797	(a)
Leaf .. .. .	225	675	(a)
Coin .. .. .	—	6,076	(a)
Netherlands—			
Bullion, etc. .. ..	218,523	319,347	4,910
Coin .. .. .	95,082	499,990	81,086
Poland—			
Bullion, etc. .. ..	65	64	64

(a) Information not available.

(c) Including re-exports.

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Spain ( <i>c</i> )—			
Bullion .. .. .	186	—	—
Sweden—			
Bullion, etc. .. ..	5,184	127,100	3,307
Coin ( <i>c</i> ) .. .. .	24,561	27,477	41,324
Switzerland—			
Bullion .. .. .	98,475	178,047	174,382
Coin ( <i>c</i> ) .. .. .	512,092	246,247	10,817
Belgian Congo—			
Bullion .. .. .	89,000	98,000	107,000
Egypt—			
Bullion .. .. .	104,581	128,210	249,515
Coin .. .. .	18	4	3,049
French West Africa—			
Bullion .. .. .	5,868	6,738	684
Madagascar—			
Ore .. .. .	6,324	3,100	1,039
Costa Rica—			
Bullion .. .. .	45,571	75,050	( <i>a</i> )
Guatemala ( <i>c</i> )—			
Bullion .. .. .	417,950	( <i>a</i> )	( <i>a</i> )
Honduras (years ended July 31)—			
Bullion .. .. .	5,912	1,247	( <i>a</i> )
Mexico—			
Bullion .. .. .	286,188	294,974	( <i>a</i> )
Coin .. .. .	62,782	20,287	( <i>a</i> )
Nicaragua—			
Bullion, etc. .. ..	24,143	23,166	15,699
Concentrates .. ..	9,058	6,552	1,854

## EXPORTS OF GOLD (Cont.)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
United States—			
Ore and base bullion ..	10,000	16,000	(a)
Refined bullion ..	461,334	2,496,840	(a)
United States coin ..	5,047,900	4,803,697	(a)
Bolivia			
Bullion .. .. .	332	240	506
Chile—			
Ore, excluding mixed ores .. .. .	9,000	8,000	1,300
Bullion and coin ..	1,116,000	199,000	100
Colombia—			
Bullion .. .. .	90,153	(a)	(a)
Dutch Guiana—			
Bullion .. .. .	8,059	7,716	(a)
French Guiana—			
Bullion .. .. .	44,943	43,745	(a)
Peru—			
Ores, concentrates, etc.	37,646	36,235	(a)
Gold in base metals, etc.	64,821	54,172	(a)
Other gold .. .. .	—	240	(a)
Coin .. .. .	4,000	328,500	(a)
China (c)—			
Bullion .. .. .	322,000	110,000	2,000
Coin .. .. .	14,000	2,000	7,000
Dutch East Indies (c)—			
Bullion .. .. .	116,529	100,769	86,854
Coin .. .. .	70,938	44,613	(b) 33,402
Japan—			
Bullion .. .. .	125	—	—
Coin .. .. .	774,000	871,000	—

EXPORTS OF GOLD (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Korea ( <i>c</i> )—			
Ore .. .. .	32,474	34,996	( <i>a</i> )
Persia ( <i>l</i> )—			
Bullion .. .. .	—	1,468	( <i>a</i> )
Coin .. .. .	87	14,442	( <i>a</i> )
Philippine Islands—			
Ore .. .. .	600	500	( <i>a</i> )
Bullion .. .. .	156,304	141,134	( <i>a</i> )

(*a*) Information not available.

(*b*) Java and Madura only.

(*c*) Including re-exports.

(*l*) Years ended March 20 of the year stated.

## IMPORTS OF GOLD

*(Less Re-exports)**(In terms of metal)*

(Troy ounces)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore, etc... ..	64,097	59,470	59,374
Bullion (b)—			
Unrefined .. ..	1,064,901	866,753	702,631
Refined .. ..	6,451,649	6,042,648	13,234,181
Coin (b) .. ..	1,702,504	717,975	2,843,210
Leaf .. ..	45,347	52,756	59,878
Anglo-Egyptian Sudan—			
Coin .. ..	1,751	(h) 23,084	(h) 2,447
Gold Coast—			
Bullion .. ..	—	3,092	3,438
Kenya and Uganda—			
Bullion .. ..	11,232	15,993	12,954
Coin .. ..	—	5,385	4,606
Mauritius—			
Coin .. ..	2,900	2,293	1,116
Nigeria—			
Bullion .. ..	1,185	1,081	782
Southern Rhodesia (b)—			
Coin .. ..	109	2,590	10,839
Tanganyika Territory—			
Bullion .. ..	404	460	542
Union of South Africa (b)—			
Bullion .. ..	8,461	11,363	4,512
Coin .. ..	32,633	11,716	3,976

*(b)* Total imports.*(h)* Excess of re-exports.

## IMPORTS OF GOLD (Cont.)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE (Cont.)			
Zanzibar—			
Bullion .. .. .	634	—	—
Coin .. .. .	867	—	—
Canada—			
Bullion, etc. .. .. .	99,283	36,137	(h)1,031,306
Coin .. .. .	1,021,781	(h)556,704	(h)1,377,046
British Guiana—			
Bullion .. .. .	496	271	194
West Indies—			
Trinidad and Tobago—			
Bullion .. .. .	1,287	(h)17	—
Coin .. .. .	7,954	1,370	3,546
British Borneo (Sarawak) (b)			
Leaf .. .. .	7,352	4,660	1,820
Ceylon—			
Coin .. .. .	138,800	240,897	177,667
British Malaya (b)—			
Bullion .. .. .	597,158	307,559	182,519
Coin .. .. .	596,395	423,346	220,029
India (b)—			
Bullion .. .. .	2,715,757	1,718,328	2,159,815
Coin .. .. .	1,383,831	1,164,856	1,590,124
Australia (years ended June 30)—			
Ore, etc. .. .. .	1,220	12,978	9,265
Bullion, etc. .. .. .	68,925	114,735	101,870
Coin (b) .. .. .	13,850	19,135	127,014
Fiji—			
Bullion .. .. .	—	11	6,240
New Zealand—			
Bullion, etc. .. .. .	513	373	779
Gold leaf .. .. .	706	567	690
Coin .. .. .	—	—	(h)141,720

## IMPORTS OF GOLD (Cont.)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	341,947	445,663	344,391
Coin .. .. .	2,026	—	27
Drawn and rolled ..	2,443	3,279	3,729
Leaf .. .. .	19,258	23,437	28,388
Belgium-Luxemburg E.U.—			
Bullion, etc. .. ..	33,500	42,500	80,700
Czechoslovakia—			
Bullion .. .. .	5,144	16,525	22,072
Coin (b) .. .. .	29	926	235
Leaf .. .. .	1,615	1,474	1,573
Denmark—			
Bullion and wire ..	3,183	3,537	3,215
Estonia—			
Leaf .. .. .	153	113	899
Finland—			
Bullion .. .. .	754	131	139
Sheet and wire.. ..	173	230	251
France—			
Bullion .. .. .	145,000	70,000	12,377,000
Coin .. .. .	4,000	—	13,000
Drawn or rolled ..	20,000	14,000	15,000
Germany—			
Ore .. .. .	400	1,600	600
Scrap .. .. .	52,000	36,000	136,321
Bullion, etc. .. ..	3,132,000	1,655,000	10,292,000
Coin (b) .. .. .	2,742,797	568,800	192,370
Leaf and tinsel.. ..	2,443	4,051	5,337
Hungary—			
Bullion .. .. .	9,774	18,197	36,362
Coin .. .. .	58	260	5,423

(a) Information not available.

(b) Total imports.



IMPORTS OF GOLD (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Italy (total imports)—			
Bullion, etc. .. ..	126,574	179,429	215,855
Coin .. .. .	47,575	256,653	9,746
Jugoslavia—			
Bullion, etc. .. ..	(a)	5,177	96
Lithuania—			
Bullion .. .. .	23,751	8,272	(a)
Netherlands—			
Bullion, etc. .. ..	488,294	121,302	308,190
Coin .. .. .	97,840	401,596	466,769
Norway (total imports)—			
Bullion, etc. .. ..	3,536	3,428	3,464
Poland—			
Bullion, etc. .. ..	3,933	19,451	1,657,140
Coin .. .. .	8,281	5,275	6,935
Rumania—			
Bullion .. .. .	13	(a)	(a)
Spain (total imports)—			
Bullion, etc. .. ..	122	681	630
Coin .. .. .	35,784	69,283	206
Sweden—			
Bullion, etc. .. ..	4,389	7,454	176,323
Coin (total imports) ..	—	141,436	8
Switzerland—			
Bullion .. .. .	479,357	506,330	795,391
Coin (total imports) ..	10,619	42,211	71,947
Egypt (total imports)—			
Bullion, etc. .. ..	129,195	96,429	232,667
Coin .. .. .	50,000	81,600	49,000
Tunis (total imports)—			
Coin, etc. .. ..	28	52	2

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Salvador—			
Coin .. .. .	(a)	256	(a)
United States—			
Ore and base bullion ..	1,010,000	1,033,000	(a)
Refined bullion ..	3,501,649	4,207,690	(a)
Coin .. .. .	5,763,000	6,490,708	(a)
Argentina—			
Bullion .. ... ..	1,116	784	(a)
Leaf .. .. .	21,733	22,601	(a)
Brazil (total imports)—			
Bullion, etc. .. ..	840	1,288	567
Coin .. .. .	31,000	428,000	1,071,000
Colombia—			
Bullion .. .. .	1,795	(a)	(a)
Venezuela—			
Coin .. .. .	82,512	40,504	(a)
China (total imports)—			
Bullion .. .. .	34,000	54,000	108,000
Coin .. .. .	23,000	14,000	100,000
Dutch East Indies—			
Bullion .. .. .	90,509	46,455	26,827
Coin .. .. .	90,055	257,301	294,105
Leaf .. .. .	4,542	1,891	17,746
French Indo-China—			
Bullion and wire ..	30,157	120,305	130,529
Leaf .. .. .	89,859	579	900
Japan (total imports)—			
Bullion .. .. .	420	36	9,193
Coin .. .. .	2,900	10	—

IMPORTS OF GOLD (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Persia (total imports) ( <i>z</i> )—			
Bullion .. .. .	1	—	( <i>a</i> )
Coin .. .. .	4,000	1,289	( <i>a</i> )
Philippine Islands—			
Coin .. .. .	19,000	14,000	( <i>a</i> )
Siam (total imports)—			
Bullion .. .. .	50,902	63,682	72,521
Coin .. .. .	140	529	428
Leaf .. .. .	167,922	150,054	( <i>a</i> )
Turkey			
Bullion, etc. .. ..	1,222	1,704	( <i>a</i> )

(*a*) Information not available.

(*z*) Years ended March 20 of the year stated.

## GRAPHITE

### PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Tanganyika Territory ..	—	—	6
Union of South Africa ..	46	57	50
Canada (sales) .. ..	2,435	1,633	979
Ceylon (exports) .. ..	11,623	12,884	14,347
Australia .. .. .	—	10	—
Total ..	14,100	14,600	15,400
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	14,523	17,773	23,843
Czechoslovakia .. ..	30,323	40,464	31,821
France .. .. .	935	(a)	(a)
Germany .. .. .	14,078	17,492	17,187
Italy .. .. .	9,453	8,262	6,919
Russia (years ended Sept 30.)	6,304	6,749	1,867
Spain .. .. .	593	346	(a)
Madagascar .. .. .	15,651	14,526	13,678
Mexico .. .. .	4,364	5,745	4,893
United States (sales) ..	4,884	4,649	5,010
French Indo-China (i) ..	801	405	—
Japan .. .. .	491	623	435
Korea .. .. .	15,504	17,600	21,000
Total ..	120,000	130,000	128,000
<b>WORLD'S TOTAL</b>	130,000	140,000	140,000

(a) Information not available.

(i) Mines production not being available, the quantity refers to refined graphite (83-86 per cent.)

## EXPORTS OF GRAPHITE

*(Domestic Produce)*

(Long tons)

Exporting Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Crucibles .. ..	3,424	3,322	3,931
Canada .. ..	2,289	1,517	940
Ceylon .. ..	11,623	12,884	14,347
Australia (including foundry- black) .. ..	25	21	17
FOREIGN COUNTRIES			
Austria .. ..	11,420	15,736	18,844
Belgium-Luxemburg E.U.—			
Crude and ground graphite	66	185	98
Crucibles, etc. .. ..	18	2	24
Czechoslovakia .. ..	9,004	13,060	11,861
Denmark .. ..	93	37	61
France .. ..	1,649	3,194	4,213
Germany (including repara- tions) .. ..	3,411	3,462	4,299
Hungary .. ..	56	17	18
Italy .. ..	4,092	3,922	4,308
Jugoslavia .. ..	13	—	29
Norway .. ..	15	1	—
Poland .. ..	31	131	44
Rumania .. ..	(a)	6	(a)
Sweden .. ..	8	15	4
Madagascar .. ..	11,270	14,103	13,680
Mexico .. ..	4,365	5,302	4,893
United States .. ..	361	(i) 1,624	(i) 1,967
French Indo-China .. ..	667	371	98
Japan .. ..	5,423	6,238	5,985

(a) Information not available.

(i) Including manufactures.

## IMPORTS OF GRAPHITE

*(Less Re-exports)*

(Long tons)

Importing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Natural .. .. .	13,532	12,637	15,215
Artificial .. .. .	88	61	254
Crucibles .. .. .	230	213	152
Southern Rhodesia .. .. .	10	6	10
Union of South Africa .. .. .	131	161	227
Canada—			
Unground .. .. .	(£790)	(£300)	(£826)
Crucibles .. .. .	(£12,512)	(£12,507)	(£11,389)
India (total imports by sea)—			
Graphite .. .. .	201	214	586
Crucibles .. .. .	190	196	177
Australia (including foun-dry-black) .. .. .	742	693	635
New Zealand—			
Crucibles .. .. .	(£1,892)	(£1,340)	(£2,050)
FOREIGN COUNTRIES			
Austria .. .. .	562	549	496
Belgium-Luxemburg E.U.—			
Crude and ground graphite	2,341	1,941	1,956
Crucibles, etc. .. .. .	546	659	674
Bulgaria .. .. .	26	96	(a)
Czechoslovakia .. .. .	1,012	2,714	4,276
Denmark .. .. .	460	592	883
Finland .. .. .	96	53	89
France .. .. .	9,367	7,418	10,750
Germany .. .. .	15,662	25,762	26,520
Hungary .. .. .	1,257	1,192	1,160
Italy .. .. .	1,871	967	859
Jugoslavia .. .. .	1,750	1,169	1,069
Latvia .. .. .	29	19	44
Norway—			
Graphite .. .. .	33	30	34
Crucibles .. .. .	38	43	42
Poland .. .. .	187	381	372
Portugal .. .. .	13	21	(a)
Rumania .. .. .	607	677	(a)

IMPORTS OF GRAPHITE (*Cont.*)

Importing Country	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Russia (years ended Sept. 30)	500	701	547
Sweden .. .. .	413	389	472
Egypt .. .. .	78	59	57
Tunis—			
Graphite .. .. .	4	5	6
Crucibles .. .. .	10	13	7
Mexico .. .. .	68	64	( <i>a</i> )
United States .. .. .	14,459	15,561	15,931
Argentina .. .. .	219	343	443
Chile .. .. .	59	66	90
Peru .. .. .	34	18	( <i>a</i> )
Dutch East Indies .. .. .	123	130	137
French-Indo China .. .. .	13	20	( <i>a</i> )
Japan (total imports) .. .. .	1,021	976	973

(*a*) Information not available.

## GYPSUM

## PRODUCTION OF GYPSUM

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	465,191	506,350	634,645
Union of South Africa ..	11,029	15,187	14,637
Canada .. .. .	831,422	987,236	1,171,109
Cyprus (shipments) ..	17,677	15,139	11,426
Palestine .. .. .	—	1,140	1,341
India .. .. .	34,473	38,105	59,050
Australia .. .. .	80,565	122,842	118,867
<b>Total ..</b>	<b>1,400,000</b>	<b>1,700,000</b>	<b>1,900,000</b>
<b>FOREIGN COUNTRIES</b>			
Austria (exports less im- ports) .. .. .	21,741	24,799	28,100
Esthonia .. .. .	4,751	11,979	7,856
France .. .. .	2,412,900	(a)	(a)
Germany—			
Bavaria .. .. .	44,956	58,779	(a)
Greece .. .. .	9,158	1,982	—
Italy (including alabaster)	645,194	663,287	569,351
Jugoslavia (Serbia only) ..	610	1,046	1,152
Luxemburg .. .. .	33,447	7,724	14,167
Rumania (k) .. .. .	43,616	76,496	47,030
Russia (years ended Sept. 30) .. .. .	303,295	278,532	(a)
Spain (k) .. .. .	719,816	896,950	(a)
Sweden .. .. .	135	88	49
Algeria (including alabaster)	72,408	(a)	68,000
United States .. .. .	5,031,644	4,774,007	4,555,580
Chile .. .. .	6,880	8,245	(a)
Peru .. .. .	11,521	9,891	(a)
China (exports) .. .. .	3,721	2,431	3,214
Japan .. .. .	260,803	74,306	(a)
Philippine Islands ..	381	(a)	(a)
<b>Total ..</b>	<b>9,600,000</b>	<b>9,300,000</b>	<b>(a)</b>
<b>WORLD'S TOTAL</b>	<b>11,000,000</b>	<b>10,900,000</b>	<b>(a)</b>

(a) Information not available.

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



## EXPORTS OF GYPSUM

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Calcined .. .. .	6,294	6,092	7,043
Union of South Africa—			
Crude and calcined ..	9	283	219
Canada—			
Crude .. .. .	596,486	525,721	736,193
Calcined .. .. .	8,984	5,854	7,350
Cyprus—			
Crude .. .. .	1,272	1,361	378
Calcined .. .. .	19,138	13,789	11,048
Australia (including re-exports)			
Crude .. .. .	5,759	6,662	5,230
Calcined .. .. .	553	386	746
FOREIGN COUNTRIES			
Austria—			
Crude, ground and calcined	23,097	26,303	29,965
Belgium-Luxemburg E.U.—			
Crude .. .. .	6,757	3,807	1,027
Ground and calcined	6,334	7,002	12,117
Czechoslovakia—			
Crude and calcined ..	41	222	95
Denmark—			
Crude, ground and calcined	6	5	4
Estonia .. .. .	2,378	3,188	3,854
France .. .. .	253,329	262,853	320,938
Germany (including reparations)—			
Gypsum and phosphatic gypsum .. .. .	104,050	134,038	142,022
Hungary—			
Calcined .. .. .	—	46	24
Italy—			
Crude .. .. .	742	6,056	8,148
Calcined .. .. .	1,161	759	930
Alabaster, crude ..	2,036	3,275	3,522

EXPORTS OF GYPSUM (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Latvia—			
Crude .. .. .	19,723	} 24,076	27,577
Ground and calcined ..	1,552		
Jugoslavia .. .. .	310	891	294
Netherlands .. . . .	90	118	268
Poland—			
Crude gypsum .. .. .	239	2,332	3,297
Ground and calcined ..	119	1,009	1,519
Portugal—			
Crude .. .. .	31	33	(a)
Rumania .. .. .	14,495	5,468	(a)
Spain (including re-exports)..	3,165	(d) 8,731	(a)
Switzerland—			
Crude, including limestone	580	1,226	1,212
Ground and calcined ..	104	20	32
Egypt—			
Calcined .. .. .	39	—	—
Mexico .. .. .	70,648	68,407	92,586
United States—			
Crude and ground .. .. .	} 17,509	16,589	{ 2,112
Calcined and manufactures			
Argentina .. .. .	997	541	995
Chile .. .. .	3	6	—
China .. .. .	3,721	2,431	3,214

(a) Information not available.

(d) Including calcium carbonate, etc.

## IMPORTS OF GYPSUM

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Crude, including alabaster ..	34,734	47,752	58,614
Calcined .. .. .	1,322	2,804	4,888
Irish Free State—			
Calcined .. .. .	4,676	4,586	5,402
Southern Rhodesia—			
Crude and calcined ..	474	751	1,152
Union of South Africa—			
Crude and calcined ..	439	539	774
Canada—			
Crude .. .. .	833	975	979
Ground .. .. .	187	99	229
Calcined .. .. .	4,604	6,264	9,432
Newfoundland (years ended June 30)—			
Crude and calcined ..	(£1,025)	(£416)	(£261)
Palestine (total imports)—			
Crude and calcined ..	1,075	841	(a)
Australia—			
Crude and calcined ..	4,333	3,495	3,974
New Zealand—			
Crude .. .. .	4,348	8,021	5,278
Calcined .. .. .	7,012	8,369	10,022
FOREIGN COUNTRIES			
Austria—			
Crude, ground and calcined	1,356	1,489	1,865
Belgium-Luxemburg E.U.—			
Crude .. .. .	128,046	131,608	160,227
Ground and calcined ..	38,608	33,856	46,811
Alabaster, crude .. ..	34	24	39
Bulgaria .. .. .	3,608	5,587	(a)
Czechoslovakia—			
Crude and calcined ..	55,078	61,573	75,727
Denmark—			
Crude, ground and calcined	22,800	21,322	25,324
Estonia .. .. .	85	40	37

(a) Information not available.

IMPORTS OF GYPSUM (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Finland—			
Crude .. .. .	11,129	14,074	14,882
Calcined .. .. .	13,705	18,225	23,264
France—			
Alabaster .. .. .	318	154	157
Calcined .. .. .	10,992	4,810	8,971
Germany—			
Gypsum and phosphatic gypsum .. .. .	6,686	12,415	15,411
Greece—			
Calcined .. .. .	82	91	118
Hungary—			
Ground .. .. .	84	163	128
Calcined .. .. .	16,165	24,927	25,208
Italy—			
Crude .. .. .	1,338	1,330	885
Calcined .. .. .	1,365	1,257	997
Alabaster crude .. .. .	12	—	1
Jugoslavia—			
Ground and calcined ..	1,235	1,435	1,600
Lithuania—			
Ground and calcined ..	391	363	411
Netherlands .. .. .	21,177	24,442	25,753
Norway—			
Ground .. .. .	5,805	9,408	9,770
Poland—			
Crude .. .. .	17	11	25
Ground and calcined ..	2,092	3,475	3,730
Portugal—			
Crude .. .. .	4,505	4,434	(a)
Calcined .. .. .	256	520	(a)
Rumania—	80	8,077	(a)
Sweden—			
Crude .. .. .	11,784	10,443	11,416
Ground and calcined ..	5,417	5,679	5,586
Switzerland—			
Crude, including limestone	3,458	3,496	2,781
Calcined .. .. .	4,111	4,112	3,726

IMPORTS OF GYPSUM (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Angola .. .. .	35	39	(a)
Egypt—			
Calcined .. .. .	22,179	14,388	11,551
Morocco .. .. .	5,997	5,524	7,687
Mozambique—			
Crude and calcined.. ..	185	315	(a)
Tunis—			
Alabaster .. .. .	3	3	1
Costa Rica (total imports) ..	25	45	(a)
Cuba (total imports) .. ..	6,746	7,031	(a)
United States—			
Crude .. .. .	735,787	739,838	918,588
Ground, calcined and manu- factured .. .. .	(£43,621)	(£46,129)	(£41,352)
Argentina .. .. .	1,390	1,680	2,273
Chile .. .. .	105	35	48
Colombia—			
Ground .. .. .	127	(a)	(a)
Uruguay—			
Ground .. .. .	1,369	1,520	(a)
Venezuela .. .. .	40	55	(a)
Dutch East Indies .. .. .	130	372	(b) 26
Formosa .. .. .	1,581	1,859	(a)
French Indo-China—			
Calcined .. .. .	196	193	(a)
Japan (total imports) .. ..	11,875	14,959	22,575
Philippine Islands .. .. .	(a)	1,343	1,899

(a) Information not available.

(b) Java and Madura only.

## IRON AND STEEL.

## PRODUCTION OF IRON ORE.

*(including Manganiferous Iron Ore).*

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	(b) 4,094,386	11,211,820	11,263,129
Northern Rhodesia .. ..	—	3,419	4,466
Southern Rhodesia .. ..	1,893	470	3,062
South-West Africa .. ..	(d) 18,956	21,409	29,923
Union of South Africa .. ..	46,696	76,299	20,568
Newfoundland (shipments)	865,715	1,335,429	1,547,895
India .. .. .	1,659,295	1,846,735	2,055,981
Unfederated Malay States	295,610	458,279	644,635
Australia .. .. .	740,649	884,806	675,092
Total ..	7,700,000	15,800,000	16,100,000
FOREIGN COUNTRIES			
Austria .. .. .	1,077,088	1,573,323	1,897,729
Belgium .. .. .	142,690	178,033	(a)
Czechoslovakia .. .. .	1,398,728	1,565,407	1,751,076
France .. .. .	38,696,700	44,949,611	48,548,774
Germany (n) .. .. .	4,717,649	6,520,865	6,372,357
Greece .. .. .	123,358	122,522	164,269
Hungary .. .. .	129,768	191,330	196,395
Italy (o) .. .. .	514,529	512,614	630,963
Jugoslavia .. .. .	360,834	330,791	432,539
Luxemburg .. .. .	7,633,741	7,151,489	6,915,853
Norway .. .. .	209,302	471,764	652,241
Poland .. .. .	311,840	537,741	725,119
Portugal .. .. .	1,614	7,491	(a)
Rumania .. .. .	101,175	95,604	82,544
Russia (years ended Sept. 30) .. .. .	3,376,253	4,736,991	5,829,509
Spain .. .. .	3,140,230	4,893,184	5,418,420
Sweden .. .. .	8,332,207	9,508,395	4,595,064

## PRODUCTION OF IRON ORE (Cont.)

Producing Country	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Switzerland (exports) ..	49,205	80,371	64,664
Algeria .. .. .	1,604,000	1,998,018	1,974,409
Belgian Congo .. ..	111,687	(a)	(a)
Morocco (French Zone) ..	(a)	1,033	(a)
Morocco (Spanish Zone) ..	468,700	936,774	(a)
Tunis .. .. .	574,000	901,000	895,000
Cuba (shipments) .. ..	578,092	414,847	(a)
Mexico .. .. .	91,513	(a)	(a)
United States (l) .. ..	68,822,724	63,199,518	63,373,200
Chile .. .. .	1,374,352	1,484,465	(a)
Japan .. .. .	128,183	156,494	(a)
Korea .. .. .	381,593	415,886	(a)
Manchuria.. .. .	557,595	620,644	(a)
Total (j) ..	146,000,000	154,000,000	156,000,000
WORLD'S TOTAL (j)	154,000,000	170,000,000	172,000,000

(a) Information not available.

(b) Excluding a small amount mined in Northern Ireland.

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

(j) See notes (l), (n) and (o).

(l) Including shipments of manganiferous ore as follows:—

	5-10 per cent. Mn.	10-35 per cent. Mn.
1926 ..	835,412 long tons	364,312 long tons
1927 ..	1,310,127 " "	148,291 " "
1928 ..	1,085,401 " "	90,711 " "

(n) Including manganiferous ore as follows:—

	Under 12 per cent. Mn.	12-30 per cent. Mn.
1926 ..	2,433,367 long tons	195,203 long tons
1927 ..	3,183,639 " "	305,419 " "
1928 ..	(a)	175,537

(o) Including manganiferous ore of 30 per cent. Mn. and less as follows:—

1926 .. .. .	17,942 long tons
1927 .. .. .	17,273 " "
1928 .. .. .	15,354 " "

## EXPORTS OF IRON ORE

*(Domestic Produce)*

(Long tons)

Exporting Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	7,912	7,110	15,366
Canada .. ..	678	2,209	2,335
Newfoundland (years ended June 30) .. ..	1,063,973	929,159	1,542,292
British Malaya (c) .. ..	276,444	423,990	664,703
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	39,537	144,662	305,465
Belgium-Luxemburg E. U.	1,399,381	888,559	883,642
Czechoslovakia .. ..	166,984	259,886	242,075
France .. ..	11,056,474	14,433,113	16,786,053
Germany .. ..	167,459	164,665	176,319
Greece .. ..	11,023	56,247	68,953
Hungary (including burnt pyrites) .. ..	28,098	30,805	53,199
Italy .. ..	492	2,835	33,898
Jugoslavia .. ..	(a)	314,185	364,009
Netherlands .. ..	(a)	34	72
Norway .. ..	126,360	373,761	537,687
Poland .. ..	81,438	90,056	114,849
Portugal .. ..	1,968	6,407	(a)
Rumania .. ..	(a)	10,198	(a)
Russia (years ended Sept. 30) .. ..	147,339	401,246	421,658
Spain (c) .. ..	1,827,645	4,682,410	5,335,602
Sweden .. ..	7,532,506	10,546,524	5,012,512
Switzerland .. ..	49,205	80,371	64,664
Algeria .. ..	1,118,973	2,312,193	2,077,014
Tunis (c) .. ..	467,265	976,871	877,625
Cuba (c) .. ..	532,359	272,616	(a)
United States .. ..	868,710	898,793	1,282,306
Chile .. ..	1,374,352	1,484,465	1,500,694
China .. ..	517,118	493,905	910,361
Korea (c) .. ..	(£74,949)	(£106,097)	(a)
Turkey .. ..	167	—	(a)

(a) Information not available.

(c) Including re-exports.



## IMPORTS OF IRON ORE

*(Less Re-exports)*

(Long tons)

Importing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	2,087,725	5,163,489	4,439,866
Canada .. ..	1,308,674	1,328,005	1,984,729
British Malaya (b) ..	14	—	—
Australia .. ..	7	23	—
FOREIGN COUNTRIES			
Austria .. ..	1,288	1,716	1,270
Belgium-Luxemburg E. U.	10,674,998	12,477,688	13,404,149
Czechoslovakia .. ..	753,383	713,653	1,222,158
Finland .. ..	7,252	825	404
France .. ..	1,344,944	1,030,787	982,529
Germany .. ..	9,399,904	17,133,934	13,576,584
Hungary (including burnt pyrites) .. ..	332,537	396,202	426,012
Italy .. ..	224,427	127,894	60,781
Netherlands .. ..	194,122	385,437	503,772
Norway .. ..	111	323	4,077
Poland .. ..	200,142	578,874	410,453
Rumania .. ..	(a)	3,800	(a)
Spain (b) .. ..	246	1,776	5,507
Sweden .. ..	10	5	26
Switzerland.. ..	35,670	51,589	53,489
Tunis .. ..	9,257	6,347	4,703
United States .. ..	2,555,441	2,620,717	2,452,646
Chile .. ..	—	—	19
Japan (b) .. ..	780,086	922,681	1,591,437

(a) Information not available.

(b) Total imports.

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

(Long tons)

Port	1926	1927	1928
ENGLAND AND WALES			
North-East—			
Grimsby, including Im- mingham .. ..	72,934	125,065	122,516
Hartlepool .. ..	—	150	380
Middlesbrough .. ..	735,033	1,658,576	1,252,954
Newcastle, including			
Shields .. ..	158,032	568,739	428,795
Stockton .. ..	286	7,031	915
Sunderland .. ..	16,570	101,890	142,835
North-West—			
Barrow-in-Furness .. ..	71,961	146,651	87,363
Lancaster .. ..	—	27,864	—
Liverpool .. ..	74,682	202,830	96,047
Manchester .. ..	48,340	97,539	72,960
Maryport .. ..	47,398	60,713	—
South-West—			
Cardiff .. ..	213,404	510,923	536,619
Newport .. ..	224,915	423,383	561,936
Port Talbot .. ..	98,894	147,851	236,474
Swansea .. ..	—	999	—
SCOTLAND			
Ardrossan .. ..	48,153	213,828	103,262
Ayr .. ..	17,645	60,263	2,230
Glasgow .. ..	119,996	541,465	422,857
Grangemouth .. ..	87,036	184,589	212,636
Troon .. ..	—	18,246	5,754

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

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	2,458,200	7,292,900	6,610,100
Union of South Africa ..	20,060	30,127	8,914
Canada .. .. .	814,733	766,211	1,082,768
India .. .. .	893,413	1,145,143	957,333
Australia .. .. .	438,698	517,224	410,873
New Zealand .. .. .	3,997	3,383	6,362
Total ..	4,630,000	9,750,000	9,100,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	326,398	425,914	451,210
Belgium .. .. .	3,315,148	3,650,510	3,843,641
Czechoslovakia .. .. .	1,070,801	1,240,457	1,544,480
Finland .. .. .	8,731	11,673	(a)
France—			
Saar .. .. .	1,599,042	1,742,752	1,905,606
Other districts .. .. .	9,281,091	9,126,659	9,823,254
Germany .. .. .	9,483,866	12,882,078	11,617,897
Hungary .. .. .	184,847	295,495	280,953
Italy .. .. .	549,715	521,126	499,467
Jugoslavia .. .. .	18,472	22,293	28,841
Luxemburg .. .. .	2,518,733	2,689,339	2,726,312
Netherlands .. .. .	140,253	200,475	254,146
Norway .. .. .	95,774	117,943	132,339
Poland .. .. .	322,299	608,439	673,149
Rumania .. .. .	61,984	62,495	(a)
Russia (years ended Sept. 30)	2,242,800	2,972,002	3,228,684
Spain .. .. .	480,978	583,703	560,000
Sweden .. .. .	492,779	447,325	430,602
Mexico .. .. .	59,702	39,164	47,490
United States .. .. .	39,372,729	36,565,645	38,155,714
Brazil .. .. .	(a)	15,331	11,977
China (estimated) .. .. .	300,000	300,000	300,000
Japan (l) .. .. .	808,352	896,866	1,059,854
Korea .. .. .	113,219	126,984	143,715
Manchuria .. .. .	195,014	240,346	280,181
Philippine Islands .. .. .	300	197	(a)
Total ..	73,000,000	75,800,000	78,100,000
WORLD'S TOTAL	77,600,000	85,600,000	87,200,000

(a) Information not available.

(l) Including pig-iron produced at government and other steel works for conversion into steel.

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

Producing Country.	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Hematite .. ..	814,700	2,452,600	2,138,900
Basic .. .. .	758,800	2,359,000	2,432,200
Foundry .. ..	668,800	1,888,600	1,538,800
Forge .. .. .	105,000	276,600	268,500
Other kinds of pig-iron	64,600	133,700	84,200
Spiegeleisen .. ..	14,000	17,600	31,500
Ferro-manganese .. ..	28,100	156,400	114,600
Ferro-silicon .. ..	4,200	8,400	1,400
Canada—			
Basic .. .. .	469,630	523,701	724,561
Foundry .. .. .	243,307	145,787	233,136
Malleable .. .. .	44,380	40,209	79,838
Ferro-alloys .. .. .	57,416	56,514	45,233
India—			
Basic .. .. .	326,439	306,901	229,955
Foundry and forge .. ..	559,721	828,230	718,829
Direct castings .. ..	3,750	4,920	5,316
Ferro-manganese .. ..	10,503	5,092	3,233
<b>FOREIGN COUNTRIES</b>			
Austria—			
Basic .. .. .	314,978	407,116	430,607
Foundry .. .. .	11,420	18,798	20,603
Belgium—			
Basic .. .. .	3,100,593	3,453,344	} 3,843,641
Foundry, hematite .. ..	60,459	53,137	
phosphoric .. .. .	117,152	107,662	
Ferro-alloys .. .. .	36,944	36,367	
Czechoslovakia—			
Basic .. .. .	889,543	1,012,593	1,274,767
Foundry .. .. .	173,776	221,528	262,312
Ferro-alloys .. .. .	7,482	6,336	7,401
France—			
Saar—			
Basic .. .. .	1,401,936	1,534,958	1,700,319
Foundry and castings	197,106	207,794	205,286
Other districts—			
Basic .. .. .	6,908,186	7,050,013	7,657,093
Bessemer .. .. .	48,644	21,678	11,607
Foundry .. .. .	1,581,032	1,533,476	1,482,884
Forge .. .. .	420,284	290,888	310,938

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

Producing Country	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
France (Cont.)—			
Other districts (Cont.)—			
Spiegeleisen .. ..	76,153	148,255	100,283
Ferro-manganese .. ..	47,191	36,185	63,152
Ferro-silicon .. ..	26,913	22,338	32,753
Other pig-iron and ferro-alloys .. ..	172,688	23,826	164,544
Germany—			
Basic .. ..	5,902,806	7,763,782	7,199,985
Bessemer .. ..	15,279	15,413	14,633
Foundry .. ..	1,624,255	2,284,018	2,137,655
Forge, etc. .. ..	11,163	21,886	15,470
Manganese pig-iron (i) and ferro-alloys .. ..	1,930,363	2,796,979	2,250,154
Italy—			
Coke iron .. ..	481,430	457,746	(a)
Charcoal iron .. ..	354	—	(a)
Electric, etc. .. ..	23,532	23,690	(a)
Spiegeleisen .. ..	18,799	11,758	(a)
Ferro-manganese .. ..	12,878	13,650	(a)
Ferro-silicon .. ..	9,221	10,880	(a)
Other ferro-alloys .. ..	3,501	3,402	(a)
Luxemburg—			
Basic .. ..	2,426,438	2,603,518	2,667,793
Foundry .. ..	85,912	72,657	53,916
Forge .. ..	6,383	5,192	4,603
Ferro-alloys .. ..	—	7,972	—
Norway—			
Electric .. ..	3,204	12,580	15,004
Ferro-alloys .. ..	92,570	105,363	117,335
Poland—			
Foundry .. ..	89,215	172,019	154,152
Basic .. ..	20,178	—	—
Acid .. ..	190,438	398,170	486,839
Castings .. ..	1,089	1,117	1,161
Ferro-alloys .. ..	21,281	36,375	30,997
Russia (years ended Sept. 30)—			
Foundry .. ..	} 2,182,904	691,026	} 3,228,684
Basic .. ..		2,121,659	
Castings .. ..		13,129	
Other kinds .. ..		81,053	

(a) Information not available.

(i) Containing 4-8 per cent. manganese.

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

Producing Country.	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Russia (years ended Sept. 30) (Cont.)—			
Ferro-manganese .. ..	26,454	32,132	(a)
Spiegeleisen .. ..	28,904	28,771	(a)
Ferro-silicon .. ..	4,111	4,245	(a)
Other ferro-alloys .. ..	427	7	(a)
Spain—			
Pig-iron .. ..	479,157	581,141	556,000
Ferro-manganese .. ..	1,617	2,162	4,066
Ferro-silicon .. ..	204	400	144
Sweden—			
Open hearth, acid .. ..	143,555	128,636	124,384
basic .. ..	57,078	58,234	54,657
Bessemer, acid .. ..	32,031	28,482	30,740
basic .. ..	99,332	80,127	65,729
Foundry .. ..	65,356	74,330	71,286
Forge .. ..	48,188	32,465	35,281
Direct castings .. ..	9,316	8,893	7,759
Ferro-manganese .. ..	1,967	1,808	2,250
Ferro-silicon .. ..	20,143	23,461	23,484
Other ferro-alloys .. ..	15,813	11,889	15,032
United States—			
Basic .. ..	21,168,407	19,357,064	22,124,410
Bessemer and low phos- phorus .. ..	10,042,324	9,105,915	9,013,847
Foundry .. ..	5,506,968	5,504,419	4,209,790
Forge .. ..	216,277	144,532	88,362
Malleable .. ..	1,681,897	1,699,583	1,922,970
Other pig-iron .. ..	82,544	46,719	42,269
Spiegeleisen .. ..	76,215	100,720	419,213
Ferro-manganese .. ..	318,891	293,626	
Ferro-silicon .. ..	245,605	278,277	303,595
Other ferro-alloys .. ..	33,601	34,790	31,258
Japan—			
Pig-iron .. ..	796,847	881,107	1,059,854
Ferro-alloys .. ..	12,015	15,759	(a)

(a) Information not available.

EXPORTS OF PIG-IRON AND FERRO-ALLOYS  
(Domestic Produce)  
(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Pig-iron—			
Forge or foundry ..	208,732	146,911	236,729
Acid .. .. .	68,097	124,039	231,512
Basic .. .. .	178	699	1,297
Spiegeleisen and ferro- manganese .. ..	35,104	58,230	56,643
Ferro-silicon .. ..	554	349	436
Other ferro-alloys .. ..	580	760	989
Canada—			
Pig-iron .. .. .	3,396	344	1,043
Ferro-silicon .. ..	29,716	17,882	14,321
Ferro-manganese, spiegel- eisen and other ferro-alloys	21,862	21,244	24,812
British Malaya (including re- exports)—			
Pig-iron .. .. .	90	91	83
India (by sea)—			
Pig-iron .. .. .	315,162	383,960	428,625
Ferro-manganese .. ..	6,897	3,042	3,108
Australia (including re- exports)—			
Pig-iron .. .. .	18	16	10
New Zealand—			
Pig-iron .. .. .	—	1,110	500
FOREIGN COUNTRIES			
Austria—			
Pig-iron .. .. .	46,837	79,994	61,801
Ferro-silicon .. ..	6,707	5,279	6,305
Other ferro-alloys .. ..	30	30	72
Belgium-Luxemburg E.U.			
Pig-iron .. .. .	154,719	132,878	97,302
Czechoslovakia—			
Pig-iron .. .. .	29,467	61,888	50,613
Spiegeleisen .. ..	1,430	1,778	1,837
Other ferro-alloys .. ..	350	64	31
Finland—			
Pig-iron and ferro-alloys ..	1,100	880	800
France—			
Pig-iron and spiegeleisen ..	691,441	822,337	616,661
Other ferro-alloys .. ..	4,330	7,254	10,115
Germany (including repara- tions)—			
Pig-iron .. .. .	465,557	315,153	250,682
Ferro-alloys .. .. .	51,735	48,205	59,217

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Italy—			
Pig-iron .. .. .	1,201	31	723
Ferro-alloys.. .. .	1,403	1,586	3,010
Jugoslavia—			
Pig-iron .. .. .	61	237	36
Ferro-silicon .. .. .	3,275	4,811	3,496
Ferro-manganese .. .. .	(a)	95	107
Netherlands—			
Pig-iron and ferro-alloys ..	112,877	147,270	212,307
Norway—			
Pig-iron .. .. .	1,423	598	3,357
Ferro-silicon .. .. .	17,381	28,980	29,302
Ferro-chrome .. .. .	2,163	3,946	2,757
Ferro-manganese .. .. .	77,962	69,871	76,089
Poland—			
Pig-iron .. .. .	8,519	11,087	319
Ferro-manganese .. .. .	7,354	5,323	5,316
Other ferro-alloys .. .. .	50	84	10
Rumania—			
Pig-iron .. .. .	2,293	984	(a)
Spain (including re-exports)—			
Pig-iron .. .. .	149	5	1,500
Sweden—			
Pig-iron .. .. .	76,055	86,102	70,935
Ferro-alloys.. .. .	19,876	25,605	31,825
Switzerland—			
Pig-iron and steel .. .. .	150	88	2
Ferro-alloys.. .. .	5,844	8,290	5,709
Mexico—			
Pig-iron .. .. .	68	70	325
United States—			
Pig-iron .. .. .	25,208	50,992	84,682
Ferro-alloys.. .. .	3,399	4,906	12,061
Chile—			
Pig-iron .. .. .	48	—	12
China—			
Pig-iron .. .. .	168,757	200,912	217,051
French Indo-China—			
Pig-iron .. .. .	34	—	(a)
Korea (including re-exports)—			
Pig-iron .. .. .	(£553,001)	(£589,049)	(a)

(a) Information not available.



**IMPORTS OF PIG-IRON AND FERRO-ALLOYS**  
*(Less Re-exports)*  
 (Long tons)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Pig-iron—			
Forge and foundry ..	300,396	267,580	44,746
Acid .. .. .	394	29,240	2,599
Basic .. .. .	176,205	282,435	46,358
Spiegeleisen and ferro- manganese .. ..	899	8,089	5,795
Other ferro-alloys .. ..	13,150	20,732	19,584
Irish Free State—			
Pig-iron .. .. .	4,694	3,440	4,354
Anglo-Egyptian Sudan—			
Pig-iron .. .. .	(£667)	(£905)	93
Mauritius—			
Pig-iron .. .. .	10	65	77
Union of South Africa—			
Pig-iron, including steel ingots	6,059	6,214	4,609
Ferro-silicon .. .. .	111	106	136
Ferro-manganese .. ..	394	327	318
Canada—			
Pig-iron .. .. .	26,113	40,922	43,307
Ferro-silicon .. .. .	217	114	262
Ferro-manganese, spiegel- eisen and other ferro-alloys	2,558	3,406	5,435
Jamaica—			
Pig-iron .. .. .	20	—	(a)
British Malaya (total imports)—			
Pig-iron .. .. .	5,694	6,790	4,748
Ceylon—			
Pig-iron .. .. .	850	798	921
Cyprus—			
Pig-iron .. .. .	65	59	54
India (total imports by sea)—			
Pig-iron .. .. .	2,674	3,852	4,050
Palestine (total imports)—			
Pig-iron .. .. .	195	123	(a)
Australia—			
Pig-iron .. .. .	9,508	8,410	7,271
Ferro-alloys .. .. .	558	652	532
New Zealand—			
Pig-iron .. .. .	5,016	3,497	2,668
<b>FOREIGN COUNTRIES</b>			
Austria—			
Pig-iron .. .. .	26,518	30,014	32,800
Ferro-silicon .. .. .	544	598	653
Other ferro-alloys .. ..	4,624	4,467	5,926

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Belgium-Luxemburg E.U.—			
Pig-iron .. .. .	324,746	375,126	542,213
Bulgaria—			
Pig-iron .. .. .	3,501	2,407	(a)
Czechoslovakia—			
Pig-iron .. .. .	49,663	55,815	54,988
Spiegeleisen .. .. .	325	10	441
Other ferro-alloys .. .. .	13,956	16,607	13,470
Denmark—			
Pig-iron .. .. .	28,220	33,334	45,714
Ferro-alloys .. .. .	14	203	194
Estonia—			
Pig-iron .. .. .	816	1,076	1,473
Finland—			
Pig-iron .. .. .	19,707	16,375	21,433
Ferro-alloys .. .. .	389	199	320
France—			
Pig-iron and spiegeleisen .. .. .	23,521	38,128	39,741
Other ferro-alloys .. .. .	25,878	27,919	18,356
Germany—			
Pig-iron .. .. .	108,745	279,068	300,158
Ferro-alloys .. .. .	12,085	12,615	8,463
Greece—			
Pig-iron .. .. .	3,062	4,348	3,742
Hungary—			
Pig-iron .. .. .	38,378	39,515	37,070
Ferro-alloys .. .. .	3,170	3,658	3,942
Italy—			
Pig-iron .. .. .	173,907	120,145	136,738
Ferro-alloys .. .. .	682	337	842
Jugoslavia—			
Pig-iron .. .. .	12,437	8,530	10,020
Ferro-manganese .. .. .		764	1,749
Ferro-silicon .. .. .		537	334
Latvia—			
Pig-iron .. .. .	3,574	2,191	5,249
Ferro-manganese .. .. .	41	99	
Ferro-silicon .. .. .	28	86	
Netherlands—			
Pig-iron and ferro-alloys .. .. .	36,558	31,226	35,065

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Norway—			
Pig-iron .. .. .	7,483	8,441	14,402
Ferro-silicon .. .. .	10	5	—
Ferro-tungsten and ferro- vanadium .. .. .	11	5	23
Poland—			
Pig-iron .. .. .	2,163	8,382	4,805
Ferro-manganese .. .. .	1,447	736	1,248
Other ferro-alloys .. .. .	775	1,662	1,093
Rumania—			
Pig-iron .. .. .	1,151	10,370	(a)
Russia (years ended Sept. 30)—			
Pig-iron .. .. .	1,363	21,916	526
Ferro-alloys .. .. .	5,537	5,603	6,858
Spain (total imports)—			
Pig-iron .. .. .	3,450	12,131	15,308
Ferro-alloys .. .. .	2,874	8,020	4,762
Sweden—			
Pig-iron .. .. .	60,085	46,891	77,518
Ferro-alloys .. .. .	1,812	2,746	2,617
Switzerland—			
Pig-iron and steel .. .. .	121,881	119,051	171,961
Ferro-alloys .. .. .	927	1,135	1,482
Belgian Congo—			
Pig-iron and steel .. .. .	369	997	(a)
Egypt—			
Pig-iron .. .. .	3,625	2,034	3,424
Réunion—			
Pig-iron .. .. .	10	34	18
Tunis—			
Pig-iron .. .. .	57	128	69
United States—			
Pig-iron .. .. .	445,773	132,568	140,694
Spiegeleisen .. .. .	8,783	7,529	5,260
Mexico—			
Pig-iron and scrap .. .. .	430	329	(a)
Ferro-manganese, contain- ing more than 25% Mn.	1,032	692	(a)
Argentina—			
Pig-iron .. .. .	13,834	17,032	25,445
Chile—			
Pig-iron .. .. .	4,667	6,291	6,638
Colombia—			
Pig-iron .. .. .	522	(a)	(a)

(a) Information not available.

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

Importing Country and Description.	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Peru—			
Pig-iron .. .. .	1,016	740	(a)
China—			
Pig-iron and kentledge ..	14,185	10,300	22,298
Dutch East Indies—			
Pig-iron .. .. .	4,243	4,009	(a)
French Indo-China—			
Pig-iron .. .. .	2,551	3,027	1,865
Japan (total imports)—			
Pig-iron .. .. .	363,697	465,478	560,225
Ferro-alloys .. .. .	3,254	4,974	3,630
Philippine Islands—			
Pig-iron .. .. .	1,283	2,239	2,161

(a) Information not available.

## PRODUCTION OF STEEL INGOTS AND CASTINGS

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	3,596,100	9,097,100	8,519,700
Union of South Africa (i)	38,216	34,076	31,836
Canada .. ..	776,262	907,638	1,240,214
India .. ..	521,753	574,096	409,710
Australia .. ..	374,287	448,165	410,031
<b>Total ..</b>	<b>5,300,000</b>	<b>11,100,000</b>	<b>10,600,000</b>
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	466,053	551,510	636,861
Belgium .. ..	3,285,953	3,622,047	3,872,331
Czechoslovakia .. ..	1,550,000	1,662,000	(a)
France—			
Saar .. ..	1,709,332	1,864,706	2,040,309
Other districts .. ..	8,481,278	8,175,070	9,349,496
Germany .. ..	12,032,438	15,868,677	14,287,887
Hungary .. ..	319,552	464,230	478,584
Italy .. ..	1,751,414	1,570,567	1,928,585
Luxemburg .. ..	2,208,296	2,431,491	2,526,664
Norway .. ..	2,772	3,192	2,823
Poland .. ..	776,038	1,224,228	1,414,352
Russia (years ended Sept. 30) .. ..	2,864,975	3,531,157	4,087,909
Spain .. ..	598,821	660,422	722,063
Sweden .. ..	487,399	491,526	567,072
Mexico .. ..	76,865	63,422	78,178
United States .. ..	48,293,763	44,935,185	51,544,180
Japan .. ..	1,523,421	1,701,090	1,837,565
China (estimated) .. ..	30,000	30,000	30,000
<b>Total ..</b>	<b>86,500,000</b>	<b>88,900,000</b>	<b>96,900,000</b>
<b>WORLD'S TOTAL ..</b>	<b>91,800,000</b>	<b>100,000,000</b>	<b>107,500,000</b>

(a) Information not available.

(i) Including rails, fishplates, etc.

## DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS.

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE.			
United Kingdom—			
Ingots—			
Open hearth, acid ..	1,027,000	2,519,100	2,170,500
basic ..	2,260,400	5,920,900	5,660,800
Converter, acid ..	152,500	445,200	475,900
Electric .. ..	38,800	48,600	49,900
Castings, electric ..	22,000	25,800	28,500
other .. ..	95,400	137,500	134,100
Canada—			
Ingots, open hearth ..	744,103	867,876	1,187,398
Electric .. ..	—	52	9,383
Castings—			
Open hearth, basic ..	19,831	18,519	20,706
Bessemer .. ..	1,676	2,151	2,041
Electric .. ..	10,652	19,040	20,686
India—			
Ingots—			
Open hearth, basic ..	229,009	241,278	181,341
Duplex steel ( <i>h</i> ) ..	288,695	329,268	225,762
Castings .. ..	4,049	3,550	2,607
FOREIGN COUNTRIES			
Austria—			
Ingots, open hearth ..	419,848	480,550	} 636,861
Bessemer .. ..	508	838	
special steel ..	45,697	61,123	
Castings .. ..	7,244	8,999	
Belgium—			
Ingots, open hearth ..	357,086	393,574	} 3,770,406
Bessemer basic ..	2,845,160	3,142,177	
electric .. ..	9,707	11,397	
Castings, open hearth ..	18,297	18,956	} 111,766
converter .. ..	55,703	55,618	
electric .. ..	—	325	

(*h*) 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	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
France—			
Saar—			
Open hearth, basic ..	411,685	433,824	473,093
Bessemer .. ..	1,273,911	1,408,578	1,536,718
Electric .. ..	7,681	6,334	11,384
Castings, acid ..	6,111	10,850	12,876
basic .. ..	9,944	5,120	6,238
Other districts—			
Ingots—			
Open hearth, acid ..	34,516	38,237	26,281
basic .. ..	2,281,951	2,125,663	2,507,536
Bessemer, acid ..	12,930	13,844	79,315
basic .. ..	5,889,956	5,878,856	6,480,024
Crucible .. ..	11,082	10,811	14,835
Electric .. ..	90,862	82,353	116,543
Castings— .. ..	159,981	156,492	124,961
Germany—			
Ingots—			
Open hearth, acid ..	134,018	174,890	147,018
basic .. ..	6,343,600	8,563,267	7,243,797
Bessemer, acid ..	—	38	27
basic .. ..	5,366,702	6,797,392	6,444,610
Crucible .. ..	5,897	9,035	176,252
Electric .. ..	59,513	140,248	
Castings— .. ..	122,708	183,807	276,183
Hungary—			
Open hearth .. ..	307,262	452,504	478,584
Crucible .. ..	—	33	
Electric .. ..	12,290	11,693	
Italy—			
Ingots, open hearth ..	1,496,716	1,361,709	1,932,182
electric .. ..	205,878	158,478	
Castings, open hearth ..	11,188	12,152	
Bessemer .. ..	531	440	
electric .. ..	37,101	37,788	
Luxemburg—			
Open hearth .. ..	21,185	2,419,612	2,514,404
Bessemer, basic .. ..	2,175,009		
Electric .. ..	7,247	6,417	6,593
Castings .. ..	4,855	5,462	5,567

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

Producing Country	1926	1927	1928	
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Poland—</b>				
Open hearth .. ..	754,806	1,189,634	1,365,812	
Electric .. ..	6,440	—	16,709	
Castings .. ..	14,783	36,907	31,631	
Other steel .. ..	—	—	200	
<b>Russia (years ended Sept. 30)—</b>				
Open hearth .. ..	} 2,864,975	{ 3,185,942	} 4,087,909	
Bessemer .. ..				335,155
Electric .. ..				10,060
<b>Spain—</b>				
Open hearth .. ..	417,710	453,939	} 722,063	
Bessemer .. ..	171,358	197,805		
Electric .. ..	9,753	8,678		
<b>Sweden—</b>				
Open hearth .. ..	358,140	365,549	415,379	
Bessemer .. ..	81,606	73,686	65,860	
Crucible .. ..	1,077	1,187	1,303	
Electric .. ..	46,576	51,104	84,530	
<b>United States—</b>				
<b>Ingots—</b>				
Open hearth, acid ..	533,285	493,653	454,883	
basic ..	39,172,688	36,750,387	42,818,557	
Bessemer .. ..	6,891,502	6,153,703	6,591,745	
Crucible .. ..	13,452	7,696	6,516	
Electric .. ..	325,278	371,278	453,692	
<b>Castings—</b>				
Open hearth, acid ..	505,379	430,414	458,590	
basic ..	480,627	393,881	381,926	
Bessemer .. ..	43,066	38,024	28,450	
Crucible .. ..	2,041	1,340	1,253	
Electric .. ..	326,445	294,809	348,568	
<b>Japan—</b>				
<b>Ingots—</b>				
Open hearth .. ..	1,378,511	1,544,763	} 1,837,565	
Bessemer .. ..	83,340	86,608		
Crucible .. ..	2,704	1,157		
Electric .. ..	17,872	26,098		
Castings .. ..	40,994	42,464		



**LEAD**

**PRODUCTION OF LEAD ORE**  
*(In terms of metal)*  
 (Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	15,261	16,342	14,829
Kenya .. .. .	57	32	3
Nigeria .. .. .	170	253	25
Northern Rhodesia (smelter)	3,835	5,857	4,676
Southern Rhodesia .. .	6	8	53
South-West Africa (d) ..	17,100	19,800	26,300
Union of South Africa ..	278	234	40
Canada .. .. .	126,697	139,028	150,869
India .. .. .	75,700	101,600	101,600
Australia .. .. .	182,352	200,174	179,334
Total ..	420,000	480,000	480,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	8,067	9,199	5,870
Bulgaria (estimated) ..	1,170	(a)	(a)
Czechoslovakia .. ..	3,530	3,972	4,077
France .. .. .	4,447	11,800	(a)
Germany .. .. .	53,062	56,641	56,673
Greece .. .. .	5,319	6,346	5,484
Italy .. .. .	31,423	30,049	30,000
Jugoslavia .. .. .	9,177	11,358	12,148
Norway .. .. .	—	6	(a)
Poland .. .. .	12,000	12,400	12,100
Portugal .. .. .	250	500	(a)
Rumania (smelter) ..	645	824	529
Russia (estimated) ..	1,400	1,200	2,000
Spain (smelter) .. ..	147,111	141,748	108,384
Sweden .. .. .	3,117	4,790	3,284
Algeria .. .. .	8,116	18,000	14,000
Morocco (French Zone) ..	1,840	5,100	(a)
Tunis .. .. .	24,000	22,000	21,000
Mexico .. .. .	226,870	239,503	232,751
United States .. .. .	610,640	594,187	560,100
Argentina (estimated) ..	2,300	2,400	3,000
Bolivia (exports) .. ..	18,157	15,064	12,505
Chile .. .. .	3,057	2,497	(a)
Peru .. .. .	17,447	13,923	(a)
China .. .. .	6,071	7,926	(a)
Dutch East Indies .. .	—	36	(a)
French Indo-China .. .	384	163	384
Japan (smelter) .. ..	3,553	3,340	3,595
Turkey (smelter) .. ..	5,421	6,427	8,951
Total ..	1,210,000	1,220,000	1,140,000
<b>WORLD'S TOTAL ..</b>	<b>1,630,000</b>	<b>1,700,000</b>	<b>2,620,000</b>

(a) Information not available.

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

## METAL PRODUCTION OF LEAD

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	4,266	6,035	5,512
Northern Rhodesia ..	3,835	5,857	4,676
South-West Africa (d) ..	1,655	3,479	4,925
Canada .. .. .	114,854	132,038	134,405
India .. .. .	54,330	65,967	78,344
Australia .. .. .	152,943	164,968	155,076
Total ..	332,000	378,000	383,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	6,376	7,958	8,006
Belgium .. .. .	86,489	90,262	(a)
Czechoslovakia .. ..	2,280	2,462	3,017
Finland .. .. .	158	400	(a)
France .. .. .	19,187	25,000	(a)
Germany .. .. .	88,637	100,240	(a)
Greece .. .. .	4,979	5,241	7,191
Italy .. .. .	23,217	23,398	20,885
Jugoslavia .. .. .	9,654	10,503	10,103
Norway .. .. .	379	(e) 639	(e) 376
Poland .. .. .	27,483	29,107	35,872
Portugal .. .. .	138	58	(a)
Rumania .. .. .	645	824	529
Russia (years ended Sept.30)	1,321	1,198	2,032
Spain .. .. .	147,152	141,748	108,384
Sweden .. .. .	514	325	—
Egypt .. .. .	(a)	63	(a)
Tunis .. .. .	17,820	18,367	17,300
Mexico .. .. .	163,876	207,664	207,814
United States .. .. .	664,323	639,914	597,615
Argentina .. .. .	8,300	7,675	8,308
Chile .. .. .	2,729	2,085	(a)
Peru .. .. .	111	159	(a)
China (exports) .. ..	152	135	(a)
French Indo-China ..	1	4	(a)
Japan .. .. .	3,553	3,340	3,595
Korea .. .. .	1,926	(a)	(a)
Turkey .. .. .	5,421	6,427	8,951
Total ..	1,290,000	1,320,000	1,260,000
<b>WORLD'S TOTAL</b>	1,620,000	1,700,000	1,640,000

(a) Information not available.

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

(e) Including tin.

## EXPORTS OF LEAD, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	17,624	22,716	19,214
Pig-lead .. .. .	5,276	4,656	5,557
Sheets and pipes .. .. .	6,749	6,434	5,144
Foil .. .. .	76	52	52
White lead, .. .. .	13,003	12,510	10,796
Litharge, red lead, etc. .. .. .	9,517	10,545	12,596
Northern Rhodesia—			
Pig-lead .. .. .	2,576	4,966	4,257
South-West Africa Territory—			
Pig-lead .. .. .	1,152	3,541	4,650
Union of South Africa—			
Ore and bullion .. .. .	301	314	16
Pigs, bars and sheets .. .. .	53	4	4
Canada—			
Ore (lead content) .. .. .	6,091	5,818	6,680
Pig-lead, etc. .. .. .	90,406	106,879	114,028
White lead .. .. .	153	41	487
British Malaya (including re-exports)—			
Pig-lead .. .. .	105	179	118
Sheets and pipes .. .. .	17	14	35
India (by sea)—			
Pig-lead, bars, etc. .. .. .	52,459	66,342	74,773
Australia (including re-exports)			
Ores and concentrates (lead content) .. .. .	30,251	35,283	21,092
Pig-lead .. .. .	134,030	143,686	147,346
Sheets and pipes .. .. .	233	940	801
White lead .. .. .	71	59	67
New Zealand—			
Pig and bar .. .. .	1	1	11

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	1,084	1,015	528
Pig-lead, alloys, and scrap	3,015	2,400	1,612
Sheets, bars, rods, etc. ..	206	197	200
White lead, etc. .. ..	2,187	2,233	2,441
Red lead .. .. .	1,020	1,239	1,674
Belgium-Luxemburg E. U.—			
Ore .. .. .	2,823	8,656	1,157
Pig-lead and scrap.. ..	28,790	31,519	21,021
Sheets, bars, pipes and wire	11,475	15,209	15,315
Red and white lead, etc.	3,788	6,000	4,922
Bulgaria—			
Ore .. .. .	472	3,462	(a)
Czechoslovakia—			
Ore .. .. .	893	912	1,015
Pig-lead, ashes, alloys and scrap .. .. .	334	410	614
Sheets, pipes, etc. .. ..	20	13	18
Lead oxide .. .. .	25	36	7
Denmark—			
Pig-lead .. .. .	17	36	154
Plates, pipes and tubes ..	10	8	10
Red lead .. .. .	3	6	6
Estonia—			
Lead .. .. .	—	11	—
France—			
Ore, matte and slag .. ..	7,900	8,920	13,106
Pig-lead, argentiferous and antimonial .. .. .	1,072	1,195	695
Sheets, etc., and scrap ..	1,186	2,894	1,101
Red and white lead, etc. ..	962	690	915
Germany (including reparations)—			
Ore .. .. .	13,535	19,827	16,872
Pig-lead and scrap .. ..	16,906	15,359	18,695
Pipes and rough leadware	3,867	3,520	3,522
Red and white lead .. ..	7,775	9,298	8,993

(a) Information not available.

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

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Greece—			
Galena and argentiferous lead	5,640	5,948	5,959
Hungary—			
Pig-lead and scrap ..	269	125	276
Sheets, pipes and wire ..	92	145	76
Red and white lead, etc. ..	9	9	30
Italy—			
Ore .. .. .	13,047	14,431	18,837
Pig, scrap and hard lead ..	101	168	150
Sheets and pipes .. ..	180	91	120
Red and white lead ..	3,291	2,490	1,121
Jugoslavia—			
Ore .. .. .	(a)	1,844	2,326
Pig-lead .. .. .	332	53	63
Sheets, bars and rods ..	9,042	9,291	8,678
Netherlands—			
Pig-lead and scrap .. ..	617	836	1,023
Sheets, pipes, wire, etc. ..	912	744	561
Red and white lead ..	664	782	765
Norway—			
Pig-lead, ashes and scrap	688	615	849
Sheets, tubes and wire ..	68	128	188
Poland—			
Ore, slag, scrap, and dust ..	305	37	111
Pig-lead and bars .. ..	16,824	15,542	12,032
Sheets, tubes, wire, alloys, etc.	282	651	413
Red and white lead, etc. ..	577	902	1,195
Portugal—			
Ore .. .. .	420	640	(a)
Pig-lead .. .. .	2	12	(a)
Rumania—			
Ore .. .. .	(a)	463	(a)
Pig-lead and scrap ..	(a)	164	(a)
Spain (including re-exports)—			
Galena — non-argentiferous	3,578	1,476	2,115
do. argentiferous ..	5,709	2,397	4,765
Other ore .. .. .	1,823	1,210	118
Pig-lead—non-argentiferous	109,803	95,393	84,923
do. argentiferous ..	6,271	9,423	4,617
Pipes and sheets .. ..	2,067	2,218	1,058

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Sweden—			
Ore .. .. .	4,076	5,122	5,889
Pig-lead and scrap .. ..	1,098	789	1,853
Sheets, pipes and wire .. ..	37	10	7
Red and white lead .. ..	6	4	5
Switzerland—			
Ore, etc. .. .. .	614	617	712
Pig-lead, hard lead and scrap	713	539	771
Sheets and pipes .. .. .	1	7	59
Red and white lead, etc .. ..	5	1	—
Algeria—			
Ore .. .. .	23,197	32,539	23,567
Egypt—			
Pig-lead and pipes .. .. .	2	6	4
Morocco—			
Ore .. .. .	2,652	5,211	6,191
Scrap .. .. .	135	43	94
Tunis (including re-exports)—			
Ore .. .. .	10,465	8,782	4,080
Pig-lead and bars .. .. .	17,334	16,274	18,707
Mexico—			
Ores, etc. ( <i>lead content</i> ) .. ..	46,706	33,752	24,936
Pig-lead .. .. .	160,758	205,750	207,814
United States—			
Pig-lead, bars, etc., .. ..	63,607	108,475	102,484
Red and white lead .. .. .	6,263	(k) 6,675	(k) 7,643
Argentina—			
Ore .. .. .	1,134	1,656	259
Bars, slag and ash .. .. .	179	137	41
Bolivia—			
Ore ( <i>lead content</i> ) .. .. .	18,157	15,044	12,505
Brazil—			
Ore .. .. .	315	757	456

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Chile—			
Ore including argentiferous	9,447	5,801	3,266
Pig-lead .. .. .	3	1	1
Peru—			
Ore, concentrates, etc. (lead content) .. .. .	10,329	6,230	(a)
Pig-lead, bars, etc. .. ..	142	134	(a)
China—			
Ore .. .. .	13,261	5,028	4,749
Lead .. .. .	152	135	17
Dutch East Indies—			
Lead scrap .. .. .	199	92	(b)40
Formosa—			
Tea-lead .. .. .	23	13	(a)
French Indo-China—			
Ore and slag .. .. .	173	89	(a)
Pig-lead .. .. .	10	—	(a)
Japan—			
Red lead .. .. .	1,031	877	1,096
Turkey—			
Ore .. .. .	705	—	(a)
Pig lead and scrap .. ..	22	992	(a)
New Caledonia—			
Ore .. .. .	2,115	—	(a)

(a) Information not available.

(b) Java and Madura only.

(k) Including litharge.

## IMPORTS OF LEAD, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	1,884	1,570	4,120
Pig-lead .. .. .	253,285	273,783	237,188
Sheets and pipes .. .. .	14,005	12,666	8,798
Foil .. .. .	52	43	80
White lead .. .. .	11,024	11,003	11,466
Litharge, red lead, etc. ..	4,245	4,827	3,429
Irish Free State—			
Pig-lead .. .. .	871	985	946
Sheets and pipes .. .. .	877	909	869
Red and white lead, etc. ..	692	709	855
Gold Coast—			
Bars and sheets .. .. .	147	266	292
Kenya and Uganda—			
Bars and sheets .. .. .	33	25	75
Mauritius (total imports)—			
Pig-lead, sheets and pipes ..	18	118	17
Nigeria—			
Ore .. .. .	55	56	146
Bars and sheets .. .. .	122	170	187
Sierra Leone—			
Bars and sheets .. .. .	8	10	8
Southern Rhodesia—			
Pig-lead, bars and sheets ..	14	28	90
Foil .. .. .	—	—	8
Red and white lead, acetate, etc. .. .. .	113	132	170
South-West Africa Territory—			
Bars, sheets and pipes ..	14	14	11
Red and white lead, etc. ..	9	19	14
Union of South Africa (total imports)—			
Pig-lead, sheets and pipes ..	1,020	1,409	720
Foil .. .. .	347	284	113
Red and white lead, acetate etc. .. .. .	2,383	2,238	1,829
Canada—			
Pig-lead and scrap .. .. .	342	181	238
Bars, sheets and pipes, etc.	141	126	170
White lead .. .. .	60	312	349
Litharge, red lead, etc. ..	1,513	2,169	2,432



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

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>			
British Malaya (total imports)—			
Pig-lead .. .. .	769	538	728
Pipes and sheets .. ..	100	91	133
Ceylon (total imports)—			
Pig-lead .. .. .	5,250	3,453	3,349
Sheets and pipes .. ..	39	45	76
Tea-lead .. .. .	1,169	1,331	1,535
Cyprus—			
Sheets and pipes .. ..	5	2	55
India (total imports by sea)—			
Ore .. .. .	222	338	246
Pig-lead, bars, etc. ..	249	279	131
Sheets, pipes, etc. ..	2,177	2,174	2,084
Litharge, red and white lead, etc... .. .	3,549	4,471	3,041
Palestine (total imports)—			
Pig-lead, sheets, pipes, etc.	56	41	42
Australia—			
Pig-lead .. .. .	21	—	2
Sheets and pipes .. ..	94	112	102
White lead and lead acetate	1,649	2,007	1,814
New Zealand—			
Pig-lead and bars .. ..	1,903	1,559	1,164
Sheets and pipes .. ..	719	1,215	846
White lead .. .. .	2,537	2,691	2,319
<b>FOREIGN COUNTRIES</b>			
Austria—			
Ore .. .. .	2,977	2,434	2,092
Pig-lead, alloys, and scrap	8,878	12,307	10,056
Bars, sheets, rods, wire, etc.	78	69	77
Red and white lead, etc. ..	16	25	39
Belgium-Luxemburg E.U. —			
Ore .. .. .	61,973	81,057	57,474
Pig-lead and scrap .. ..	15,111	11,851	18,194
Sheets, bars, pipes and wire	748	108	125
Red and white lead, etc. ..	644	708	814
Bulgaria—			
Pig-lead, sheets and scrap ..	163	487	(a)
Tubes, etc. .. .. .	528	30	(a)

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
<b>Czechoslovakia—</b>			
Ore .. .. .	140	89	54
Pig-lead, ashes, alloys and scrap .. .. .	7,493	10,334	13,074
Sheets and plates .. ..	22	24	30
Rods, pipes, wire, etc. ..	11	9	12
Lead oxide .. .. .	560	654	691
White lead .. .. .	273	345	312
<b>Denmark—</b>			
Pig-lead .. .. .	3,224	3,343	4,214
Plates, pipes and tubes ..	1,274	843	888
Red and white lead .. ..	667	719	655
<b>Estonia—</b>			
Pig-lead and bars .. ..	112	110	132
Sheets, plates, and pipes ..	31	42	29
Red and white lead, etc. ..	124	119	159
<b>Finland—</b>			
Pig-lead and scrap .. ..	444	718	641
Sheets, pipes, wire and shot	864	710	707
Red and white lead .. ..	873	928	1,077
<b>France—</b>			
Ore .. .. .	31,439	44,402	31,924
Pig-lead, argentiferous and antimonial .. .. .	69,745	47,737	80,923
Sheets, etc. and scrap .. ..	2,040	1,456	2,091
Red and white lead, etc. ..	1,278	1,645	1,808
<b>Germany—</b>			
Ore .. .. .	49,067	44,806	48,025
Pig-lead and scrap .. ..	91,765	154,389	146,192
Pipes and rough leadware..	204	236	194
Red and white lead .. ..	835	661	1,189
<b>Greece—</b>			
Lead .. .. .	(b) 600	1,359	1,156
<b>Hungary—</b>			
Ore .. .. .	15	10	—
Pig-lead and scrap .. ..	4,716	5,903	6,851
Sheets, bars, pipes and wire	21	18	25
Red and white lead, etc. ..	411	413	373

(a) Information not available.

(b) Including antimony.

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Italy—			
Ore .. .. .	4,866	3,247	1,945
Pig-lead, scrap and hard lead	20,852	16,409	26,641
Sheets and pipes .. ..	8	69	21
Red and white lead ..	147	310	537
Jugoslavia—			
Pig-lead .. .. .	169	216	226
Sheets, bars, rods, wire, etc.	87	42	187
Red and white lead, etc. ..	246	176	268
Lithuania—			
Pig-lead, pipes and scrap ..	70	196	184
Red lead .. .. .	41	53	39
Netherlands—			
Ore .. .. .	204	206	167
Pig-lead and scrap .. ..	16,628	16,838	18,294
Sheets, pipes, wire, etc. ..	4,458	4,864	5,331
Red and white lead, etc. ..	5,065	5,465	5,669
Norway—			
Pig-lead .. .. .	841	1,543	2,291
Bars, sheets, tubes and wire	442	411	1,385
Red and white lead .. ..	523	610	742
Poland—			
Ore, slag, scrap, dust, etc. ..	9,468	16,098	16,069
Pig-lead and bars .. ..	15	15	70
Sheets, tubes, wire, alloys, etc.	300	885	429
Red and white lead, etc. ..	401	711	828
Portugal—			
Sheets, wire, etc. .. ..	2,026	2,779	(a)
Rumania—			
Pig-lead and scrap .. ..	672	1,831	(a)
Plates, rods, tubes, etc. ..	292	859	(a)
Red and white lead, etc. ..	1,082	1,045	(a)
Russia (years ended Sept. 30)—			
Pig-lead and scrap .. ..	21,557	30,257	48,981
Spain (total imports)—			
Ore .. .. .	8,021	2,811	1,679
Pig-lead, bullion and scrap	84	56	2
Sheets, pipes, wire, shot, etc.	68	79	224
Sweden—			
Pig-lead and scrap .. ..	5,953	5,593	7,007
Sheets, pipes and wire ..	1,952	1,916	1,719
Red and white lead .. ..	2,007	2,039	2,068

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Switzerland—			
Ore and waste .. ..	125	152	119
Pig-lead, scrap, hard lead, etc. .. ..	10,609	11,136	9,558
Sheets and pipes .. ..	827	518	546
Red and white lead, etc. ..	375	291	274
Algeria—			
Ore, pig-lead, scrap, etc...	2,488	5,862	(a)
Angola—			
Lead .. ..	10	19	(a)
Belgian Congo—			
Pig-lead .. ..	24	1,069	689
Egypt—			
Pig-lead, sheets and pipes ..	987	888	731
Red and white lead ..	275	381	320
Morocco—			
Pig-lead, sheets, wire, etc. ..	272	242	77
Réunion—			
Lead .. ..	3	3	4
Togoland—			
Pig-lead and sheets ..	17	20	9
Tunis—			
Ore .. ..	3,236	6,048	3,786
Pig-lead, bars and scrap ..	125	9	557
Sheets, pipes, etc. .. ..	231	174	191
Costa Rica (total imports)—			
Bars and sheets .. ..	4	9	(a)
Cuba (total imports)—			
Bars and pipes .. ..	321	248	(a)
Mexico—			
Pig-lead .. ..	213	91	(a)
Sheets and pipes .. ..	155	148	(a)
Salvador—			
Lead .. ..	(a)	60	(a)

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
United States—			
Ore and matte (lead content)	51,890	36,284	23,138
Bullion and base bullion (lead content)	69,898	105,610	114,703
Pig-lead, bars and scrap ..	9,337	3,037	591
Red and white lead, etc. ..	163	191	133
Argentina—			
Ore .. .. .	5,128	5,129	6,499
Pig-lead, sheets and foil ..	3,271	5,605	8,071
Red and white lead.. ..	782	760	899
Brazil (total imports)—			
Pig-lead, sheets and pipes..	3,800	5,787	6,653
Red and white lead .. ..	625	730	682
Chile—			
Pig-lead .. .. .	539	2,163	686
Bars and sheets .. ..	452	3,263	843
Red and white lead .. ..	80	200	141
Colombia—			
Sheets and pipes .. ..	158	(a)	(a)
Red and white lead .. ..	65	(a)	(a)
Peru—			
Pig-lead, bars and sheets ..	281	213	(a)
Litharge, etc. .. ..	5	7	(a)
Uruguay—			
Pig-lead and pipes .. ..	767	1,136	(a)
Red and white lead .. ..	177	177	(a)
Venezuela—			
Pig-lead, etc. .. ..	42	35	—
China—			
Pig-lead and bars .. ..	9,172	9,739	9,249
Tea and sheet-lead.. ..	467	613	477
Pipes .. .. .	475	558	717
Red and white lead, etc. ..	1,822	1,417	1,975
Dutch East Indies—			
Pig-lead .. .. .	254	439	(b) 457
Sheets etc. .. .. .	1,793	1,670	(b) 738
Red and white lead .. ..	1,316	1,278	(b) 1,113
Formosa—			
Pig-lead and slabs .. ..	154	92	(a)
Lead pigments .. .. .	4	3	(a)
French Indo-China—			
Pig lead and hard lead ..	245	268	166
Sheets, etc. .. .. .	36	113	45
Red and white lead .. ..	358	297	245

(b) Java and Madura only.

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

Importing Country and Description.	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Japan (total imports)—			
Pig-lead .. .. .	53,900	54,620	61,157
Tea-lead .. .. .	178	134	145
Philippine Islands—			
Pig-lead and sheets ..	246	367	366
Red and white lead ..	540	450	418
Siam (total imports)—			
Pig-lead .. .. .	214	281	422
Syria—			
Lead .. .. .	380	288	(a)
Turkey—			
Pig-lead ... .. .	596	808	(a)
Sheets, tubes, wire, etc. ..	278	181	(a)

(a) Information not available.

**MAGNESITE**

## PRODUCTION OF MAGNESITE

(Long tons)

Producing Country and Description	1926	1927	1928
BRITISH EMPIRE			
Union of South Africa—			
Crude .. .. .	1,854	1,810	1,457
Canada—			
Crude .. .. .	11,248	18,230	32,785
Caustic and dead-burnt	4,081	6,551	(a)
India—			
Crude .. .. .	30,461	19,638	24,406
Australia—			
Crude .. .. .	10,583	10,419	10,786
FOREIGN COUNTRIES			
Austria—			
Crude .. .. .	233,000	350,000	305,000
Calcined .. .. .	9,000	20,000	37,000
Dead-burnt .. .. .	94,000	123,000	109,879
Bricks .. .. .	(a)	45,000	41,000
Czechoslovakia (exports less imports)—			
Crude .. .. .	12,374	11,550	8,278
Calcined .. .. .	33,070	34,132	37,018
Greece—			
Crude .. .. .	94,128	83,150	102,772
Caustic .. .. .	26,368	27,000	25,787
Dead-burnt .. .. .	1,194	1,343	128
Italy—			
Crude .. .. .	19,529	16,047	11,690
Jugoslavia (Serbia only)—			
Crude .. .. .	(a)	1,653	6,168
Norway—			
Crude .. .. .	704	1,073	917
Calcined (exports) .. .. .	198	262	(a)
Bricks (exports) .. .. .	304	269	(a)
Russia (years ended Sept 30)			
Crude .. .. .	101,390	104,900	(a)
Caustic .. .. .	2,046	2,933	(a)
Dead-burnt .. .. .	27,252	28,924	(a)
Bricks .. .. .	11,865	13,900	(a)
United States—			
Crude .. .. .	119,200	108,473	113,563
Caustic (sales) .. .. .	16,589	12,402	8,552
Dead-burnt (sales) .. .. .	37,982	35,902	43,732

(a) Information not available.

## EXPORTS OF MAGNESITE, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Magnesium .. .. .	19	9	9
Chloride, sulphate, etc. ..	3,766	3,393	3,437
Canada—			
Calcined and dead-burnt..	583	1,744	1,640
FOREIGN COUNTRIES			
Austria—			
Crude .. .. .	290	265	1,901
Caustic .. .. .	7,895	15,214	22,811
Dead-burnt .. .. .	76,235	79,618	74,403
Bricks .. .. .	26,418	39,144	43,686
Chloride .. .. .	23	48	71
Sulphate .. .. .	2	3	3
Belgium-Luxemburg E. U.—			
Crude .. .. .	—	3	—
Calcined .. .. .	15	30	3
Magnesium .. .. .	—	4	—
Chloride .. .. .	6	117	25
Sulphate .. .. .	81	142	35
Czechoslovakia—			
Crude .. .. .	12,414	11,572	8,298
Calcined .. .. .	35,796	37,315	40,238
Chloride and sulphate ..	25	9	63
Denmark—			
Crude .. .. .	—	1	—
Chloride, etc. .. .. .	6	9	9
France—			
Calcined .. .. .	74	31	49
Magnesium .. .. .	1	—	1
Carbonate .. .. .	45	17	100
Chloride .. .. .	64	965	2,736
Sulphate .. .. .	89	67	43
Germany (including reparations)—			
Crude and calcined .. ..	4,303	4,079	4,900
Carbonate .. .. .	459	577	726
Chloride .. .. .	(b) 51,704	35,740	36,007
Sulphate .. .. .	40,691	67,007	92,458



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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Greece—			
Crude .. .. .	4,119	7,567	13,258
Calcined .. .. .	12,381	5,673	16,305
Hungary—			
Crude .. .. .	39	11	7
Chloride and sulphate ..	20	30	62
Italy—			
Caustic, impure .. .. .	481	495	173
do. pure .. .. .	75	79	136
Carbonate .. .. .	201	144	178
Chloride and sulphate ..	12	5	6
Jugoslavia .. .. .	10	30	2,320
Netherlands—			
Crude .. .. .	3	2	20
Magnesia .. .. .	12,330	13,649	14,968
Norway—			
Calcined .. .. .	198	262	314
Bricks .. .. .	304	269	387
Poland—			
Sulphate .. .. .	—	—	14
Russia (years ended Sept. 30)—			
Dead-burnt .. .. .	1,042	2,409	8,239
Sweden—			
Chloride and sulphate ..	13	23	10
United States—			
Magnesia and manufactures	2,937	2,479	2,615
Turkey—			
Dead-burnt .. .. .	32	20	(a)

(a) Information not available.

(b) Including calcium chloride.

## IMPORTS OF MAGNESITE, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Crude .. .. .	13,650	11,107	13,883
Caustic and dead-burnt .. .. .	12,884	21,518	17,123
Magnesium .. .. .	52	26	68
Chloride, sulphate, etc. .. .. .	25,667	28,549	33,390
Union of South Africa—			
Carbonate and sulphate .. .. .	262	284	440
Chloride .. .. .	237	394	429
Canada —			
Crude .. .. .	135	148	196
Oxide .. .. .	119	131	332
Sulphate .. .. .	1,903	2,146	2,240
Bricks .. .. .	(£13,674)	(£24,374)	(£28,929)
India (total imports by sea)—			
Chloride .. .. .	3,001	2,151	1,343
Sulphate .. .. .	2,073	2,994	2,161
Other salts .. .. .	53	117	54
Australia—			
Oxide .. .. .	190	190	184
Carbonate .. .. .	74	196	232
Chloride .. .. .	375	310	229
Sulphate .. .. .	549	790	1,413
FOREIGN COUNTRIES			
Austria—			
Crude .. .. .	12	—	1
Caustic .. .. .	80	72	108
Dead-burnt .. .. .	7	7	23
Bricks .. .. .	714	759	2,423
Carbonate .. .. .	128	213	226
Chloride .. .. .	1,173	1,266	1,645
Sulphate .. .. .	82	134	96
Belgium-Luxemburg E.U.—			
Crude .. .. .	217	76	47
Calcined .. .. .	420	1,098	830
Magnesium .. .. .	18	17	3
Carbonate .. .. .	185	68	44
Chloride .. .. .	2,546	3,115	3,969
Sulphate .. .. .	3,600	4,756	5,376
Bulgaria—			
Sulphate .. .. .	33	37	(a)

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Crude .. .. .	40	22	20
Calcined .. .. .	2,726	3,183	3,210
Oxide, impure .. .. .	1,990	2,277	4,528
Chloride .. .. .	2,776	3,208	5,183
Sulphate .. .. .	3	2	2
Denmark—			
Crude .. .. .	311	374	370
Oxide .. .. .	39	94	74
Chloride .. .. .	263	390	310
Sulphate .. .. .	224	254	164
Estonia—			
Calcined .. .. .	59	71	79
Chloride and sulphate .. .. .	105	84	174
Finland—			
Magnesite and witherite .. .. .	535	657	778
Oxide .. .. .	10	14	16
Carbonate .. .. .	17	5	20
Chloride .. .. .	416	639	766
Sulphate .. .. .	110	77	146
France—			
Crude .. .. .	(a)	120	3,113
Calcined .. .. .	172	184	730
Magnesium .. .. .	—	55	38
Carbonate .. .. .	467	510	818
Chloride .. .. .	218	1,164	2,781
Sulphate .. .. .	885	773	3,510
Germany—			
Crude and calcined .. .. .	46,735	57,717	59,430
Carbonate .. .. .	14	84	50
Sulphate .. .. .	20	48	—
Hungary—			
Magnesite .. .. .	14,189	13,814	14,318
Magnesia .. .. .	27	35	25
Chloride .. .. .	588	979	620
Sulphate .. .. .	876	886	837
Italy—			
Caustic, impure .. .. .	3,212	2,165	2,297
ditto, pure .. .. .	1	1	4
Carbonate .. .. .	4	21	29
Chloride .. .. .	1,156	945	1,261
Sulphate .. .. .	2,124	6,246	17,922
Yugoslavia—			
Crude .. .. .	133	1	—
Calcined .. .. .	1,609	1,743	1,825

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Latvia—			
Crude and calcined .. ..	103	79	34
Chloride and sulphate ..	84	39	181
Lithuania—			
Crude .. .. .	—	4	—
Calcined .. .. .	75	42	77
Salts .. .. .	89	603	129
Netherlands—			
Crude .. .. .	547	505	938
Magnesia .. .. .	12,807	14,668	15,815
Norway—			
Chloride .. .. .	195	293	286
Poland—			
Crude .. .. .	1,922	3,369	3,213
Magnesia .. .. .	4	7	5
Chloride .. .. .	735	1,044	1,060
Sulphate .. .. .	1,015	598	1,170
Portugal—			
Crude .. .. .	85	93	(a)
Calcined .. .. .	2	2	(a)
Carbonate .. .. .	8	7	(a)
Sulphate .. .. .	258	445	(a)
Chloride .. .. .	57	87	(a)
Rumania—			
Calcined .. .. .	83	23	(a)
Chloride .. .. .	116	154	(a)
Sulphate and bisulphate ..	475	720	(a)
Russia (years ended Sept. 30)—			
Chloride .. .. .	1,176	—	17
Spain (total imports)—			
Carbonate .. .. .	224	192	211
Chloride and sulphate ..	214	743	1,293
Oxide .. .. .	19	15	42
Sweden—			
Magnesite and witherite ..	1,237	1,175	1,313
Calcined .. .. .	58	62	85
Chloride .. .. .	925	808	828
Sulphate .. .. .	586	548	567
Switzerland—			
Calcined .. .. .	1,242	1,953	2,986
Egypt—			
Sulphate .. .. .	411	351	488

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
United States—			
Crude .. .. .	543	765	752
Calcined .. .. .	13,242	8,478	4,888
Dead-burnt .. .. .	68,846	44,529	51,129
Magnesium .. .. .	4	—	(a)
Oxide .. .. .	232	116	(a)
Carbonate, precipitated .. .. .	108	} 9,399	7,727
Chloride .. .. .	7,185		
Sulphate .. .. .	4,532		
Argentina—			
Calcined .. .. .	50	52	90
Carbonate .. .. .	71	65	69
Sulphate .. .. .	504	600	431
Chile—			
Crude .. .. .	412	227	153
Chloride .. .. .	57	130	51
Sulphate .. .. .	275	397	204
Other salts .. .. .	28	145	47
Colombia—			
Salts .. .. .	81	(a)	(a)
Peru—			
Crude .. .. .	773	1,094	(a)
Salts .. .. .	21	21	(a)
Venezuela—			
Sulphate .. .. .	30	31	(a)
French Indo-China—			
Calcined .. .. .	22	27	44
Carbonate and chloride .. .. .	47	25	(a)
Japan (excluding Kobe)—			
Crude .. .. .	3,081	13,272	10,657
Magnesia .. .. .	194	703	68
Turkey—			
Dead-burnt .. .. .	62	139	(a)
Salts .. .. .	210	121	(a)

(a) Information not available.

## MANGANESE

## PRODUCTION OF MANGANESE ORE

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. .. .	128	1,509	235
Gold Coast .. .. .	398,551	403,187	376,913
Northern Rhodesia .. .. .	—	694	1,792
Union of South Africa .. .. .	821	1,279	—
Cyprus .. .. .	—	16	82
India .. .. .	1,014,928	1,129,353	978,449
Australia .. .. .	1,392	1,489	167
<b>Total .. .. .</b>	<b>1,416,000</b>	<b>1,538,000</b>	<b>1,358,000</b>
<b>FOREIGN COUNTRIES</b>			
Austria ( <i>k</i> ) .. .. .	22,918	32,436	38,938
Bulgaria .. .. .	482	7	( <i>a</i> )
Czechoslovakia .. .. .	93,670	106,664	97,867
France .. .. .	4,520	2,667	3,059
Germany .. .. .	25	30	207
Greece .. .. .	6,248	7,955	1,063
Hungary .. .. .	9,750	17,000	21,817
Italy .. .. .	13,789	9,601	10,112
Jugoslavia .. .. .	1,224	1,940	2,618
Portugal .. .. .	—	483	( <i>a</i> )
Rumania .. .. .	8,221	10,205	30,773
Russia (years ended Sept. 30)			
Nikopol—			
Crude ore .. .. .	845,807	905,171	
Washed ore .. .. .	470,764	464,690	( <i>m</i> ) 722,814
Tchiaturi ( <i>b</i> )—			
Crude ore .. .. .	758,569	629,117	
Washed ore .. .. .	429,451	307,369	( <i>m</i> )
Urals—			
Crude ore .. .. .	7,223	2,201	( <i>a</i> )

PRODUCTION OF MANGANESE ORE (*Cont.*)

Producing Country	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Argentina (railway shipments) .. .. .	138	226	(a)
Spain .. .. .	44,237	36,288	(a)
Sweden .. .. .	15,017	16,557	15,541
Algeria (exports) .. .. .	568	3,757	(n)
Egypt .. .. .	119,943	150,431	135,330
Morocco (French Zone) .. .. .	300	2,401	(a)
Tunis .. .. .	1,407	2,024	2,500
Cuba .. .. .	(g) 24,256	(g) 127,704	(a)
Porto Rico (exports) .. .. .	1,417	1,624	(a)
Mexico .. .. .	3,247	(a)	(a)
United States (l) .. .. .	46,258	44,741	46,636
Brazil .. .. .	256,420	269,174	314,774
Chile .. .. .	10,473	7,567	(a)
Peru .. .. .	33	—	(a)
China (exports) .. .. .	41,789	45,617	42,646
Japan .. .. .	14,969	27,125	17,414
Dutch East Indies .. .. .	11,765	14,727	(a)
Portuguese India .. .. .	3,040	2,376	(a)
New Caledonia .. .. .	—	128	(a)
Turkey .. .. .	76	11,219	59
<b>Total (j) ..</b>	<b>2,400,000</b>	<b>2,500,000</b>	<b>(a)</b>
<b>WORLD'S TOTAL (j)</b>	<b>3,800,000</b>	<b>4,000,000</b>	<b>(a)</b>

(a) Information not available.

(b) In addition 42,365 tons in 1925/6 and 20,220 tons in 1926/7 of concentrates were produced from waste dumps.

(g) Exports

(i) Shipments.

(j) See notes (k) and (l).

(k) Manganese content of manganese ore and mangiferous iron-ore.

(l) Shipments, excluding ore containing 10–35 per cent. Mn., which is included with iron-ore, as follows:—

1926 .. .. .	364,312 long tons
1927 .. .. .	148,291 „ „
1928 .. .. .	90,711 „ „

(m) Included with Nikopol.

(n) Production in 1928 was nil.

## EXPORTS OF MANGANESE ORE, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ferro-manganese and spiegeleisen .. .. .	35,104	58,230	56,643
Gold Coast—			
Ore .. .. .	344,933	369,205	324,499
Canada—			
Ore .. .. .	216	—	—
Ferro-manganese and other ferro-alloys .. .. .	21,862	21,244	24,812
India ( <i>by sea</i> )— ( <i>d</i> )			
Ore .. .. .	523,916	681,443	658,567
Ferruginous manganese ore	13,050	12,250	11,860
Ferro-manganese .. .. .	6,897	3,042	3,108
Australia (including re- exports)—			
Ore .. .. .	93	31	—
New Zealand—			
Ore .. .. .	—	5	—
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	—	1	—
Belgium-Luxemburg E.U.—			
Ore .. .. .	701	779	333
Czechoslovakia—			
Ore .. .. .	1	468	—
France—			
Ore .. .. .	1,957	1,866	3,163
Ferro-manganese .. .. .	996	1,174	1,117
Manganese dioxide .. .. .	52	60	127
Germany—			
Ore .. .. .	1,900	563	810
Ferro-manganese .. .. .	14,728	8,406	17,721
Hungary—			
Ore .. .. .	1,609	9,760	13,729
Italy—			
Ore, including manganiferous iron ore .. .. .	2,933	907	—
Ferro-manganese .. .. .	1,242	1,458	1,954
Jugoslavia—			
Ore .. .. .	( <i>a</i> )	561	1,838
Ferro-manganese .. .. .	( <i>a</i> )	95	107

(*d*) Excluding manganese ore mined in British India, but exported via the Portuguese port of Mormugao—1926, 89,620 tons, 1927, 162,378 tons and 1928, 175,577 tons.



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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore .. .. .	1,136	1,129	1,588
Norway—			
Ferro-manganese .. ..	77,984	69,871	76,089
Poland—			
Ore .. .. .	83	—	—
Ferro-manganese .. ..	7,352	5,323	5,316
Russia (years ended Sept. 30)			
Ore .. .. .	662,363	772,293	491,003
Spain (including re-exports)—			
Ore .. .. .	34,783	78,937	41,783
Sweden—			
Ore .. .. .	261	315	469
Ferro-manganese and spie- geleisen .. .. .	25	431	905
Ferro-manganese-silicon and ferro-silicon .. ..	15,522	19,137	21,646
Algeria—			
Ore .. .. .	568	3,757	1,453
Morocco (French Zone)—			
Ore .. .. .	301	2,653	2,110
Tunis—			
Ore .. .. .	1,021	1,962	748
Cuba—			
Ore .. .. .	24,256	127,704	(a)
United States—			
Ferro-manganese .. ..	693	1,641	9,440
Brazil—			
Ore .. .. .	314,685	237,937	356,114
Chile—			
Ore .. .. .	10,958	7,567	9,077
Uruguay—			
Manganese oxide .. ..	39	—	(a)
China—			
Ore .. .. .	41,789	45,617	42,646
Dutch East Indies—			
Ore .. .. .	11,577	15,043	14,663
Japan—			
Ore .. .. .	1,596	1,410	1,547
New Caledonia—			
Ore .. .. .	—	128	(a)

(a) Information not available.

## IMPORTS OF MANGANESE ORE, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	142,605	198,421	205,938
Ferro-manganese and spiegeleisen .. .. .	899	8,089	5,795
Union of South Africa—			
Ferro-manganese .. .. .	394	327	318
Manganese dioxide .. .. .	9	13	21
Canada—			
Ferro-alloys .. .. .	2,558	3,406	5,435
Ore (oxide) .. .. .	34,261	62,402	95,038
Australia—			
Ore .. .. .	146	158	118
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	46	65	74
Belgium-Luxemburg E. U.—			
Ore .. .. .	264,320	265,107	262,896
Czechoslovakia—			
Ore .. .. .	2,303	2,459	25,787
Denmark—			
Ore .. .. .	1,009	1,339	1,242
Finland—			
Ore .. .. .	98	88	82
France—			
Ore .. .. .	601,853	649,170	726,567
Ferro-manganese .. .. .	22,349	26,093	15,559
Manganese dioxide .. .. .	336	200	288
Germany—			
Ore .. .. .	195,914	367,141	279,750
Ferro-manganese .. .. .	569	4,931	4,300
Hungary—			
Ore .. .. .	78	341	13
Italy—			
Ore, including manganiferous iron ore .. .. .	47,798	50,792	93,860
Ferro-manganese .. .. .	248	103	176
Jugoslavia—			
Ore .. .. .	(a)	7	56
Ferro-manganese .. .. .	(a)	764	1,749

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore .. .. .	2,563	6,654	5,957
Norway—			
Ore .. .. .	133,728	147,411	137,714
Poland—			
Ore .. .. .	49,675	77,791	40,726
Ferro-manganese .. ..	1,476	736	1,248
Manganese dioxide ..	40	111	95
Spain (total imports)—			
Ore .. .. .	2,413	3,216	13,263
Ferro-manganese .. ..	1,057	6,149	2,760
Sweden—			
Ore .. .. .	354	293	347
Ferro-manganese and spie- geleisen .. .. .	1,282	1,906	1,441
Ferro-manganese-silicon and ferro-silicon .. ..	210	108	319
United States—			
Manganese ores from Cuba..	14,112	(j) 8,976	(j) 3,180
Other manganese ore ( <i>Mn</i> <i>content</i> ) .. .. .	347,378	304,419	206,252
Ferro-manganese and other alloys ( <i>Mn content</i> ) ..	43,887	34,018	47,602
Argentina—			
Dioxide and borate of manganese .. ..	83	62	54
Colombia—			
Manganese .. .. .	37	(a)	(a)
Japan (total imports)—			
Ore .. .. .	95,042	(a)	(a)
Ferro-manganese .. ..	2,648	3,343	2,063

(a) Information not available.

(j) Mn. content 4,175 and 1,556 long tons in 1927 and 1928 respectively.

## MICA

## PRODUCTION OF MICA

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Northern Rhodesia ..	4	8	4
Southern Rhodesia ..	163	(k) 183	183
Tanganyika Territory ..	52	42	33
Union of South Africa ..	1,130	1,660	3,572
Canada (shipments) ..	2,272	2,445	3,196
India (exports) .. ..	4,497	3,874	4,774
Australia .. .. .	11	5	25
<b>FOREIGN COUNTRIES</b>			
France (lithium mica) ..	246	(a)	(a)
Germany (lithium mica) ..	654	(a)	(a)
Norway (exports) .. ..	41	8	84
Portugal (lithium mica) ..	184	379	(a)
Russia (years ended Sept.30)	478	1,496	96
Sweden .. .. .	52	10	12
Madagascar .. .. .	325	497	625
United States (sales) ..	7,258	6,282	5,902
Argentina (exports) ..	83	75	(a)
Brazil .. .. .	51	39	74
Korea .. .. .	16	(a)	(a)
Guatemala .. .. .	12	7	(a)

(a) Information not available.

(k) In addition 19 tons of lithium mica were produced.

## EXPORTS OF MICA

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Sheet and splittings .. ..	14	16	2
Ground .. .. .	1	—	—
Southern Rhodesia .. ..	154	142	198
Tanganyika Territory .. ..	53	35	40
Union of South Africa .. ..	11	321	3,245
Canada—			
Rough-cobbed and thumb- trimmed .. .. .	39	147	28
Splittings .. .. .	282	142	75
Scrap and waste .. ..	3,366	4,050	3,880
India (by sea)—			
Sheet .. .. .	791	713	621
Splittings .. .. .	3,706	3,161	4,153
FOREIGN COUNTRIES			
Austria .. .. .	35	14	7
Belgium-Luxemburg E.U.—			
Crude sheet and plate .. ..	9	1	12
Cut sheet and plate .. ..	22	—	1
France—			
Unmanufactured .. ..	331	93	181
Sheet, plate and manufactures	55	179	269
Germany—			
Unmanufactured .. ..	101	39	61
Italy .. .. .	48	3	5
Netherlands—			
Unmanufactured .. ..	4	—	—
Norway—			
Sheet .. .. .	2	4	2
Scrap .. .. .	39	4	82

EXPORTS OF MICA (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Russia (years ended Sept. 30)	10	31	105
Sweden .. .. .	17	16	10
Switzerland (including asbestos)	24	34	6
Madagascar .. .. .	291	536	622
United States (including manu- factures) .. .. .	1,038	1,280	1,639
Argentina .. .. .	83	75	52
Brazil .. .. .	51	39	43

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

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Sheet and splittings .. .. .	1,081	1,204	1,247
Ground .. .. .	404	487	578
Union of South Africa—			
Micanite sheets .. .. .	(£557)	(£856)	(£445)
India (total imports by sea)—			
Sheet .. .. .	46	78	17
Splittings .. .. .	13	4	22
Australia .. .. .	2	7	—
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	94	47	23
Belgium-Luxemburg E.U.—			
Crude sheet and plate .. .. .	107	91	49
Cut sheet and plate .. .. .	19	22	34
Denmark .. .. .	26	20	21
France—			
Unmanufactured .. .. .	969	739	952
Sheet, plate and manufactures	56	242	278
Germany—			
Unmanufactured .. .. .	723	995	1,011
Italy.. .. .	82	134	166
Netherlands—			
Unmanufactured .. .. .	2	3	4
Poland .. .. .	8	13	29
Rumania—			
Sheet .. .. .	2	(a)	(a)
Russia (years ended Sept. 30) ..	75	7	5
Spain (total imports)—			
Sheet .. .. .	7	8	7

(a) Information not available.

IMPORTS OF MICA (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Sweden—			
Mica and manufactures ..	62	82	100
Switzerland (including asbestos)	914	1,132	1,055
Egypt .. .. .	1	—	—
United States—			
Unmanufactured .. .. .	365	338	224
Cut, splittings and manufactures	2,738	1,094	1,417
Chile .. .. .	2	2	2



## MOLYBDENUM

### PRODUCTION OF MOLYBDENUM ORE

(In cwt. of concentrates)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Canada (MoS <sub>2</sub> ) .. ..	187	—	—
Australia .. ..	848	20	40
FOREIGN COUNTRIES			
Austria .. ..	539	1	96
Italy .. ..	10	6	(a)
Norway (MoS <sub>2</sub> ) .. ..	2,303	2,441	3,287
Russia (years ended Sept. 30) .. ..	77	74	413
Sweden (ore) .. ..	118	—	—
French Morocco .. ..	79	83	(a)
United States .. ..	(i) 12,300	20,411	29,725
Chile .. ..	—	29	(a)
Korea .. ..	130	(a)	(a)

(a) Information not available.

(i) Estimated.

EXPORTS OF MOLYBDENUM ORE, ETC.  
(*Domestic Produce*)  
(Cwt.)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
Canada—			
Ore (metal content) .. .. .	10	9	—
Australia (including re-exports)—			
Ore .. .. .	446	655	48
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates	114	22	24
Norway—			
Ore .. .. .	3,615	4,722	4,462
Morocco (French Zone)—			
Molybdenite .. .. .	79	69	(a)
Chile—			
Ore .. .. .	4	29	(a)
Peru—			
Ore (Molybdenum content) ..	—	19	(a)

(a) Information not available.

IMPORTS OF MOLYBDENUM ORE, ETC.  
(*Less Re-exports*)  
(Cwt.)

Importing Country and Description.	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore .. .. .	1,481	5,297	4,308
FOREIGN COUNTRIES			
France—			
Molybdic acid and molybdates	18	41	79
Jugoslavia—			
Ore .. .. .	(a)	(a)	11
United States—			
Molybdenum content of—			
Ore .. .. .	120	112	(a)
Ferro-molybdenum, etc. ..	6	15	3

(a) Information not available.

**MONAZITE**

—  
**PRODUCTION OF MONAZITE**  
 (Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
India .. .. .	64	280	103
<b>FOREIGN COUNTRIES</b>			
Brazil (exports) .. ..	197	200	2,069

EXPORTS OF MONAZITE, ETC.  
(Domestic Produce)

Exporting Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE</b>				
United Kingdom—				
Thorium nitrate .. .. .	Cwt.	14	22	5
Gas mantles .. .. .	Gross	16,161	19,839	18,832
India (by sea)—				
Monazite sand.. .. .	Long ton	346	503	80
<b>FOREIGN COUNTRIES</b>				
Belgium-Luxemburg E.U.—				
Gas mantles .. .. .	Cwt.	715	654	1,110
France—				
Thorium nitrate and other rare-earth salts .. .. .				
Gas mantles .. .. .	Cwt.	388	191	114
Gas mantles .. .. .	Gross	1,313	1,799	1,729
Germany—				
Gas mantles .. .. .	Gross	77,819	67,583	53,090
Italy—				
Gas mantles .. .. .	Gross	9,628	3,853	1,000
Netherlands—				
Gas mantles .. .. .	Cwt.	708	368	69
Poland—				
Gas mantles .. .. .	Cwt.	173	—	—
Sweden—				
Gas mantles .. .. .	Cwt.	36	197	187
Switzerland—				
Gas mantles .. .. .	Cwt.	279	24	1
United States—				
Gas mantles .. .. .	Gross	19,223	16,824	20,076
Brazil—				
Monazite sand .. .. .	Long ton	197	200	2,069

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. In the case of the Netherlands, however, weight of packing, etc., is included.

## IMPORTS OF MONAZITE, ETC.

(Less Re-exports)

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE				
United Kingdom—				
Monazite sand .. ..	Long ton	473	(j)18	150
Thorium nitrate .. ..	Cwt.	166	555	554
Gas mantles .. ..	Gross	46,856	27,943	10,146
Irish Free State—				
Gas mantles .. ..	Gross	3,868	3,487	3,541
Canada—				
Gas mantles .. ..	£	10,230	9,966	10,451
Thorium nitrate, etc. .. ..	£	9,339	8,445	1,882
Ceylon—				
Gas mantles .. ..	Gross	2,219	1,515	2,201
Australia—				
Gas mantles .. ..	Gross	9,625	7,600	8,282
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Gas mantles .. ..	Cwt.	148	169	140
France—				
Thorium nitrate and other rare-earth salts .. ..	Cwt.	2	22	43
Gas mantles .. ..	Gross	757	965	778
Germany—				
Monazite sand .. ..	Long ton	11	18	144
Gas mantles .. ..	Cwt.	8	—	6
Hungary—				
Gas mantles .. ..	Cwt.	12	28	22
Italy—				
Gas mantles .. ..	Gross	166	114	124
Thorium and cerium salts .. ..	Cwt.	39	42	21
Jugoslavia—				
Gas mantles .. ..	Gross	2,400	2,016	1,006
Netherlands—				
Gas mantles .. ..	Cwt.	1,476	887	943
Poland—				
Gas mantles .. ..	Cwt.	100	254	260
Sweden—				
Thorium nitrate and other rare-earth salts .. ..	Cwt.	91	97	92
Gas mantles .. ..	do.	20	14	11

(j) Excess of re-exports.

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

Importing Country and Description.	Unit.	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )				
Switzerland— Gas mantles .. .. .	Cwt.	7	7	8
Egypt— Gas mantles .. .. .	£	14,304	18,049	15,729
United States— Monazite sand and thorite ..	Long ton	299	533	395
Thorium nitrate .. .. .	Cwt.	191	91	111
Gas mantles .. .. .	Gross	11,562	7,403	6,004
Brazil (total imports)— Gas mantles .. .. .	Cwt.	42	22	18

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. In the case of the Netherlands, however, weight of packing, etc., is included.

## NICKEL

### PRODUCTION OF NICKEL ORE

(In terms of metal)

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Canada .. .. .	29,337	29,821	43,194
India (b) .. .. .	(a)	254	727
Australia .. .. .	—	86	(a)
<b>FOREIGN COUNTRIES</b>			
Greece .. .. .	27	25	(a)
Norway .. .. .	—	160	403
United States (i) .. .. .	273	768	466
New Caledonia (exports) ..	3,768	3,163	1,842
<b>WORLD'S TOTAL</b>	<b>33,000</b>	<b>34,000</b>	<b>46,000</b>

(a) Information not available.

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

(i) Nickel content of salts and nickel produced as a by-product in the electrolytic refining of copper.

## EXPORTS OF NICKEL

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Cubes, rondels, etc. . .	5,406	7,919	8,133
Plates, sheets and anodes..	174	141	325
Ingots, sheets, etc. (alloyed)	654	673	873
Nickel oxide.. . . .	4	5	5
Canada—			
Ore, matte, etc. ( <i>Ni content</i> )	17,490	16,276	16,237
Nickel, fine . . . . .	11,026	12,953	22,852
Nickel oxide . . . . .	—	2,320	4,289
FOREIGN COUNTRIES			
Austria—			
Crude nickel and scrap . .	629	692	458
Plates, sheets, and anodes	124	195	304
Belgium-Luxemburg E.U.—			
Ingots, etc. . . . .	986	574	493
Sheets, wire, etc. . . . .	1,572	1,253	3
Czechoslovakia—			
Crude nickel and scrap . .	11	7	14
Denmark—			
Sheets, rods, wire and alloy	4	9	—
France—			
Ore . . . . .	9	1,187	—
Matte, speiss, etc. . . . .	12	99	26
Ingots, etc. . . . .	94	477	123
ditto (alloyed) . . . . .	24	5	48
Sheets, wire, etc. . . . .	38	62	47
ditto (alloyed) . . . . .	95	75	76
Nickel sulphate and oxide..	40	20	26



EXPORTS OF NICKEL (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Germany—			
Nickel and chrome ores ..	20	362	93
Crude, scrap and coin ..	669	1,121	2,239
Hungary—			
Crude nickel and scrap ..	—	1	25
Italy—			
Nickel and alloys .. ..	239	289	273
Netherlands—			
Crude nickel and scrap ..	25	27	52
Norway—			
Ingots .. .. .	—	25	456
Sweden—			
Crude nickel .. ..	8	2	5
Nickel oxide and sulphate	42	35	57
Switzerland—			
Nickel and nickel-silver ..	273	545	992
United States—			
Nickel and alloys.. ..	714	942	1,071
Nickel-silver bars, etc. ..	687	636	627
New Caledonia—			
Matte .. .. .	4,958	4,358	2,424

(a) Information not available.

## IMPORTS OF NICKEL

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Ore and matte ( <i>d</i> ) .. ..	2	106	( <i>c</i> ) 3,469
Cubes, rondels, etc. ..	548	1,585	1,083
Plates, sheets and anodes	46	28	98
Ingots, sheets, etc., (alloyed)	707	1,030	99
Nickel oxide .. ..	688	25	42
Irish Free State—			
Nickel, alloys and manu- factures .. .. .	117	179	226
Canada—			
Ingots, blocks and alloyed	5	692	97
Bars, rods, sheets, etc. ..	447	369	326
ditto (alloyed) .. ..	47	35	75
India (total imports by sea)—			
Nickel-silver .. ..	877	757	1,251
Australia—			
Ingots, sheets, scrap, etc.	65	63	17
<b>FOREIGN COUNTRIES</b>			
Austria—			
Crude nickel and scrap ..	362	759	1,245
Plates, sheets and anodes..	11	12	25
Belgium-Luxemburg E.U.—			
Ingots, etc. .. ..	2,314	2,143	248
Sheets, wire, etc. .. ..	195	263	318
Czechoslovakia—			
Crude and scrap .. ..	317	595	940
Plates and sheets .. ..	27	45	52
Denmark—			
Ingots, etc. .. ..	9	9	( <i>a</i> )
Sheets, rods, wire and alloys	126	145	( <i>a</i> )

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

*(d)* Canada records exports to the United Kingdom of nickel contained in ore, matte or spieß as follows :—1926, 10,717 long tons ; 1927, 12,738 long tons ; 1928, 11,777 long tons.

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Finland—			
Crude nickel and scrap ..	8	3	14
France—			
Ore .. .. .	8,528	2	—
Matte, speiss, etc. .. ..	1,855	1,063	2,175
Ingots or crude lumps ..	1,441	1,069	1,750
ditto (alloyed) .. ..	40	17	17
Sheets, wire, etc. .. ..	87	105	203
ditto (alloyed) .. ..	340	365	365
Nickel sulphate and oxide	729	464	928
Germany—			
Ore .. .. .	2,920	2,440	2,299
Crude, scrap and coin ..	1,817	3,440	4,102
Greece .. .. .	2	2	2
Hungary—			
Crude nickel and scrap ..	165	46	37
Bars and wire .. ..	57	60	64
Italy—			
Nickel and alloys .. ..	772	911	1,385
Jugoslavia—			
Crude, scrap and coin ..	433	3	2
Bars, sheets, wire, etc. ..	5	7	2
Netherlands—			
Crude and scrap .. ..	98	111	171
Poland—			
Ingots, sheets, scrap, etc. ..	74	206	285
Portugal .. .. .	1	—	(a)
Rumania—			
Nickel and scrap .. ..	12	16	(a)
Russia (years ended Sept. 30)	23	355	1,705
Spain (total imports)—			
Ingots, etc. .. ..	135	233	175
Sheets, tubes, wire and alloys .. .. .	95	120	127
Sweden—			
Crude nickel .. ..	130	204	379
Nickel oxide and sulphate	122	354	370
Switzerland—			
Nickel and nickel silver ..	496	637	1,380
Egypt—			
Nickel and alloys .. ..	52	28	31
United States—			
Ore and matte .. ..	6,534	4,797	8,299
Nickel and alloys .. ..	13,116	13,295	21,873
Nickel oxide .. ..	663	452	778

IMPORTS OF NICKEL (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Brazil (total imports)—			
Cubes and sheets .. ..	5	7	18
Chile—			
Bars and plates .. ..	5	5	8
China—	256	297	177
Dutch East Indies—	5	6	6
French Indo-China—			
Sheets, wire, etc. and alloys	1	3	(a)
Japan (total imports)—			
Ingots and grains .. ..	379	599	1,042
Other nickel .. ..	58	31	21
Philippine Islands—	15	30	4
Turkey—			
Nickel and alloys .. ..	7	4	(a)

(a) Information not available.

## NITRATES

## PRODUCTION OF NITRATES

(Long tons)

Producing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
India—			
Nitrate of potash (estimated)	5,700	6,800	4,700
<b>FOREIGN COUNTRIES</b>			
Norway (years ended June 30)—			
Nitrate of lime .. ..	177,000	157,000	170,000
Poland—			
Nitrate of soda .. ..	335	999	(a)
Russia (years ended Sept. 30)—			
Nitrates .. .. .	53	(a)	(a)
Spain—			
Nitrate of potash .. ..	935	935	604
Egypt (one company only)—			
Nitrate of soda .. ..	448	453	(a)
Chile—			
Nitrate of soda .. ..	1,984,582	1,588,590	3,113,737

(a) Information not available.

## EXPORTS OF NITRATES

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash .. ..	877	874	828
Nitrate of soda .. ..	353	212	510
Nitrate of lime .. ..	219	11	5
British Malaya (including re- exports)—			
Nitrate of potash .. ..	320	35	373
India (by sea)—			
Nitrate of potash .. ..	4,942	6,151	4,479
Australia (including re-exports)—			
Nitrate of soda .. ..	2	20	1
FOREIGN COUNTRIES			
Austria—			
Nitrate of soda .. ..	13	9	6
Nitrate of potash .. ..	122	149	325
Belgium-Luxemburg E.U.—			
Nitrate of potash .. ..	1,327	744	249
Nitrate of soda .. ..	797	5,914	1,425
Nitrate of lime .. ..	42	385	18
Czechoslovakia —			
Nitrate of potash .. ..	96	97	105
Nitrate of soda .. ..	38	103	700
France—			
Nitrate of potash—			
Natural .. ..	1,416	1,040	310
Synthetic .. ..	6,813	6,456	6,481
Nitrate of soda .. ..	4,222	2,050	3,724
Nitrate of lime .. ..	338	934	1,302
Germany (including repara- tions)—			
Nitrate of potash .. ..	12,896	20,908	22,796
Nitrate of soda .. ..	33,967	59,325	31,910
Hungary—			
Nitrate of soda .. ..	3	21	—

EXPORTS OF NITRATES (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Italy—			
Nitrate of potash .. ..	1	1	2
Nitrate of soda .. ..	36	41	22
Nitrate of lime .. ..	—	—	16
Netherlands—			
Nitrate of potash, refined ..	2,267	2,111	1,807
Nitrate of soda .. ..	1,000	4,600	820
Nitrate of lime .. ..	2	268	16
Norway—			
Nitrate of soda .. ..	27,777	33,370	34,022
Nitrate of lime .. ..	171,501	134,389	109,965
Poland—			
Nitrate of potash .. ..	70	40	6
Nitrate of soda .. ..	5	1	15
Nitrate of lime .. ..	44	11	—
Sweden—			
Nitrate of potash .. ..	—	1	3
Nitrate of soda .. ..	3	11	34
Nitrate of lime .. ..	—	—	4
Switzerland—			
Nitrates of potash and soda .. ..	—	—	220
Chile—			
Nitrate of soda .. ..	1,641,823	2,235,607	2,788,157

(a) Information not available.

## IMPORTS OF NITRATES

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Nitrate of potash .. ..	6,094	6,539	5,656
Nitrate of soda .. ..	38,401	76,387	76,048
Nitrate of lime .. ..	5,908	4,809	4,940
Irish Free State—			
Nitrate of potash .. ..	193	200	215
Nitrate of soda .. ..	1,509	1,803	2,202
Mauritius—			
Nitrate of potash .. ..	2,355	3,243	2,787
Nitrate of soda .. ..	1,495	3,891	2,984
Northern Rhodesia—			
Nitrates .. ..	3	4	104
Southern Rhodesia—			
Nitrate of potash .. ..	25	15	19
Union of South Africa—			
Nitrate of potash .. ..	205	105	150
Nitrate of soda .. ..	3,000	27	929
Canada—			
Nitrate of potash .. ..	735	560	448
Nitrate of soda .. ..	25,775	23,824	23,911
Barbados—			
Nitrate of soda .. ..	169	21	30
British Malaya (total imports)—			
Nitrate of potash .. ..	379	333	349
Ceylon—			
Nitrate of potash refuse ..	4,076	4,827	3,450
Nitrate of soda .. ..	5,288	6,293	2,806
India (total imports by sea)—			
Nitrate of soda .. ..	6,528	7,748	8,332
Australia—			
Nitrate of potash .. ..	562	650	452
Nitrate of soda .. ..	11,116	9,288	8,122
New Zealand—			
Nitrate of potash .. ..	78	79	95
Nitrate of soda .. ..	1,125	2,362	855



## IMPORTS OF NITRATES (Cont.)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
Austria—			
Nitrate of soda .. ..	3,838	2,389	3,632
Nitrate of potash .. ..	72	72	39
Nitrate of lime .. ..	(a)	(a)	5,117
Belgium-Luxemburg E. U.—			
Nitrate of potash .. ..	91	783	466
Nitrate of soda .. ..	112,990	60,674	136,144
Nitrate of lime .. ..	9,292	18,821	7,383
Bulgaria—			
Nitrates .. ..	88	185	(a)
Czechoslovakia—			
Nitrate of potash .. ..	1	18	75
Nitrate of soda .. ..	45,327	51,384	54,235
Denmark—			
Nitrate of potash .. ..	966	1,511	1,382
Nitrate of soda—			
Chile saltpetre .. ..	36,533	19,597	32,837
Other .. ..	124	181	130
Nitrate of lime .. ..	93,426	89,595	104,300
Estonia—			
Nitrate of potash .. ..	20	24	13
Nitrate of soda .. ..	1,008	943	1,867
Nitrate of lime .. ..	118	22	136
Finland—			
Nitrate of potash .. ..	35	41	63
Nitrate of soda .. ..	679	482	1,015
Nitrate of lime .. ..	12,549	13,511	15,695
France—			
Nitrate of potash—			
Natural .. ..	—	1	15
Synthetic .. ..	17	13	217
Nitrate of soda .. ..	172,018	341,381	345,735
Nitrate of lime .. ..	35,870	25,738	25,817
Germany—			
Nitrate of potash .. ..	926	210	336
Nitrate of soda .. ..	27,082	26,134	111,972
Greece—			
Nitrate of potash .. ..	74	78	111
Nitrate of soda .. ..	1,246	5,631	3,220
Hungary—			
Nitrate of soda .. ..	994	1,597	2,355
Italy—			
Nitrate of potash .. ..	1,505	1,590	1,838
Nitrate of soda .. ..	54,314	45,955	72,889
Nitrate of lime .. ..	2,356	2,737	8,632

(a) Information not available.

IMPORTS OF NITRATES (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Jugoslavia—			
Nitrate of potash .. ..	14	524	124
Nitrate of soda .. ..	407	843	1,047
Latvia—			
Nitrate of soda .. ..	748	705	995
Lithuania—			
Nitrate of potash .. ..	26	32	53
Nitrate of soda .. ..	386	161	841
Netherlands—			
Nitrate of potash, refined ..	417	686	861
Nitrate of soda .. ..	128,380	86,875	170,253
Nitrate of lime .. ..	39,251	44,139	67,328
Norway (total imports)—			
Nitrate of potash .. ..	123	120	138
Nitrate of soda .. ..	43	46	52
Poland—			
Nitrate of potash .. ..	382	549	284
Nitrate of soda .. ..	21,125	33,506	89,700
Nitrate of lime .. ..	1,754	6,193	6,666
Portugal—			
Nitrate of potash .. ..	235	241	(a)
Nitrate of soda .. ..	3,499	4,093	(a)
Rumania—			
Nitrate of potash .. ..	105	(a)	(a)
Nitrate of soda .. ..	(a)	229	(a)
Russia (years ended Sept. 30)—			
Nitrates of potash, soda and lime .. ..	10,784	19,659	67,317
Spain (total imports)—			
Nitrate of soda .. ..	71,066	124,505	137,937
Sweden—			
Nitrate of potash .. ..	537	418	577
Nitrate of soda .. ..	30,611	26,819	38,382
Nitrate of lime .. ..	11,180	37,269	29,063
Switzerland—			
Crude nitrate of potash ..	1,899	1,887	2,111
Nitrates of potash and soda	592	892	419
Egypt—			
Nitrate of potash .. ..	1	2	—
Nitrate of soda .. ..	170,119	140,052	185,107
Nitrate of lime .. ..	24,837	32,990	39,256
Réunion—			
Nitrate of soda .. ..	41	138	(a)

(a) Information not available.

IMPORTS OF NITRATES (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Tunis—			
Nitrate of potash .. ..	10	35	(a)
Nitrate of soda .. ..	190	207	(a)
Costa Rica—			
Nitrate of potash .. ..	3	(a)	(a)
Guadeloupe—			
Nitrate of soda .. ..	482	(a)	(a)
Mexico—			
Nitrates of potash and soda	2,404	3,197	(a)
United States—			
Nitrate of potash (total imports) .. ..	9,416	3,550	11,796
Nitrate of soda .. ..	906,819	736,522	1,014,887
Nitrate of lime .. ..	13,457	17,990	23,315
Argentina—			
Nitrate of potash .. ..	81	149	111
Nitrate of soda .. ..	1,632	2,059	3,516
Brazil (total imports)—			
Nitrate of potash .. ..	1,155	3,356	6,130
Chile—			
Nitrate of potash .. ..	27	28	25
Colombia—			
Nitrate of potash and soda	23	(a)	(a)
Peru—			
Nitrate of potash .. ..	174	650	(a)
Nitrate of soda .. ..	217	191	(a)
Uruguay—			
Nitrates of potash and soda	29	2	(a)
Venezuela—			
Nitrate of potash .. ..	67	68	(a)
China—			
Nitrate of potash .. ..	1,720	1,469	1,806
Nitrate of soda .. ..	4,270	2,905	4,855
Dutch East Indies (total imports)—			
Nitrate of potash .. ..	164	93	(c) 81
Nitrate of soda .. ..	249	1,546	(c) 105
French Indo-China—			
Nitrate of potash .. ..	157	98	(a)
Nitrate of soda .. ..	51	55	(a)
Japan (total imports)—			
Nitrate of potash .. ..	413	397	(a)
Nitrate of soda .. ..	62,953	54,569	51,812
Philippine Islands—			
Nitrate of soda .. ..	—	—	348

(a) Information not available.

(c) Java and Madura only.

## PETROLEUM AND ALLIED PRODUCTS

### PRODUCTION OF PETROLEUM (Including Shale-Oil) (Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	156,809	169,390	168,870
Canada (b) .. .. .	46,132	60,328	79,798
Barbados .. .. .	—	283	(a)
Trinidad .. .. .	681,023	737,050	1,052,664
British Borneo (Sarawak)	701,429	700,647	739,227
India (b) .. .. .	1,082,507	1,100,250	1,197,431
New Zealand .. ..	4	(a)	(a)
<b>Total ..</b>	<b>2,670,000</b>	<b>2,770,000</b>	<b>3,240,000</b>
<b>FOREIGN COUNTRIES</b>			
Czechoslovakia .. ..	21,788	16,214	13,709
Esthonia .. .. .	5,688	4,167	(a)
France .. .. .	67,977	81,276	79,345
Germany .. .. .	93,885	95,171	90,591
Greece .. .. .	506	—	—
Italy .. .. .	5,320	6,041	5,899
Poland .. .. .	783,509	711,184	731,163
Rumania .. .. .	3,193,174	3,611,402	4,214,743
Russia (years ended Sept. 30) .. .. .	8,209,736	10,175,047	11,545,279
Algeria .. .. .	1,400	1,186	1,286
Egypt .. .. .	170,220	181,641	264,085
Cuba .. .. .	300	400	(a)
Mexico (b) .. .. .	13,700,147	9,715,325	7,598,578
United States (b) .. ..	104,172,200	121,774,200	121,820,811
Argentina .. .. .	1,158,544	1,288,315	1,459,600
Colombia .. .. .	920,506	2,112,979	2,802,208
Ecuador .. .. .	54,330	69,802	153,500
Peru .. .. .	1,372,920	1,319,424	1,490,000
Venezuela .. .. .	5,125,206	8,630,738	15,666,450
Dutch East Indies ..	2,970,442	3,635,530	3,908,333
Formosa .. .. .	12,445	20,498	15,100
Iraq .. .. .	—	44,290	93,000
Japan .. .. .	242,429	234,881	262,457
Persia .. .. .	4,683,430	5,242,000	5,700,000
<b>Total ..</b>	<b>147,000,000</b>	<b>168,800,000</b>	<b>177,900,000</b>
<b>WORLD'S TOTAL</b>	<b>149,700,000</b>	<b>171,600,000</b>	<b>181,100,000</b>

(a) Information not available.

(b) The following conversion rates have been used: 35 gallons=1 barrel, and the undermentioned barrels=one ton:—Canada 7·9, Mexico, 6·6, Trinidad, 7·3, India, 7·4, United States, 7·4, Colombia 7·1

PRODUCTION OF NATURAL GAS  
(Thousand cubic feet)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom (estimated) .. ..	100	100	100
Canada .. ..	19,208,209	21,376,791	22,431,272
FOREIGN COUNTRIES			
Czechoslovakia .. ..	11,512	9,658	9,939
Italy .. ..	209,770	206,507	226,129
Jugoslavia (estimated) .. ..	3,000,000	3,000,000	3,000,000
Poland .. ..	16,999,379	16,037,828	16,226,656
Rumania .. ..	13,304,994	15,433,908	21,648,805
Russia (years ended Sept. 30) .. ..	7,659,144	8,651,420	(a)
United States .. ..	1,313,019,000	1,445,428,000	1,568,139,000
Dutch East Indies .. ..	366,038	351,783	(a)
Japan .. ..	788,109	992,202	(a)

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. Large quantities of natural gas are produced in Mexico, while Argentina, Colombia, Venezuela and the Philippine Islands are other producing countries. The figures represent only that part of the gas produced which is actually utilized.

(a) Information not available.

PRODUCTION OF NATURAL ASPHALT  
(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Barbados (exports of manjak) .. ..	107	45	59
Trinidad .. ..	237,300	242,131	195,980
FOREIGN COUNTRIES			
Italy .. ..	723	778	(a)
Poland (ozokerite) .. ..	712	724	755
Russia (years ended Sept. 30) .. ..	27,400	45,313	21,116
Switzerland (exports) .. ..	27,749	36,136	20,984
Cuba (exports) .. ..	23,785	24,650	(a)
United States—			
Gilsonite .. ..	37,670	38,018	(a)
Ozokerite .. ..	—	71	(a)
Wurtzilite .. ..	214	250	(a)
Venezuela .. ..	50,738	109,881	(a)

(a) Information not available.

## PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country	1926	1927	1928
FOREIGN COUNTRIES			
France .. .. .	52,000	47,764	53,846
Germany .. .. .	60,003	115,975	155,828
Greece .. .. .	396	285	3,123
Italy .. .. .	307,850	356,945	240,617
Jugoslavia .. .. .	84	140	527
Rumania .. .. .	24,498	30,227	8,735
Russia (years ended Sept. 30)	2,723	2,301	4,006
Spain .. .. .	5,764	4,443	(a)
United States .. .. .	600,670	710,804	(a)
Dutch East Indies .. .. .	153	1,319	(a)

(a) Information not available.

## PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. .. .	1,959,795	2,047,263	2,038,114
Australia .. .. .	2,127	3,150	2,595
FOREIGN COUNTRIES			
Austria .. .. .	465	445	649
Esthonia .. .. .	432,652	391,338	439,169
France (including boghead coal) .. .. .	68,097	(a)	(a)
Germany (Bavaria) .. .. .	10	472	(a)
Italy .. .. .	10,039	11,899	8,647
Russia (years ended Sept. 30)	1,841	9,285	(a)

(a) Information not available.

## EXPORTS OF PETROLEUM AND ALLIED PRODUCTS

*(Domestic Produce)*

Exporting Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE</b>				
<b>United Kingdom—</b>				
Crude petroleum ..	Gallon	28,552	70,843	46,570
Motor spirit, etc. ..	do.	40,011,709	29,793,908	41,033,881
Kerosene .. ..	do.	25,960,739	22,275,426	28,853,308
Fuel-oil and gas-oil ..	do.	53,612,151	64,397,061	45,082,221
Lubricating oil ..	do.	7,644,067	9,129,421	7,365,968
Other refined oils ..	do.	245,196	334,403	888,266
Mineral jelly .. ..	Long ton	646	418	318
Paraffin wax .. ..	do.	8,878	8,969	8,492
<b>Malta—</b>				
Fuel-oil (bunkers) ..	Gallon	3,105	6,290	836
<b>Canada—</b>				
Crude petroleum ..	Gallon	21,043,135	18,793,254	21,531,929
Motor spirit .. ..	do.	3,867,536	2,463,379	3,957,557
ditto, refined .. ..	do.	1,584,645	1,759,838	1,297,081
Mineral wax .. ..	Long ton	477	161	447
Other products .. ..	Gallon	961,577	258,251	279,946
<b>British West Indies—</b>				
<b>Barbados—</b>				
Manjak .. ..	Long ton	107	45	59
<b>Trinidad and Tobago—</b>				
Crude petroleum ..	Gallon	12,699,177	15,899,385	25,756,405
Motor spirit .. ..	do.	20,799,384	28,444,066	39,343,504
Kerosene .. ..	do.	857,391	1,324,965	539,193
Fuel-oil .. ..	do.	105,175,686	110,312,796	157,010,616
Lubricating oil ..	do.	7,061	5,752	8,928
<b>Asphalt—</b>				
Crude .. ..	Long ton	40,798	46,915	27,150
Dried .. ..	do.	140,135	139,445	125,138
Manjak .. ..	do.	18	3	—
<b>Aden (including re-exports)—</b>				
Motor spirit .. ..	Gallon	54,976	51,924	52,750
Kerosene .. ..	do.	254,404	398,112	200,276
Other mineral oils ..	do.	43,636	32,547	24,190

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

Exporting Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>				
British Borneo (Sarawak)—				
Crude petroleum ..	Long ton	160,801	214,554	235,036
Motor spirit .. ..	do.	105,876	109,282	67,974
Kerosene .. ..	do.	82,886	67,887	98,981
Fuel-oil .. ..	do.	332,203	217,735	196,398
British Malaya (including re-exports)—				
Crude petroleum ..	Long ton	85	629	1,292
Motor spirit .. ..	do.	205,455	202,397	184,310
Kerosene .. ..	do.	61,649	92,005	111,240
Fuel-oil .. ..	do.	45,961	55,373	62,309
do. (bunkers) ..	do.	172,179	205,669	219,379
Lubricating oil ..	Gallon	2,457,617	2,124,734	1,553,592
Other petroleum oils ..	Long ton	1	52	9
Greases .. ..	do.	292	311	311
Paraffin wax .. ..	do.	597	193	190
Asphalt and bitumen ..	do.	1,876	2,218	2,033
India (including re-exports)—				
Petroleum .. ..	Long ton	12,074	16,176	13,431
Motor spirit, etc. ..	Gallon	2,345,360	154,478	140,755
Paraffin wax .. ..	Long ton	40,623	47,700	49,676
Australia (including re-exports)—				
Crude petroleum ..	Gallon	199,577	38,661	55,025
Motor spirit, etc. ..	do.	1,014,058	176,433	133,240
Kerosene .. ..	do.	351,115	221,215	180,025
Lubricating oil ..	do.	169,788	256,451	368,250
Residual and solar oils	do.	212,667	593,579	286,208
Greases .. ..	Long ton	258	350	314
Paraffin wax, etc. ..	do.	3	2	2



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

Exporting Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES</b>				
<b>Austria—</b>				
Crude petroleum .. ..	Long ton	1	—	—
Motor spirit .. ..	do.	40	—	2
Kerosene, gas-oil, etc.	do.	6	8	5
Lubricating oils, etc.	do.	147	124	130
Vaseline and paraffin wax .. ..	do.	17	28	12
Ozokerite .. ..	do.	217	144	228
Asphalt products .. ..	do.	256	709	1,787
<b>Belgium-Luxemburg E.U.—</b>				
Crude petroleum .. ..	Long ton	263	363	117
Refined petroleum .. ..	do.	512	24	129
Kerosene .. ..	do.	721	163	39
do. (bunkers) .. ..	do.	56	31	27
Lubricating oil .. ..	do.	11,554	6,174	2,354
Fuel-oil.. ..	do.	520	237	66
do. (bunkers) .. ..	do.	1,285	39	15
Other heavy oils .. ..	do.	3,006	2,238	2,016
Vaseline and paraffin wax .. ..	do.	429	833	1,421
Ozokerite .. ..	do.	153	119	146
Asphalt .. ..	do.	643	107	509
<b>Czechoslovakia—</b>				
Crude oils .. ..	Long ton	6,260	4,576	615
Refined oils .. ..	do.	13,462	13,224	8,553
Residual oils .. ..	do.	252	251	1
Paraffin wax .. ..	do.	220	408	512
Ozokerite and ceresin..	do.	155	269	383
Asphalt and bitumen..	do.	128	310	915
<b>Denmark—</b>				
Fuel-oil .. ..	Long ton	38	50	2
Crude residual oils .. ..	do.	371	276	268
Lubricating oil .. ..	do.	324	225	265
Paraffin wax, etc. .. ..	do.	16	20	17
<b>Estonia—</b>				
Shale oil .. ..	Long ton	7	863	2,476
Motor spirit .. ..	do.	7	5	15
Oil-shale .. ..	do.	588	1,746	10
<b>France—</b>				
Petroleum and shale-oil, crude.. ..	Long ton	65	21	33
do. refined .. ..	Gallon	28,160	42,831	} 54,824
do. (bunkers) .. ..	do.	42,570	22,758	

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
France (Cont.)—				
Distillates .. ..	Gallon	290,840	75,802	} 97,592
ditto (bunkers) .. ..	do.	11,374	13,646	
Greases and heavy oils	Long ton	8,581	7,273	
ditto (bunkers) .. ..	do.	106	123	} 6,270
Vaseline .. ..	do.	214	150	
Residual oil .. ..	do.	2,334	4,367	2,909
Residual asphalt .. ..	do.	702	1,491	1,513
Paraffin wax .. ..	do.	89	89	44
Ozokerite .. ..	do.	78	43	39
Bitumen and asphalt..	do.	22,838	25,897	32,078
Germany—				
Motor spirit .. ..	Long ton	3,508	6,516	6,431
Kerosene .. ..	do.	—	—	15
Lubricating and gas-oil	do.	45,986	53,713	62,759
Paraffin wax .. ..	do.	90	163	200
Ozokerite, etc. . . .	do.	5,192	5,701	5,703
Asphalt .. ..	do.	5,099	11,197	16,567
Hungary—				
Motor spirit .. ..	Long ton	14	—	—
Lubricating and gas-oil	do.	4,045	2,181	601
Paraffin wax, etc. . .	do.	279	78	16
Asphalt and bitumen..	do.	100	43	21
Italy—				
Crude mineral oils ..	Long ton	360	151	115
Motor spirit .. ..	do.	211	332	1,870
Kerosene .. ..	do.	199	209	636
Lubricating oil .. ..	do.	1,394	2,592	3,667
Other oils .. ..	do.	23,826	25,865	31,654
Paraffin wax, etc. . .	do.	76	62	92
Asphalt and bitumen ..	do.	5,119	109,938	80,139
Jugoslavia—				
Motor spirit .. ..	Long ton	9	5	—
Lubricating oil .. ..	do.	58	14	1
Asphalt .. ..	do.	69	5	6
Netherlands—				
Crude petroleum .. ..	Long ton	30	1	51
Motor spirit .. ..	do.	58	87	61
Kerosene .. ..	do.	76	146	58
Fuel-oil and gas oil ..	do.	20,365	31,603	42,441
do (bunkers) .. ..	do.	56,141	58,808	46,488
Lubricating oil .. ..	do.	590	641	836
Vaseline .. ..	do.	25	56	139
Paraffin wax, etc. . .	do.	2,371	2,191	3,137

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

Exporting Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
Netherland (Cont.)—				
Asphalt .. ..	Long ton	126,326	150,686	136,152
Other distillates .. ..	do.	10,145	1,163	3,943
Natural asphalt .. ..	do.	2,433	2,488	2,393
Poland—				
Crude petroleum .. ..	Long ton	17,853	27	—
Kerosene, etc. .. ..	do.	104,124	49,844	34,951
Motor spirit, etc. .. ..	do.	211,986	116,879	107,469
Fuel oil .. ..	do.	13,081	5,140	2,680
Goudrine .. ..	do.	1,784	83	—
Lubricating oils .. ..	do.	58,596	48,984	41,548
Greases .. ..	do.	103	575	175
Paraffin wax .. ..	do.	29,109	22,666	32,299
Ceresin and ozokerite .. ..	do.	673	732	917
Asphalt-rock .. ..	do.	230	6	59
Mastic asphalt .. ..	do.	11,743	1,168	514
Other asphalt and tar .. ..	do.	506	13,781	7,325
Portugal—				
Fuel oil .. ..	Long ton	111	58	(a)
Other oils .. ..	do.	(a)	323	(a)
Rumania—				
Crude mineral oils .. ..	Long ton	7	12	(a)
Motor spirit .. ..	do.	418,874	534,912	651,876
Kerosene .. ..	do.	518,756	607,603	677,815
Residual oils .. ..	do.	544,176	683,773	913,195
Other oils .. ..	do.	(a)	63,085	61,251
Paraffin wax .. ..	do.	(a)	356	(a)
Asphalt and bitumen .. ..	do.	6,133	1,697	(a)
Russia (years ended Sept. 30)—				
Crude petroleum .. ..	Long ton	109,076	158,726	244,472
Motor spirit .. ..	do.	361,211	584,404	729,314
Kerosene .. ..	do.	301,754	466,481	680,165
Fuel-oil .. ..	do.	351,307	511,677	637,177
Lubricating oil .. ..	do.	117,430	149,055	181,100
Ozokerite .. ..	do.	—	162	32
Asphalt and tar .. ..	do.	66	116	1,141
Spain (including re-exports)—				
Kerosene .. ..	Long ton	5,486	163	409
Motor spirit .. ..	do.	—	2,824	3,894
Lubricating oil .. ..	do.	—	306	123
Asphalt-rock, etc. .. ..	do.	1,547	40	30
Sweden—				
Crude and residual oils .. ..	Long ton	1,126	1,760	375
Motor spirit .. ..	Gallon	382,718	48,008	581,513
Kerosene .. ..	Long ton	2,648	2,363	3,101

(a) Information not available.

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

Exporting Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Sweden (Cont.)—</b>				
Lubricating oil ..	Long ton	823	1,468	698
Other refined oils ..	do.	128	56	31
Paraffin wax, etc. ..	do.	29	20	10
Asphalt.. ..	do.	23	948	1,170
<b>Switzerland—</b>				
Lubricating oil, etc. ..	Long ton	30	41	40
Asphalt and bitumen ..	do.	27,749	36,136	20,984
Other products ..	do.	43	24	25
<b>Angola—</b>				
Lubricating oil, etc. ..	Long ton	50	49	(a)
<b>Belgian Congo (including re-exports)—</b>				
Motor spirit .. ..	Long ton	299	470	604
Kerosene .. ..	do.	138	102	90
Other oils .. ..	do.	84	97	157
<b>Egypt—</b>				
Benzine .. ..	Long ton	13,224	17,438	25,445
ditto (additional) ..	Gallon	771,208	760,648	1,416,968
Kerosene .. ..	Long ton	717	1,905	7,441
ditto (additional) ..	Gallon	1,094,920	1,095,416	1,437,272
Fuel-oil (mazout) ..	Long ton	29,530	32,358	64,134
Solar oil .. ..	do.	29	7	7,903
Lubricating oil, etc. ..	do.	518	361	253
Asphalt and bitumen..	do.	1,499	6,019	41,899
<b>Dutch West Indies—</b>				
Crude petroleum ..	Long ton	327,938	659,270	(a)
Motor spirit .. ..	Gallon	89,686,754	125,666,422	(a)
Kerosene .. ..	do.	1,165,904	1,111,968	(a)
Gas-oil and fuel-oil ..	Long ton	1,972,768	2,682,200	(a)
Diesel-oil .. ..	Gallon	2,367,251	11,148,955	(a)
Lubricating oil ..	do.	11,300,197	23,042,891	(a)
Asphalt .. ..	Long ton	—	1,972	(a)
<b>Mexico—</b>				
<b>Domestic exports—</b>				
<b>Crude petroleum—</b>				
Light .. ..	Gallon	4,706,020	5,554,340	40,720,020
Heavy .. ..	do.	1,306,613,220	926,024,440	623,193,560
Fuel oil and gas-oil ..	do.	1,120,004,380	556,994,240	311,900,160
Motor spirit .. ..	do.	166,616,560	93,249,860	75,406,540

(a) Information not available.

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Mexico (Cont.)—				
Kerosene—	Gallon	31,205,680	32,351,440	47,026,320
Lubricating oils ..	do.	9,052,340	11,479,380	12,602,480
Asphalt .. ..	Long ton	216,804	(a)	
Ships' stores—				
Crude petroleum ..	Gallon	20,657,780	}	(a)
Motor spirit .. ..	do.	2,640		
Fuel oil and gas-oil ..	do.	117,806,700		
Kerosene .. ..	do.	15,840		
Lubricating oil ..	do.	3,520		
Refined from imported oil—				
Fuel oil and gas-oil ..	Gallon	18,165,840	}	(a)
Motor spirit .. ..	do.	2,833,600		
Kerosene .. ..	do.	1,823,580		
Lubricating oil ..	do.	5,500		
United States—				
Crude oils .. ..	Gallon	539,211,567	554,519,175	663,647,670
Motor spirit .. ..	do.	1,488,264,711	1,520,271,480	1,811,478,655
Kerosene .. ..	do.	770,567,483	674,782,605	764,841,910
White mineral oil ..	do.	(a)	(a)	175,069
Gas-oil and fuel-oil ..	do.	1,208,073,632	1,505,647,780	1,454,542,845
ditto (bunkers) ..	do.	1,633,159,010	1,751,770,090	1,789,368,700
Lubricating oils ..	do.	324,302,315	337,255,772	379,733,935
Residual oils .. ..	do.	5,587,365	7,610,610	2,187,710
Greases .. ..	Long ton	42,894	44,859	48,264
Paraffin wax .. ..	do.	149,810	151,918	175,290
Petroleum jelly, etc. ..	do.	2,274	2,355	2,859
Asphalt, bitumen, etc. ..	do.	165,006	379,769	465,608
Cuba (including re-exports)—				
Natural asphalt ..	Long ton	23,785	24,650	(a)
Argentina—				
Fuel-oil .. ..	Long ton	85	25,407	447
Chile—				
Crude petroleum ..	Long ton	6,959	206	294
do. (bunkers) ..	do.	15,041	17,543	19,057
Motor spirit .. ..	do.	212	232	104
Kerosene, etc. ..	do.	141	162	68
Asphalt .. ..	do.	6	5	5
Colombia—				
Petroleum .. ..	Long ton	633,516	1,926,664	2,549,498

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

Exporting Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Peru—</b>				
Crude petroleum .. ..	Long ton	787,244	726,075	(a)
Motor spirit .. ..	do.	194,496	255,511	(a)
Kerosene .. ..	do.	24,698	20,451	(a)
Fuel-oil.. ..	do.	153,704	108,744	(a)
ditto (bunkers) .. ..	do.	18,628	23,404	(a)
Lubricating oil .. ..	do.	1,173	1,614	(a)
<b>Uruguay—</b>				
Motor spirit .. ..	Gallon	2,387	—	(a)
Asphalt rock .. ..	Long ton	71	—	(a)
<b>Venezuela—</b>				
Crude petroleum .. ..	Long ton	4,709,667	8,286,572	(a)
Motor spirit .. ..	do.	163	3,638	(a)
Kerosene .. ..	do.	(a)	26	(a)
Gas-oil .. ..	do.	(a)	3,831	(a)
Asphalt .. ..	do.	48,834	53,873	(a)
<b>Dutch East Indies (including re-exports)—</b>				
Crude petroleum .. ..	Long ton	558	746	(a)
Motor spirit .. ..	Gallon	180,109,310	210,763,404	(a)
Kerosene .. ..	do.	56,850,618	63,152,377	(a)
Fuel-oil, Diesel and solar oil .. ..	do.	314,351,817	340,734,987	(a)
Batching oil .. ..	do.	7,235,110	10,341,184	(a)
Lubricating oil .. ..	Long ton	34,556	37,859	(a)
Paraffin wax .. ..	do.	43,129	39,668	(a)
Asphalt .. ..	do.	35	7	(a)
Turpene .. ..	Gallon	1,201,291	1,343,551	(a)
Greases .. ..	Long ton	440	558	(a)
<b>Formosa—</b>				
Crude petroleum .. ..	Gallon	—	1,469	(a)
Motor spirit .. ..	do.	—	30,913	(a)
Kerosene .. ..	do.	50,292	373,533	(a)
Lubricating oil .. ..	do.	—	7,033	(a)
ditto (additional) .. ..	Long ton	104	—	(a)
<b>French Indo-China—</b>				
Crude petroleum, etc... ..	Long ton	111	85	(a)
Refined petroleum, etc. .. ..	do.	143	84	82
Asphalt and bitumen.. ..	do.	15	—	(a)
<b>Japan—</b>				
Kerosene .. ..	Gallon	179,775	480,584	141,853
Other oils .. ..	Long ton	3,451	3,408	5,793

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

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES(Cont.)				
Persia (including re-exports) (i)—				
Petroleum, crude	Long ton	1,034,148	593,383	1,500,325
ditto, refined ..	do.	111,523	211,872	218,132
Motor spirit .. ..	do.	309,111	319,438	362,683
Fuel and lubricating oils	do.	2,299,053	3,322,961	1,820,269
Turkey—				
Kerosene .. ..	Long ton	824	—	(a)
Other mineral oils ..	do.	47	49	(a)
Paraffin wax .. ..	do.	4	8	(a)

(a) Information not available.

(i) Years ended March 20 of the year stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS  
(Less Re-exports)

Importing Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE</b>				
United Kingdom—				
Crude petroleum ..	Gallon	537,444,340	664,514,943	497,886,623
Motor spirit, etc ..	do.	546,548,209	529,113,487	715,337,240
Kerosene ..	do.	194,473,379	202,603,882	184,923,099
Fuel-oil and gas-oil ..	do.	513,449,125	528,708,851	564,040,803
Lubricating oil ..	do.	89,286,702	89,937,215	103,504,310
Mineral jelly ..	Long ton	2,908	2,589	2,918
Paraffin wax ..	do.	56,513	67,745	67,372
Ozokerite ..	do.	630	826	1,057
Asphalt and bitumen..	do.	218,093	246,766	181,955
Irish Free State—				
Motor spirit ..	Gallon	17,924,304	19,312,854	25,150,662
Kerosene ..	do.	14,064,464	16,068,044	14,416,284
Fuel-oil and gas-oil ..	do.	3,202,459	4,975,138	5,263,507
Lubricating oil ..	do.	2,256,690	2,164,867	2,314,198
Other mineral oils ..	do.	211,964	241,490	230,082
Paraffin wax ..	Long ton	11,684	27,856	4,739
Asphalt and bitumen..	do.	4,915	5,283	19,069
Malta—				
Motor spirit ..	Gallon	3,051	635,019	1,434,753
Petroleum ..	do.	2,717,434	2,782,445	3,862,040
Fuel-oil (n) ..	Long ton	3,135	5,908	11,852
Anglo-Egyptian Sudan—				
Petroleum	Gallon	1,051,088	1,317,104	1,467,744
ditto (additional) ..	Long ton	—	8	5
Motor spirit	Gallon	785,896	1,185,344	1,492,824
ditto (additional) ..	Long ton	28	90	29
Fuel-oil ..	do.	5,398	12,753	9,412
Lubricating oil, etc ..	do.	1,308	1,958	1,497
Asphalt ..	£	698	7,200	2,664
Gambia—				
Motor spirit ..	Gallon	46,776	97,696	144,192
Kerosene ..	do.	66,536	84,804	119,104
Fuel-oil ..	do.	34,253	28,197	40,502
Lubricating oil ..	do.	15,594	14,086	24,531

(a) Information not available.

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



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

Importing Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>				
Gold Coast—				
Motor spirit .. ..	Gallon	3,614,990	4,813,006	5,752,662
Kerosene .. ..	do.	2,183,162	2,549,762	3,006,972
Fuel-oil .. ..	do.	204,876	219,267	407,594
Lubricating oil .. ..	do.	293,073	345,092	437,065
Asphalt, tar .. ..	do.	430,046	342,051	554,038
Pitch, etc. .. ..	Long ton	23	36	349
Kenya and Uganda—				
Motor spirit .. ..	Gallon	3,533,331	3,599,074	4,338,753
Kerosene .. ..	do.	2,219,776	3,421,657	3,404,198
Fuel-oil .. ..	do.	2,616,994	5,455,136	7,482,732
Lubricating oil .. ..	do.	449,630	632,282	658,692
Greases .. ..	Long ton	119	121	164
Mauritius—				
Motor spirit .. ..	Gallon	958,924	865,880	786,683
Kerosene .. ..	do.	747,121	551,883	727,969
Lubricating oils, etc. .. ..	do.	218,150	132,749	373,996
Fuel-oil.. ..	do.	33,768	46,628	19,468
Refined motor grease .. ..	Long ton	45	36	44
Natural asphalt, etc... ..	do.	239	112	33
Nigeria—				
Motor spirit .. ..	Gallon	2,178,437	3,258,771	4,136,777
Kerosene .. ..	do.	3,872,043	4,142,381	5,383,812
Fuel-oil.. ..	do.	239,658	347,468	399,273
Lubricating oil .. ..	do.	333,367	324,120	459,524
Asphalt, tar .. ..	do.	97,109	93,920	144,755
Pitch, etc. .. ..	Long ton	82	495	427
Nyasaland—				
Motor spirit .. ..	Gallon	274,517	439,506	401,896
Kerosene .. ..	do.	67,972	84,654	86,857
Lubricating oil .. ..	do.	26,597	26,345	29,202
Northern Rhodesia—				
Motor spirit .. ..	Gallon	168,709	293,008	361,909
Kerosene .. ..	do.	57,827	79,349	87,077
Lubricating oil .. ..	do.	70,281	80,522	83,042
Seychelles—				
Motor spirit .. ..	Gallon	3,675	5,532	9,393
Kerosene .. ..	do.	23,882	23,122	25,465
Southern Rhodesia—				
Motor spirit .. ..	Gallon	1,352,805	2,014,352	2,465,686
Kerosene .. ..	do.	342,695	490,027	611,927
Lubricating oil .. ..	do.	321,076	351,324	360,125
Other oils .. ..	do.	7,068	4,458	37,835
Asphalt and bitumen.. ..	Long ton	122	86	493

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

Importing Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>				
Sierra Leone—				
Motor spirit .. ..	Gallon	136,148	228,280	278,469
Kerosene .. ..	do.	409,568	579,670	533,650
Fuel-oil.. ..	do.	9,195	6,326,513	(i) 718,310
Lubricating oil .. ..	do.	39,744	40,159	43,584
Asphalt tar .. ..	do.	14,876	17,523	32,612
Pitch .. ..	Long ton	11	13	9
Tanganyika Territory—				
Motor spirit .. ..	Gallon	519,966	993,351	1,323,205
Kerosene .. ..	do.	844,060	1,048,358	1,372,043
Fuel-oil .. ..	do.	112,076	187,832	397,524
Lubricating oil .. ..	do.	114,695	106,528	221,339
Union of South Africa—				
Motor spirit .. ..	Gallon	33,730,262	37,473,473	48,257,134
Kerosene .. ..	do.	11,027,017	11,212,197	14,092,903
Fuel-oil .. ..	do.	4,557,345	6,666,421	11,481,430
Lubricating oil .. ..	do.	4,214,153	4,483,358	4,875,925
Other oils .. ..	do.	217,038	451,102	424,499
Paraffin wax .. ..	Long ton	8,940	10,322	9,914
Asphalt and bitumen.. ..	do.	11,549	15,834	17,196
Petroleum jelly .. ..	do.	131	227	194
Zanzibar—				
Motor spirit .. ..	Gallon	227,049	166,807	212,559
Kerosene .. ..	do.	770,038	748,493	469,352
Fuel-oil .. ..	do.	33,632	29,231	113,250
Lubricating oil, etc. .. ..	do.	32,615	20,408	69,423
Canada—				
Crude petroleum .. ..	Gallon	667,627,576	766,262,842	920,119,528
Motor spirit .. ..	do.	82,839,688	108,168,328	140,851,295
Coal-oil, kerosene, etc.	do.	4,842,452	4,037,355	3,968,647
Lubricating oils .. ..	do.	10,259,878	12,537,957	15,487,945
Other petroleum oils .. ..	do.	215,337	190,983	211,832
Vaseline, etc. .. ..	£	42,294	40,844	45,459
Grease .. ..	Long ton	1,946	2,197	2,342
Paraffin wax, etc. .. ..	do.	1,040	1,905	1,180
Fuel-oil, (bunkers) .. ..	Gallon	(a)	37,870,909	32,539,383
Asphaltum oil, etc. .. ..	£	8,133	22,542	29,239
Asphalt .. ..	Long ton	17,556	42,622	42,849
Other products .. ..	Gallon	2,247,183	1,745,896	1,860,009

(a) Information not available.

(i) Excess of re-exports.

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

Importing Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>				
Newfoundland (years ended June 30)—				
Crude petroleum ..	Gallon	72,863	46,167	132,018
Motor spirit .. ..	do.	1,249,023	1,592,054	2,396,391
Kerosene .. ..	do.	1,102,872	1,736,839	1,773,328
Lubricating oil ..	do.	179,061	179,103	250,646
British Guiana—				
Crude petroleum ..	Gallon	22,928	4,036	8,932
Motor spirit .. ..	do.	712,570	667,334	717,742
Kerosene .. ..	do.	594,173	586,416	519,240
Fuel-oil .. ..	do.	308,120	355,641	398,737
Tar and pitch .. ..	Long ton	195	212	261
West Indies—				
Bahamas—				
Crude petroleum ..	Gallon	740,000	826,000	1,043,000
Motor spirit .. ..	do.	492,000	620,000	887,000
Kerosene .. ..	do.	244,000	367,000	182,000
Barbados—				
Motor spirit .. ..	Gallon	554,760	637,310	(a)
Kerosene .. ..	do.	442,643	398,171	(a)
Lubricating oil ..	£	6,702	7,179	(a)
Residual oil .. ..	Long ton	3,215	7,401	(a)
Bermuda—				
Motor spirit .. ..	Gallon	18,922	71,136	49,958
Kerosene .. ..	do.	490,904	537,811	475,441
Fuel-oil .. ..	Long ton	1,578	10,781	7,426
Grenada—				
Motor spirit .. ..	Gallon	85,243	107,299	118,563
Kerosene .. ..	do.	88,648	102,748	111,698
Fuel-oil .. ..	do.	30,298	30,896	12,216
Lubricating oil ..	do.	6,035	7,816	9,798
Jamaica—				
Motor spirit .. ..	Gallon	2,789,616	3,163,186	3,697,971
Kerosene .. ..	do.	1,341,686	1,406,084	1,325,783
Gas-oil and fuel-oil..	do.	472,085	493,979	} 597,231
Lubricating oil ..	do.	7,502	308	
Asphalt, etc. .. ..	Long ton	433	1,082	(a)
Leeward Islands (j)—				
Motor spirit .. ..	Gallon	122,564	178,978	176,871
Kerosene .. ..	do.	147,759	214,843	179,624
Fuel-oil .. ..	do.	87,335	210,327	86,908
Lubricating oil ..	do.	21,741	21,374	17,634

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

Importing Country and Description	Unit	1926	1927	1928
<b>BRITISH EMPIRE (Cont.)</b>				
<b>West Indies (Cont.)—</b>				
<b>St. Lucia—</b>				
Motor spirit.. ..	Gallon	25,406	30,731	36,781
Kerosene .. ..	do.	69,963	70,947	61,974
Lubricating oil ..	do.	3,873	4,290	4,979
<b>St. Vincent—</b>				
Motor spirit.. ..	Gallon	43,949	54,876	53,074
Kerosene .. ..	do.	48,987	47,652	52,820
Fuel-oil .. ..	do.	20,945	28,178	23,455
Lubricating oil ..	do.	5,252	5,495	3,887
Asphalt tar .. ..	do.	4,231	984	872
Pitch.. ..	Long ton	2	—	1
<b>Trinidad and Tobago—</b>				
Motor spirit.. ..	Gallon	(i) 1,932	(i) 322	(i) 2,204
Refined petroleum, etc. .. ..	do.	117,459	192,197	154,606
Lubricating oil ..	do.	180,092	198,372	186,708
Fuel-oil .. ..	do.	15	42	245,627
<b>British Honduras—</b>				
Motor spirit .. ..	Gallon	535,271	521,086	768,984
Kerosene .. ..	do.	338,597	306,167	360,785
Fuel-oil.. ..	do.	39,977	50,901	87,322
Lubricating oil ..	do.	70,104	46,899	61,620
Asphalt .. ..	£	200	221	384
<b>Aden (total imports)—</b>				
Motor spirit .. ..	Gallon	371,104	391,408	264,902
Kerosene .. ..	do.	503,696	1,033,388	685,404
Fuel-oil .. ..	Long ton	246,215	322,252	329,624
Lubricating oil ..	Gallon	56,868	58,643	60,825
Other oils .. ..	do.	1,565	1,894	3,483
<b>British Borneo—</b>				
<b>Brunei—</b>				
Kerosene .. ..	Gallon	71,579	72,532	90,935
<b>Sarawak—</b>				
Motor spirit.. ..	Gallon	95,303	202,094	207,324
Kerosene .. ..	do.	787,156	881,616	807,992
Fuel-oil .. ..	do.	780	19,114	43,329
Lubricating oil ..	Long ton	435	560	602

(a) Information not available.

(i) Excess of re-exports.

(j) Total imports, including inter-presidency trade.

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

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE (Cont.)				
British Malaya (total imports)—				
Motor spirit .. ..	Long ton	273,270	269,319	290,886
Kerosene .. ..	do.	91,316	134,985	147,074
Fuel-oil .. ..	do.	346,611	475,020	524,858
Lubricating oil ..	Gallon	6,242,812	5,925,690	5,683,158
Other oils .. ..	Long ton	20	9	10
Greases .. ..	do.	467	934	1,140
Paraffin wax .. ..	do.	1,698	1,318	1,132
Asphalt and bitumen..	do.	12,607	16,016	20,058
Ceylon—				
Crude petroleum (including bunkers) ..	Gallon	48,336,969	54,154,070	52,930,008
Motor spirit .. ..	do.	6,308,256	6,946,194	8,349,092
Kerosene .. ..	do.	6,868,837	8,510,055	8,479,466
Lubricating oil ..	do.	951,026	906,061	985,273
Cyprus—				
Crude petroleum ..	Gallon	380,752	603,891	706,344
Motor spirit, etc. ..	do.	388,676	496,344	845,276
Kerosene, etc. ..	do.	664,588	673,896	844,830
Lubricating oil ..	Long ton	453	319	451
Paraffin wax .. ..	do.	55	61	39
India (total imports by sea)—				
Motor spirit .. ..	Gallon	2,688	111,946	115,058
Kerosene .. ..	do.	69,311,236	88,158,627	104,439,966
Fuel-oil .. ..	do.	94,592,978	100,285,536	100,918,457
Lubricating oil ..	do.	22,207,525	27,422,020	26,281,673
Other oils .. ..	do.	5,416,273	4,530,334	5,480,398
Paraffin wax .. ..	Long ton	873	598	1,161
Asphalt .. ..	do.	20,224	25,094	21,113
Palestine (total imports)—				
Crude petroleum, etc. ..	Long ton	3,799	5,285	5,992
Motor spirit .. ..	Gallon	1,856,311	1,622,298	2,491,796
Kerosene .. ..	do.	6,107,505	6,780,581	(a)
Lubricating oil .. ..	Long ton	1,104	1,409	1,279
Paraffin wax .. ..	do.	49	61	(a)
Asphalt .. ..	do.	779	779	(a)

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

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE (Cont.)				
Australia—				
Crude petroleum ..	Gallon	69,237,287	68,910,804	95,612,561
Motor spirit .. ..	do.	123,695,881	168,093,307	192,387,462
Kerosene .. ..	do.	28,347,701	33,034,367	39,726,600
Lubricating oil ..	do.	12,188,106	13,704,673	13,106,493
Residual and solar oils	do.	—	3,619,474	1,062,157
Petroleum jelly ..	Long ton	453	539	464
Greases .. ..	do.	1,758	1,995	1,994
Paraffin wax, etc. ..	do.	2,386	2,847	2,606
Mastic asphalt ..	do.	2,175	332	790
Fiji Islands—				
Motor spirit .. ..	Gallon	578,294	762,417	928,311
Kerosene .. ..	do.	278,069	411,244	395,350
Lubricating oil ..	do.	84,689	47,000	81,869
Bitumen, tar, etc. ..	do.	—	40,398	13,286
New Zealand—				
Crude petroleum (total imports) .. ..	Gallon	95,055	106,746	1,646,022
Motor spirit, etc. ..	do.	44,813,540	48,034,382	54,462,252
Kerosene .. ..	do.	5,336,623	4,782,144	5,193,625
Lubricating oil ..	do.	2,482,316	2,971,885	2,906,127
Fuel-oil, etc. (total imports) .. ..	do.	37,332,895	32,845,971	36,117,808
Greases, etc. .. ..	Long ton	547	583	528
Other refined oils ..	Gallon	186,306	272,435	263,801
Paraffin wax .. ..	Long ton	1,362	1,089	1,616
Asphalt .. ..	do.	18,406	11,547	29,440
Solomon Islands—				
Motor spirit .. ..	Gallon	86,399	71,462	99,489
Kerosene .. ..	do.	64,252	80,323	77,638
Lubricating oil ..	do.	7,801	9,315	10,206
Western Samoa—				
Motor spirit .. ..	£	13,266	9,349	7,387
Kerosene .. ..	£	5,654	4,257	2,890
Lubricating oil ..	£	2,145	961	2,215

(a) Information not available.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES				
Austria—				
Crude petroleum ..	Long ton	12,683	33,405	46,319
Motor spirit .. ..	do.	61,412	62,872	85,934
Kerosene .. ..	do.	28,000	25,831	28,514
Gas-oil .. ..	do.	17,792	22,348	27,026
Lubricating oil, etc. ..	do.	14,712	13,054	9,225
Vaseline .. ..	do.	127	110	149
Paraffin wax and ozokerite .. ..	do.	3,152	3,093	3,647
Asphalt products ..	do.	5,814	7,459	13,587
Belgium-Luxemburg E.U.				
Crude petroleum ..	Long ton	1,140	1,339	2,607
Refined petroleum ..	do.	108,504	135,935	162,708
Kerosene .. ..	do.	104,318	90,015	74,846
Lubricating oil ..	do.	106,979	66,826	71,330
Fuel-oil, etc. .. ..	do.	51,974	54,961	82,751
Vaseline .. ..	do.	454	541	695
Paraffin wax, etc. ..	do.	6,611	6,094	7,069
Asphalt .. ..	do.	10,900	14,054	13,268
Bulgaria—				
Crude petroleum ..	Long ton	5,923	7,449	(a)
Motor spirit .. ..	do.	5,337	6,199	(a)
Refined petroleum ..	do.	21,227	24,305	(a)
Gas-oil .. ..	do.	12,881	15,174	(a)
Lubricating oil ..	do.	8,205	4,320	6,419
Paraffin wax, ceresin, etc. .. ..	do.	463	401	(a)
Czechoslovakia—				
Crude oils .. ..	Long ton	91,763	93,250	129,744
Refined light oils ..	do.	113,014	139,473	160,963
Residual oil, etc. ..	do.	8,087	4,498	8
Refined heavy oils ..	do.	28,935	31,079	32,482
Paraffin wax, etc. ..	do.	1,408	1,336	982
Vaseline .. ..	do.	207	196	—
Asphalt and bitumen..	do.	4,500	9,672	8,678
Denmark—				
Motor spirit .. ..	Long ton	123,703	137,516	150,230
Kerosene .. ..	do.	96,378	80,656	81,574
Fuel-oil .. ..	do.	117,620	129,632	144,001
Crude residual oil ..	do.	4,165	7,069	4,396

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES(Cont.)</b>				
<b>Denmark (Cont.)—</b>				
Lubricating oil ..	Long ton	15,405	18,607	21,294
Other distillates ..	do.	1,498	2,342	29,253
Paraffin wax, etc. ..	do.	559	657	690
Asphalt rock ..	do.	4,919	10,682	7,440
<b>Estonia—</b>				
Crude petroleum ..	Long ton	2,816	3,249	2,563
Motor spirit ..	do.	2,867	4,358	4,952
Kerosene ..	do.	13,394	13,903	14,316
Lubricating oils, etc. ..	do.	2,087	2,314	2,391
Vaseline, etc. ..	do.	9	6	15
Paraffin wax, etc. ..	do.	234	222	234
Asphalt and tar ..	do.	239	234	131
<b>Finland—</b>				
Crude petroleum, etc. ..	Long ton	41,389	47,536	55,346
Motor spirit ..	do.	27,400	47,706	54,245
Lubricating oil ..	do.	9,993	10,441	12,657
Vaseline, etc. ..	do.	300	277	334
Paraffin wax, etc. ..	do.	873	707	820
Asphalt and tar ..	do.	3,927	5,062	8,978
<b>France—</b>				
Crude petroleum, etc. ..	Long ton	75	282	4
ditto ( <i>additional</i> ) ..	Gallon	3,506,932	965,975	3,595,658
Refined petroleum, etc	Long ton	6,649	1,674	785
ditto ( <i>additional</i> ) ..	Gallon	68,866,094	65,439,538	61,700,650
Light distillates ..	Long ton	44,407	48,265	11,675
ditto ( <i>additional</i> ) ..	Gallon	306,888,076	343,976,660	428,463,640
Vaseline oil, etc. ..	do.	(a)	(a)	776
Greases, etc. ..	Long ton	294,552	221,930	264,466
Residual oil ..	do.	395,664	525,690	635,874
Residual asphalt ..	do.	12,505	21,286	11,833
Paraffin wax, etc. ..	do.	11,632	6,884	10,281
Ozokerite ..	do.	343	315	528
Bitumen and asphalt..	do.	35,063	37,638	17,602
<b>Germany—</b>				
Crude petroleum ..	Long ton	49,518	39,508	51,840
Motor spirit ..	do.	550,125	702,647	815,099
Kerosene ..	do.	158,331	163,015	128,576
Gas-oil ..	do.	178,664	260,162	305,056
Lubricating oil ..	do.	319,514	380,564	519,820
Paraffin wax ..	do.	10,312	15,122	17,691
Ozokerite ..	do.	650	1,225	1,970
Asphalt ..	do.	110,871	137,113	57,616

(a) Information not available.



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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES (Cont.)				
Greece—				
Kerosene .. ..	Long ton	21,439	24,230	24,037
Fuel-oils .. ..	do.	36,818	50,404	58,577
Other oils .. ..	do.	5,145	6,856	7,106
Motor spirit .. ..	do.	23,088	28,069	34,916
Paraffin wax, etc. ..	do.	28	8	3
Vaseline .. ..	do.	28	69	59
Asphalt and bitumen ..	do.	12,812	7,134	6,234
Hungary—				
Crude petroleum .. ..	Long ton	60,626	96,035	119,240
Motor spirit .. ..	do.	22,848	25,943	27,687
Kerosene .. ..	do.	27,209	21,223	22,155
Gas-oil .. ..	do.	9,713	9,231	9,217
Lubricating oil .. ..	do.	8,681	10,753	10,333
Paraffin wax, etc. ..	do.	1,071	1,370	1,178
Vaseline .. ..	do.	82	194	209
Asphalt, bitumen and tar .. ..	do.	7,071	9,429	8,027
Italy—				
Crude oils .. ..	Long ton	30,738	46,072	49,686
Motor spirit .. ..	do.	213,362	251,668	317,560
Kerosene .. ..	do.	133,234	144,493	141,834
Lubricating oil .. ..	do.	75,995	79,695	80,512
Other oils .. ..	do.	368,958	409,639	416,003
Vaseline .. ..	do.	201	200	397
Paraffin wax .. ..	do.	23,529	24,295	29,107
Ceresin .. ..	do.	79	75	100
Asphalt .. ..	do.	7,357	14,948	23,238
Jugoslavia—				
Motor spirit .. ..	Long ton	44,089	61,413	88,899
Kerosene .. ..	do.	35,544	27,113	24,161
Gas-oil, etc. .. ..	do.	14,618	9,338	3,646
Lubricating oil, etc. ..	do.	10,599	8,928	6,597
Paraffin wax .. ..	do.	2,484	2,315	1,965
Ceresin, etc .. ..	do.	128	95	111
Asphalt and pitch .. ..	do.	8,328	6,819	7,261
Latvia—				
Petroleum .. ..	Long ton	13,082	13,552	18,384
Motor spirit .. ..	do.	17,481	13,614	18,172

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )				
Latvia ( <i>Cont.</i> )—				
Lubricating oils, etc. . .	Long ton	365	455	767
Paraffin wax . . . .	do.	268	274	290
Ozokerite and ceresin . . . .	do.	12	17	(a)
Asphalt . . . .	do.	331	684	894
Other products . . . .	do.	1,528	2,089	3,075
Lithuania—				
Motor spirit . . . .	Long ton	4,713	9,478	11,933
Kerosene . . . .	do.	17,099	16,488	16,326
Lubricating oil . . . .	do.	2,898	2,400	2,581
Paraffin wax, etc. . . .	do.	419	430	271
Netherlands—				
Crude petroleum . . . .	Long ton	187,201	245,439	202,586
Motor spirit . . . .	do.	127,030	156,189	195,157
Kerosene . . . .	do.	194,184	192,837	184,613
Fuel-oil and gas-oil . . . .	do.	195,976	254,818	243,899
Lubricating oil . . . .	do.	45,263	48,854	51,501
Vaseline . . . .	do.	399	361	628
Paraffin wax . . . .	do.	5,206	5,640	8,210
Ozokerite and ceresin . . . .	do.	185	267	189
Asphalt . . . .	do.	9,227	18,064	15,672
Other distillates . . . .	do.	5,378	3,446	2,671
Norway—				
Crude petroleum . . . .	Long ton	8,381	8,595	27,340
Motor spirit . . . .	do.	41,010	48,888	60,376
Kerosene . . . .	do.	44,186	49,044	45,875
Fuel-oil . . . .	do.	84,729	91,820	84,730
Other oils, etc. . . .	do.	9,121	9,412	9,530
Asphalt, bitumen, etc. . . .	do.	4,638	7,517	5,120
Poland—				
Crude petroleum . . . .	Long ton	—	6	43
Motor spirit, etc. . . .	do.	68	332	320
Kerosene . . . .	do.	6	—	—
Fuel oil . . . .	do.	660	351	371
Lubricating oils . . . .	do.	1,575	2,859	3,349
Greases . . . .	do.	213	498	958
Vaseline . . . .	do.	146	173	248
Goudrine . . . .	do.	9	—	—

(a) Information not available.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES(Cont.)				
Poland (Cont.)—				
Paraffin wax, etc. ..	Long ton	109	361	215
Asphalt rock .. ..	do.	2,129	974	3,831
Mastic asphalt, tar, etc.	do.	493	2,482	4,819
Portugal—				
Motor spirit .. ..	Long ton	20,333	26,978	(a)
Kerosene .. ..	do.	28,850	30,142	(a)
Fuel-oil .. ..	do.	11,160	12,022	(a)
Other oils .. ..	do.	12,548	17,923	(a)
Vaseline .. ..	do.	70	69	(a)
Paraffin wax .. ..	do.	1,184	1,158	(a)
Rumania—				
Motor spirit .. ..	Long ton	—	272	(a)
Petroleum residues ..	do.	188	28	(a)
Other oils .. ..	do.	1,811	3,145	(a)
Vaseline .. ..	do.	43	94	(a)
Paraffin wax .. ..	do.	1,825	1,308	(a)
Ceresin and ozokerite..	do.	186	65	(a)
Asphalt and bitumen..	do.	55	35	(a)
Russia (years ended Sept. 30)—				
Petroleum .. ..	Long ton	3,567	3,290	521
Vaseline .. ..	do.	442	412	525
Ozokerite .. ..	do.	55	124	223
Asphalt .. ..	do.	258	318	610
Spain (total imports)—				
Crude petroleum—	Long ton	18,105	11,006	32,155
Motor spirit .. ..	do.	156,219	202,120	223,234
Kerosene .. ..	do.	15,263	17,890	22,439
Fuel-oil .. ..	do.	38,830	63,658	97,650
Lubricating oils ..	do.	26,516	31,679	28,589
Residual oils and pitch	do.	4,234	13,725	39,159
Vaseline, etc. .. ..	do.	1,314	1,615	818
Paraffin wax .. ..	do.	7,686	9,229	9,187
Asphalt and bitumen..	do.	1,549	1,604	447
Sweden—				
Crude and residual oils	Long ton	70,881	87,933	95,357
Motor spirit .. ..	Gallon	46,373,929	51,067,917	68,674,994

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES(Cont.)				
Sweden (Cont.)—				
Kerosene .. ..	Long ton	64,646	63,696	75,037
Lubricating oil .. ..	do.	34,517	31,121	37,203
Vaseline .. ..	do.	188	187	198
Other refined oils .. ..	do.	3,799	3,521	2,982
Paraffin wax .. ..	do.	3,193	3,357	4,093
Ozokerite .. ..	do.	146	115	153
Asphalt .. ..	do.	12,166	7,822	9,377
Switzerland—				
Motor spirit .. ..	Long ton	74,973	93,638	116,446
Kerosene, etc. .. ..	do.	22,791	24,014	24,101
Petroleum distillates, etc. .. ..	do.	1,085	1,177	1,419
Fuel-oil .. ..	do.	41,354	47,323	55,609
Lubricating oil .. ..	do.	15,858	17,691	19,230
Vaseline .. ..	do.	232	250	289
Paraffin wax, etc. .. ..	do.	1,490	1,451	1,410
Asphalt and bitumen..	do.	1,635	1,843	1,524
Algeria--				
Light distillates .. ..	Gallon	19,438,078	23,285,724	(a)
Greases, etc. .. ..	Long ton	18,391	23,603	(a)
Angola—				
Petroleum .. ..	Long ton	558	978	(a)
Motor spirit .. ..	do.	2,214	3,983	(a)
Light oils .. ..	do.	8	244	(a)
Heavy oils .. ..	do.	217	539	(a)
Lubricating oil .. ..	do.	390	40	(a)
Belgian Congo—				
Motor spirit .. ..	Long ton	11,401	7,946	10,859
Kerosene .. ..	do.	2,230	1,843	4,104
Fuel-oil, etc. .. ..	do.	15,188	21,547	17,292
Other oils and greases	do.		3,502	3,431

(a) Information not available.

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
Cameroon(French)— Petroleum and motor- spirit .. ..	Long ton	2,160	(a)	(a)
Dahomey— Petroleum products ..	Long ton	3,372	3,357	4,895
Egypt—				
Motor spirit .. ..	Long ton	40,436	49,149	62,845
ditto ( <i>additional</i> ) ..	Gallon	138,096	105,128	40,240
Kerosene .. ..	Long ton	261,835	255,860	285,448
ditto ( <i>additional</i> ) ..	Gallon	117,688	69,168	19,160
Fuel-oil ( <i>mazout</i> ) ..	Long ton	115,264	126,733	134,156
Solar oil .. ..	do.	8,197	5,578	3,576
Lubricating oil, etc. ..	do.	22,055	19,001	19,846
Vaseline .. ..	do.	65	57	75
Paraffin wax .. ..	do.	203	232	183
Asphalt and bitumen..	do.	6,698	10,589	8,332
French Guinea— Motor spirit, kerosene, etc.	Long ton	1,119	723	1,315
French Sudan— Kerosene, etc. .. ..	Long ton	639	891	1,665
Ivory Coast— Kerosene, etc. .. ..	Long ton	3,394	4,404	6,222
Mozambique—				
Motor spirit .. ..	Long ton	1,262	1,616	(a)
Kerosene .. ..	do.	1,228	1,318	(a)
Fuel-oil .. ..	do.	36	117	(a)
Lubricating oil .. ..	do.	508	571	(a)
Asphalt and bitumen	do.	35	92	(a)
Portuguese Guinea—				
Motor spirit .. ..	Long ton	566	337	410
Kerosene .. ..	do.	229	117	232
Fuel-oil .. ..	do.	20	30	(a)
Lubricating oil .. ..	do.	75	76	(a)
Senegal— Petroleum products ..	Long ton	22,367	18,284	36,793.

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>				
<b>Morocco—</b>				
<b>French Zone—</b>				
Crude oil .. ..	Long ton	13,175	15,859	19,867
Motor spirit .. ..	do.	34,065	29,520	40,830
Lubricating oil .. ..	do.	7,033	5,428	5,317
Paraffin wax .. ..	do.	423	411	727
<b>Tangier—</b>				
Motor spirit .. ..	Long ton	902	1,164	1,436
Kerosene .. ..	do.	302	383	411
Fuel oil .. ..	do.	407	488	575
Lubricating oil .. ..	do.	247	280	247
<b>Togoland—</b>				
Crude petroleum .. ..	Long ton	140	210	224
Kerosene, etc. .. ..	do.	1,913	2,312	3,030
<b>Tripoli—</b>				
Mineral oils .. ..	Long ton	3,077	(a)	(a)
Motor spirit .. ..	do.	1,732	(a)	(a)
<b>Tunis—</b>				
Refined petroleum, etc. .. ..	Gallon	4,329,644	4,437,598	5,814,184
Light distillates .. ..	do.	3,220,360	3,971,220	6,370,112
Fuel-oil .. ..	Long ton	8,774	12,569	12,535
Vaseline .. ..	do.	19	15	12
Heavy oils, etc. .. ..	do.	4,347	3,963	5,060
Paraffin wax .. ..	do.	54	37	82
Bitumen .. ..	do.	467	513	710
<b>Madagascar (b)—</b>				
Motor spirit .. ..	Long ton	4,797	4,154	4,833
Heavy oils, etc. .. ..	do.			
<b>Réunion—</b>				
Light oils .. ..	Long ton	718	(a)	(a)
Kerosene, etc. .. ..	do.	599	(a)	(a)
Heavy oils .. ..	do.	255	(a)	(a)
<b>Costa Rica (b)—</b>				
Crude petroleum .. ..	Long ton	29,026	26,070	}
Motor spirit .. ..	do.	3,023	3,169	
Paraffin wax .. ..	do.	1,144	1,243	
Vaseline .. ..	do.	8	10	
Asphalt and bitumen .. ..	do.	61	124	

(a) Information not available.

(b) Total imports.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES(Cont.)				
Cuba (b)—				
Crude oils .. ..	Gallon	11,086,804	54,547 tons	(a)
Motor spirit .. ..	do.	24,305,208	113,351 "	(a)
Fuel-oil .. ..	do.	214,170,053	868,524 "	(a)
Other refined oils .. ..	do.	3,848,657	16,433 "	(a)
Tar .. ..	Long ton	863	821	(a)
Asphalt rock .. ..	do.	1,850	1,466	(a)
Dominican Republic (b)—				
Motor spirit .. ..	Gallon	2,628,371	3,131,559	(a)
Kerosene .. ..	do.	1,116,844	835,309	(a)
Fuel-oil .. ..	Long ton	37,796	26,602	(a)
Lubricating oil .. ..	do.	1,933	4,033	(a)
Other oils .. ..	do.	502	1,207	(a)
Dutch West Indies—				
Crude petroleum .. ..	Long ton	3,918,689	6,287,915	(a)
Motor spirit .. ..	Gallon	81,840	79,640	(a)
Kerosene .. ..	do.	108,020	77,712	(a)
Fuel-oil and gas-oil .. ..	Long ton	27,851	443	(a)
Lubricating oil .. ..	Gallon	56,578	44,470	(a)
Guadeloupe—				
Refined petroleum .. ..	Long ton	1,709	1,344	(a)
Heavy oils .. ..	do.	298	463	(a)
Guatemala—				
Crude petroleum .. ..	Long ton	33,993	48,753	(a)
Motor spirit .. ..	do.	3,966	4,025	(a)
Kerosene .. ..	do.	3,727	2,303	(a)
Lubricating oil, etc. .. ..	do.	512	555	(a)
Paraffin wax .. ..	do.	43,403	56,954	(a)
Martinique—				
Motor spirit .. ..	Gallon	278,613	286,769	(a)
Kerosene .. ..	do.	240,673	186,620	(a)
Lubricating oil .. ..	Long ton	190	199	(a)
Other heavy oils .. ..	do.	614	288	(a)
Mexico—				
Crude petroleum .. ..	Long ton	8,952	702,336	(a)
Motor spirit .. ..	do.	26,298	43,123	(a)
Kerosene .. ..	do.	5,491	7,989	(a)
Fuel-oil and gas oil .. ..	do.	122,155	136,434	(a)
Paraffin wax .. ..	do.	4,862	9,098	(a)
Lubricating oil, etc. .. ..	do.	13,532	12,552	(a)
Vaseline .. ..	do.	155	161	(a)
Nicaragua—				
Crude petroleum .. ..	Long ton	14,815	12,567	12,469
Refined petroleum .. ..	Gallon	621,653	687,005	736,375
Motor spirit .. ..	do.	707,846	610,043	885,372
Lubricating oil .. ..	Long ton	362	405	4,988
Other mineral oils .. ..	do.	736	647	965

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES(Cont.)</b>				
<b>Panama—</b>				
Motor spirit .. ..	Long ton	3,095	962	674
Kerosene .. ..	do.	2,620	2,322	2,627
Fuel-oil .. ..	do.	8,465	9,315	8,896
Lubricating oil .. ..	do.	955	997	911
Mineral grease .. ..	do.	30	50	28
Asphalt .. ..	do.	73	89	112
<b>Salvador—</b>				
Crude petroleum .. ..	Long ton	10,132	9,215	(a)
Motor spirit .. ..	do.	4,567	4,372	(a)
Kerosene .. ..	do.	1,689	1,678	(a)
Other oils .. ..	do.	473	10,057	(a)
Paraffin wax .. ..	do.	—	694	(a)
Crude asphalt .. ..	do.	1,518	1,023	(a)
<b>United States—</b>				
Crude petroleum .. ..	Gallon	2,113,334,146	2,043,383,685	2,791,798,695
Motor spirit, etc. .. ..	do.	193,885,564	175,080,710	150,422,090
Kerosene (b) .. ..	do.	2,593,379	1,940,120	7,061,145
Topped oils, including fuel-oil (b) .. ..	do.	505,126,031	284,346,720	254,385,145
Tops and other un- finished distillates (b)	do.	28,804,995	3,195,605	698,670
Lubricating oil (b) .. ..	do.	1,155,617	278,320	440,230
Paraffin wax, etc. .. ..	Long ton	4,457	9,135	11,045
Mineral wax .. ..	do.	3,577	2,012	4,337
Asphalt and bitumen .. ..	do.	127,350	141,158	109,015
<b>Argentina—</b>				
Crude petroleum .. ..	Long ton	145,784	190,537	312,453
Motor spirit .. ..	Gallon	92,121,554	81,064,101	87,733,687
do (additional) .. ..	Long ton	13	29	18
Kerosene .. ..	do.	264	570	630
do. (additional) .. ..	Gallon	18,142,676	19,646,160	13,413,400
Fuel-oil and gas-oil .. ..	Long ton	360,133	644,241	794,000
Lubricating oil .. ..	do.	33,317	40,779	44,185
Vaseline .. ..	do.	313	333	376
Grease .. ..	do.	1,727	1,744	1,882
Paraffin wax .. ..	do.	5,925	8,600	8,363
Asphalt rock .. ..	do.	7,284	4,518	11,329
Trinidad asphalt .. ..	do.	17,562	18,290	26,013
Asphalt for roofing .. ..	do.	1,021	1,317	1,884

(a) Information not available.

(b) Total imports.



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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES(Cont.)				
Bolivia—				
Crude petroleum ..	Long ton	17,538	19,847	(a)
Motor spirit .. ..	do.	3,653	4,365	(a)
Kerosene .. ..	do.	1,412	1,834	(a)
Paraffin wax .. ..	do.	1,856	2,306	(a)
Other products ..	do.	(a)	1,702	(a)
Brazil (total imports)—				
Motor spirit .. ..	Long ton	150,129	198,076	250,325
Kerosene .. ..	do.	89,558	110,075	102,059
Fuel-oil .. ..	do.	214,101	352,766	331,387
Lubricating oil ..	do.	38,028	33,573	37,810
Vaseline .. ..	do.	206	435	292
Greases.. ..	do.	828	1,151	1,658
Paraffin wax .. ..	do.	899	1,117	1,448
Asphalt .. ..	do.	6,190	7,270	23,993
Chile—				
Crude petroleum ..	Long ton	784,512	588,475	755,240
Motor spirit .. ..	do.	34,070	44,333	50,433
Kerosene .. ..	do.	14,141	18,223	17,475
Lubricating oil, etc. ..	do.	11,512	10,150	12,602
Vaseline .. ..	do.	41	44	70
Greases.. ..	do.	1,073	865	1,232
Ozokerite .. ..	do.	7,443	7,205	30
Crude asphalt .. ..	do.	1,921	1,500	1,724
Bitumen .. ..	do.	200	134	105
Paraffin wax .. ..	do.	(a)	(a)	12,324
Colombia—				
Petroleum .. ..	Long ton	858	} (a)	(a)
Motor spirit .. ..	do.	12,586		
Other mineral oils ..	do.	149		
Paraffin wax, etc. ..	do.	4,210		
Vaseline .. ..	do.	67		
Peru—				
Crude petroleum ..	Long ton	1,471	20	(a)
Motor spirit .. ..	do.	32	14	(a)
Lubricating oil ..	do.	3,379	3,397	(a)
Vaseline .. ..	do.	38	26	(a)
Paraffin wax .. ..	do.	3,192	3,048	(a)
Asphalt and bitumen	do.	1,477	1,785	(a)

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

Importing Country and Description	Unit	1926	1927	1928
<b>FOREIGN COUNTRIES(Cont.)</b>				
<b>Uruguay—</b>				
Motor spirit .. ..	Gallon	11,606,474	15,040,859	(a)
Fuel oil .. ..	Long ton	138,434	185,549	(a)
Paraffin wax .. ..	do.	594	267	(a)
Asphalt .. ..	do.	1,776	2,448	(a)
<b>Venezuela—</b>				
Motor spirit .. ..	Long ton	8,685	7,381	(a)
Kerosene .. ..	do.	925	794	(a)
Fuel-oil .. ..	do.	717	1,882	(a)
Lubricating oil .. ..	do.	173	46	(a)
Asphalt .. ..	do.	44	270	(a)
Paraffin wax .. ..	do.	1,631	1,676	(a)
<b>China—</b>				
Motor spirit .. ..	Gallon	10,664,409	11,002,872	16,701,325
Kerosene .. ..	do.	194,159,968	136,640,948	218,993,841
Fuel-oil .. ..	Long ton	133,728	156,546	221,668
Lubricating oil .. ..	Gallon	6,967,197	6,637,043	10,160,776
Paraffin wax .. ..	Long ton	35,098	19,719	41,078
<b>Dutch East Indies (total imports)—</b>				
Crude petroleum .. ..	Gallon	184,992	25,430	(a)
Motor spirit ... ..	do.	2,168,898	787,207	(a)
Kerosene .. ..	do.	8,692,517	7,877,437	(c) 4,367,438
Fuel-oil . . . . .	do.	867,812	1,719,448	(a)
Lubricating oil .. ..	Long ton	9,561	11,194	(c) 8,938
Vaseline .. ..	do.	23	48	(c) 48
Greases . . . . .	do.	379	544	(a)
Paraffin wax .. ..	do.	568	848	(c) 992
Ceresin .. ..	do.	24	10	(c) 90
Pitch .. ..	do.	230	215	(a)
Asphalt .. ..	do.	17,702	22,068	(c) 4,191
<b>Formosa—</b>				
Crude petroleum .. ..	Gallon	1,285,985	3,700,856	(a)
Motor spirit .. ..	do.	285,609	281,076	(a)
Kerosene .. ..	do.	2,337,482	3,010,952	(a)
Lubricating oil .. ..	do.	92,015	174,331	(a)
Paraffin wax .. ..	Long ton	260	249	(a)

(a) Information not available.

(b) Total imports.

(c) Java and Madura only.

(g) Excluding fuel-oil imported on government account.

(k) Years ended 20 March of the year stated.

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES(Cont.)				
French Indo-China—				
Refined petroleum ..	Long ton	58,517	61,136	} 87,376
Distillates .. ..	do.	14,469	19,136	
Heavy oils, etc. ..	do.	10,123	8,234	21,960
Vaseline .. ..	do.	18	18	(a)
Paraffin wax, etc. ..	do.	2,535	1,366	1,685
Asphalt and bitumen..	do.	2,031	2,678	167
Japan (b) (g)—				
Crude oils .. ..	Gallon	98,246,337	135,546,879	317,212,423
Motor spirit .. ..	do.	24,627,188	15,167,718	8,694,680
Kerosene .. ..	do.	21,251,642	40,183,453	57,089,277
Lubricating oil ..	do.	6,111,693	4,385,532	4,832,708
do. (additional) ..	Long ton	33,235	19,763	23,327
Vaseline .. ..	do.	607	512	659
Paraffin wax .. ..	do.	19,752	19,041	20,831
Korea (b)—				
Crude oils .. ..	Gallon	705,220	3,787,087	5,129,000
Motor spirit .. ..	do.	1,590,972	1,944,491	2,650,000
Kerosene, etc. ..	do.	8,549,967	12,377,174	6,631,000
Lubricating oil ..	Long ton	6,137	7,148	8,305
Other oils .. ..	do.	14,614	1,422	(a)
Paraffin wax .. ..	do.	437	588	425
Persia (b) (k)—				
Petroleum .. ..	Long ton	29,550	31,247	32,730
Motor spirit .. ..	do.	1,941	5,665	6,910
Fuel and lubricating oils	do.	3,652	2,229	3,937
Philippine Islands—				
Crude oil .. ..	Gallon	40,226,692	35,572,425	33,163,472
Motor spirit .. ..	do.	12,139,239	11,847,630	19,107,331
Kerosene .. ..	do.	14,803,824	14,363,031	15,261,819
Lubricating oil ..	do.	2,516,047	2,010,732	3,310,925
Residual oils .. ..	Long ton	877	789	1,085
Other distillates ..	do.	(a)	37,747	186,582
Mineral wax .. ..	do.	2,129	1,475	2,124
Asphaltum .. ..	do.	2,131	1,270	3,468

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

Importing Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES(Cont.)				
Siam (total imports)—				
Motor Spirit .. ..	Gallon	2,225,617	3,735,657	4,157,644
Kerosene .. ..	℥	371,774	630,280	(a)
Fuel-oil .. ..	Gallon	4,512,793	5,971,429	6,199,122
Lubricating oil ..	do.	905,239	1,160,318	1,275,265
Syria—				
Motor spirit .. ..	Long ton	38,060	15,588	(a)
Kerosene .. ..	do.		25,845	(a)
Fuel-oil.. ..	do.		2,468	(a)
Turkey—				
Crude petroleum ..	Long ton	2,050	604	(a)
Motor spirit .. ..	do.	15,890	17,766	(a)
Kerosene .. ..	do.	39,891	47,476	(a)
Fuel-oil .. ..	do.	2,183	152	(a)
Other mineral oils ..	do.	12,992	14,748	(a)
Paraffin wax, etc. ..	do.	322	521	(a)
Vaseline .. ..	do.	179	426	(a)
New Caledonia—				
Petroleum .. ..	Long ton	2,592	1,917	(a)

(a) Information not available.

## PHOSPHATES

## PRODUCTION OF PHOSPHATE-ROCK

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
Seychelles (exports) ..	3,208	11,329	15,408
Canada (sales) .. ..	36	135	389
India .. .. .	718	603	805
Christmas Island .. ..	128,987	116,680	111,891
Australia .. .. .	1,255	879	136
Nauru and Ocean Islands ..	468,620	549,660	543,715
<b>Total ..</b>	<b>600,000</b>	<b>680,000</b>	<b>670,000</b>
<b>FOREIGN COUNTRIES</b>			
Belgium .. .. .	29,556	39,132	(a)
Estonia .. .. .	3,989	3,520	6,750
France .. .. .	248,185	182,000	(a)
Germany—			
Prussia .. .. .	533	436	(a)
Norway (apatite) .. ..	338	—	(a)
Russia (years ended Sept. 30) .. .. .	71,371	55,568	(a)
Spain .. .. .	5,567	4,136	(a)
Algeria .. .. .	914,677	831,000	804,169
Egypt .. .. .	228,344	274,976	197,395
Madagascar .. .. .	6,038	6,378	8,200
Morocco (French Zone) ..	868,633	1,178,822	1,315,962
Tunis .. .. .	2,607,000	3,026,386	2,744,952
Dutch West Indies (exports)	105,090	107,161	102,548
United States .. .. .	3,592,022	3,025,149	3,439,921
French Indo-China .. ..	14,675	20,337	19,319
Japan .. .. .	106,854	74,195	(a)
Philippine Islands .. ..	7,393	694	(a)
Angaur Island (estimated)	60,000	60,000	60,000
Makatea (exports) .. ..	125,169	133,523	129,332
New Caledonia .. .. .	10,479	9,000	(a)
<b>Total ..</b>	<b>9,000,000</b>	<b>9,100,000</b>	<b>9,300,000</b>
<b>WORLD'S TOTAL</b>	<b>9,600,000</b>	<b>9,800,000</b>	<b>10,000,000</b>

(a) Information not available.

## PRODUCTION OF SUPERPHOSPHATES

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom (i) ..	521,028	510,858	498,773
Canada .. .. .	547	1,206	4,606
Australia .. .. .	724,723	735,728	719,947
FOREIGN COUNTRIES			
Austria .. .. .	26,247	47,893	45,756
Belgium .. .. .	382,000	344,500	393,965
Czechoslovakia .. .. .	165,000	212,730	210,594
Denmark .. .. .	216,628	276,000	(a)
Finland .. .. .	21,422	23,650	45,774
France .. .. .	2,037,164	2,179,560	2,229,000
Germany .. .. .	685,000	739,000	(a)
Greece .. .. .	32,203	29,959	39,200
Hungary .. .. .	85,000	113,000	(a)
Italy .. .. .	1,559,200	1,348,000	1,033,000
Latvia .. .. .	(a)	32,000	47,000
Jugoslavia .. .. .	56,400	65,900	(a)
Netherlands .. .. .	584,000	621,000	635,000
Norway .. .. .	13,000	13,000	14,400
Poland .. .. .	158,248	323,500	236,417
Portugal .. .. .	120,000	150,000	(a)
Russia (years ended Sept. 30) .. .. .	81,733	95,723	147,193
Spain .. .. .	815,518	850,665	(a)
Sweden .. .. .	227,458	215,284	(a)
Switzerland .. .. .	31,800	26,000	24,300
Algeria .. .. .	95,134	176,519	171,350
Tunis .. .. .	64,000	64,000	(a)
Morocco .. .. .	24,000	24,000	(a)
United States .. .. .	3,496,000	3,095,302	4,489,372
Japan .. .. .	773,845	752,889	(a)

(a) Information not available.

(i) Including Irish Free State where the production in 1926 was 71,321 long tons.

## PRODUCTION OF BASIC SLAG

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom (years ended Sept. 30.) ..	454,173	664,700	663,458
Canada .. .. .	4,324	2,142	(a)
FOREIGN COUNTRIES			
Belgium .. .. .	711,290	872,695	940,532
Czechoslovakia .. ..	124,105	143,002	152,485
France—			
Saar .. .. .	293,888	304,978	324,771
Other districts .. ..	1,204,734	1,205,366	1,452,000
Germany .. .. .	1,390,000	1,742,368	1,394,000
Luxemburg .. .. .	513,860	561,636	588,767
Poland .. .. .	70,438	26,025	32,600
Sweden .. .. .	12,234	9,680	(a)
United States .. .. .	—	—	17,857

(a) Information not available.

## EXPORTS OF PHOSPHATES, ETC.

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom ( <i>d</i> )—			
Superphosphates .. ..	11,893	9,482	12,621
Basic slag .. ..	19,441	13,795	22,292
Seychelles—			
Phosphatic guano .. ..	6825 3,038	11,329	15,408
Canada—			
Phosphate-rock .. ..	36	—	—
Christmas Island (including re-exports)—			
Phosphate-rock .. ..	128,987	116,680	111,891
Australia (including re- exports)—			
Superphosphates .. ..	57	2	—
New Zealand—			
Superphosphates .. ..	608	421	475
Nauru and Ocean Islands—			
Phosphate-rock .. ..	468,620	549,660	543,715
FOREIGN COUNTRIES			
Austria—			
Phosphate-rock .. ..	49	—	—
Superphosphates .. ..	5,483	1,510	2,975
Basic slag .. ..	84	15	5
Belgium-Luxemburg E. U.—			
Phosphate-rock .. ..	109,326	172,200	90,355
Superphosphates .. ..	277,791	250,347	251,576
Basic slag .. ..	899,568	991,349	1,104,202
Czechoslovakia—			
Superphosphates .. ..	5,889	2,282	1,745
Basic slag .. ..	10,581	13,524	16,274
Denmark—			
Superphosphates .. ..	11,513	32,739	26,700
Estonia—			
Phosphate-rock .. ..	9	32	546

*(a)* Information not available.*(d)* Including exports to Irish Free State. See also note *(i)* p. 256.



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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
France—			
Phosphate-rock .. ..	5,102	16,273	4,185
Superphosphates .. ..	277,126	275,212	255,932
Basic slag .. .. .	806,869	1,065,388	1,011,451
Germany—			
Phosphate-rock, etc. .. ..	2,627	3,541	4,816
Superphosphates .. ..	78,839	79,418	95,372
Basic slag .. .. .	42,261	233,728	429,211
Hungary—			
Superphosphates .. ..	3,156	134	2
Italy—			
Phosphate-rock .. ..	6,638	—	121
Basic slag .. .. .	—	—	37
Jugoslavia—			
Phosphates .. .. .	9,969	13,038	9,394
Latvia—			
Superphosphates .. ..	777	3,161	20,659
Netherlands—			
Phosphate-rock .. ..	198	718	31
Superphosphates .. ..	426,698	478,362	469,195
Basic slag .. .. .	659	1,112	1,337
Norway—			
Phosphate-rock .. ..	10	336	—
Superphosphates .. ..	130	199	490
Poland—			
Phosphate rock .. ..	—	—	12
Superphosphates .. ..	12,765	11,988	34,437
Basic slag .. .. .	—	193	84
Rumania—			
Superphosphates .. ..	16,326	21,661	(a)
Sweden—			
Superphosphates .. ..	55,295	49,147	65,307
Switzerland—			
Superphosphates .. ..	33,735	32,841	22,309
Algeria—			
Phosphate-rock .. ..	610,172	862,464	754,723
Superphosphates .. ..	18,999	19,788	19,244
Egypt—			
Phosphate-rock .. ..	173,341	269,993	166,126
Madagascar—			
Phosphate-rock .. ..	5,857	—	8,169
Morocco (French Zone)—			
Phosphate-rock .. ..	860,776	1,138,932	1,315,884
Superphosphates .. ..	16,761	22,232	18,213

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

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Tunis (including re-exports)--			
Phosphate-rock .. ..	2,614,805	2,909,483	2,641,610
Superphosphates .. ..	—	246	13,915
Dutch West Indies—			
Phosphate-rock .. ..	105,090	107,161	102,458
United States—			
Phosphate-rock .. ..	748,963	918,256	898,764
Superphosphates .. ..	64,452	107,462	88,613
Makatea—			
Phosphate-rock .. ..	125,169	133,523	129,232
New Caledonia—			
Phosphate-rock .. ..	10,479	10,732	(a)

(a) Information not available.

## IMPORTS OF PHOSPHATES, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Phosphate-rock .. ..	292,034	404,395	272,997
Superphosphates .. ..	134,301	165,966	123,476
Basic slag .. .. .	46,557	76,277	43,013
Irish Free State—			
Phosphate-rock .. ..	56,750	70,926	60,630
Superphosphates .. ..	41,668	40,524	38,884
Basic slag .. .. .	31,269	38,392	30,243
Mauritius—			
Superphosphates .. ..	596	1,004	844
Southern Rhodesia—			
Superphosphates .. ..	2,757	4,573	3,249
Union of South Africa—			
Phosphate-rock .. ..	29,568	56,881	66,892
Superphosphates .. ..	37,052	53,599	85,518
Basic slag .. .. .	15,981	12,684	16,049
Canada—			
Phosphate-rock .. ..	12,718	15,611	9,275
Superphosphates .. ..	68,677	77,311	87,044
Basic slag .. .. .	5,108	5,778	12,482
Ceylon—			
Superphosphates .. ..	5,020	5,886	5,528
Basic slag .. .. .	3,138	3,248	3,126
Australia—			
Phosphate-rock .. ..	375,032	504,194	539,336
Superphosphates .. ..	93	87	55
New Zealand—			
Phosphate-rock .. ..	140,555	165,345	134,302
Superphosphates .. ..	5	6,526	987
Basic slag .. .. .	46,531	38,626	91,541
FOREIGN COUNTRIES			
Austria—			
Phosphate-rock .. ..	19,163	24,354	28,286
Superphosphates .. ..	27,819	5,205	4,902
Basic slag .. .. .	34,416	43,517	61,920
Belgium-Luxemburg E. U.—			
Phosphate-rock .. ..	284,715	313,004	293,752
Superphosphates .. ..	32,769	29,433	37,953
Basic slag .. .. .	119,785	68,583	39,176

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Czechoslovakia—			
Phosphate-rock .. ..	103,252	98,632	140,412
Superphosphates .. ..	22,309	18,311	15,171
Basic slag .. ..	10,475	10,691	38,622
Denmark—			
Phosphate-rock .. ..	149,653	149,182	128,559
Superphosphates .. ..	162,946	104,187	124,438
Basic slag .. ..	8,707	13,875	12,744
Estonia—			
Superphosphates .. ..	18,475	23,009	28,600
Basic slag .. ..	1,311	1,847	3,131
Finland—			
Phosphate-rock .. ..	17,371	19,048	24,298
Superphosphates .. ..	55,080	43,956	31,261
Basic slag .. ..	19,990	48,331	45,882
France—			
Phosphate-rock .. ..	1,482,310	1,484,652	1,386,243
Superphosphates .. ..	11,600	14,257	8,044
Basic slag .. ..	213	343	2,380
Germany—			
Phosphate-rock, etc. ..	466,873	895,467	781,612
Superphosphates .. ..	61,199	87,880	111,701
Basic slag .. ..	868,794	1,019,753	1,142,256
Hungary—			
Phosphate-rock .. ..	52,628	44,220	70,869
Superphosphates .. ..	28,503	34,831	25,982
Basic slag .. ..	2,614	4,319	9,338
Italy—			
Phosphate-rock .. ..	903,392	857,727	609,840
Basic slag .. ..	66,724	98,320	104,886
Jugoslavia—			
Phosphate-rock (estimated)	31,000	37,700	41,200
Superphosphates .. ..	(a)	604	452
Basic slag .. ..	(a)	1,398	3,105
Latvia—			
Superphosphates .. ..	41,492	41,380	33,326
Basic slag .. ..	23,646	19,857	25,403
Lithuania—			
Superphosphates .. ..	60,432	66,444	68,028

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Phosphate-rock .. ..	323,233	417,264	368,340
Superphosphates .. ..	125,690	99,604	106,374
Basic slag .. ..	347,663	405,727	416,443
Norway—			
Phosphate-rock .. ..	4,171	9,678	11,421
Superphosphates .. ..	25,402	26,896	24,402
Basic slag .. ..	14,691	11,786	20,943
Poland—			
Phosphate-rock .. ..	74,970	198,987	143,492
Superphosphates .. ..	981	2,600	2,949
Basic slag .. ..	66,078	167,659	269,473
Portugal—			
Phosphate-rock .. ..	59,636	69,312	(a)
Superphosphates .. ..	20,701	13,339	(a)
Rumania—			
Phosphate-rock .. ..	5,689	4,907	(a)
Superphosphates .. ..	1,023	905	(a)
Russia (years ended Sept. 30)—			
Phosphate-rock .. ..	10,978	117	—
Superphosphate .. ..	12,777	993	61,134
Basic slag .. ..	6,623	1,295	7,288
Spain (total imports)—			
Phosphate-rock .. ..	471,241	461,364	544,110
Superphosphates .. ..	197,857	190,862	132,046
Basic slag .. ..	18,628	14,429	13,597
Sweden—			
Phosphate-rock .. ..	116,135	127,301	144,081
Superphosphates .. ..	14,006	19,441	19,732
Basic slag .. ..	3,245	4,091	4,871
Switzerland—			
Superphosphates, etc. ..	21,046	15,367	17,028
Basic slag .. ..	105,299	124,395	99,566
Algeria—			
Superphosphates .. ..	26,286	36,757	27,842
Egypt—			
Superphosphates .. ..	36,146	43,141	38,646
Tunis—			
Superphosphates .. ..	94,546	7,642	6
Guadeloupe—			
Superphosphates .. ..	127	401	(a)
Martinique—			
Superphosphates .. ..	1,085	1,514	1,037

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
United States—			
Phosphate-rock .. ..	17,378	28,195	} 50,388
Other crude phosphates ..	4,335	17,509	
Basic slag .. .. .	269	1,625	
Chile—			
Superphosphates .. ..	1	1,919	3,493
Dutch East Indies—			
Phosphate-rock and super- phosphates .. ..	6,188	7,694	7,252
French Indo-China—			
Superphosphates .. ..	86	135	(a)
Formosa—			
Phosphate-rock .. ..	4,000	4,586	(a)
Japan—			
Phosphate-rock .. ..	400,239	400,801	465,839
Philippine Islands—			
Superphosphates .. ..	1,273	2,245	3,162

(a) Information not available.

## PLATINUM

 PRODUCTION OF PLATINUM METALS  
 (Troy ounces)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Union of South Africa—			
Crude (content).. ..	8,723	12,941	14,656
Concentrates (content)	1,822	6,629	9,007
Osmiridium .. ..	6,228	5,473	5,671
Canada—			
Platinum from placers (content) .. ..	50	11	80
Recovered from Ontario nickel-copper matte:			
Platinum .. ..	9,471	11,217	10,452
Palladium .. ..	9,790	11,247	11,389
Other metals .. ..	234	298	1,698
New South Wales—			
Platinum from placers	397	226	354
Tasmania—			
Osmiridium from placers	3,173	633	1,627
New Zealand—			
Platinum from placers..	31	33	35
Papua (years ended June 30)			
Osmiridium from placers	49	60	215
FOREIGN COUNTRIES			
Russia—			
Crude platinum.. ..	92,688	(j) 100,000	(a)
Mexico—			
Platinum from placers..	30	—	—
United States—			
Platinum from placers..	286	153	528
Domestic crude platinum purchased by refiners	171	236	365
New platinum metals re- covered by refineries(i)	84,981	46,050	59,039
Colombia (exports)—			
Platinum from placers..	46,676	(j) 55,000	(a)
Japan—			
Platinum from placers..	198	47	100

(a) Information not available.

(i) These figures include recoveries from imported concentrates, etc.

(j) Estimated.

## EXPORTS OF PLATINUM.\*

*(Domestic Produce)*

(Troy ounces)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum ..	151	742	101
Refined platinum .. ..	41,069	49,808	21,331
Alloys .. .. .	27	255	341
Union of South Africa—			
Osmiridium .. .. .	6,360	5,196	5,505
Platinum .. .. .	4,951	10,431	16,273
Canada—			
Concentrates, etc. (metal content) .. .. .	520	771	1,212
Scrap .. .. .	396	221	424
Australia (including re-exports)—			
Bars, blocks, rods, plates, etc.	3,136	1,362	951
Papua (years ended June 30)—			
Osmiridium .. .. .	49	26	37
FOREIGN COUNTRIES			
Austria—			
Sheets .. .. .	257	129	129
Belgium-Luxemburg E.U.—			
Unwrought platinum ..	418	707	64
France—			
Unwrought platinum ..	161	579	257
Drawn or rolled platinum ..	1,897	129	193
Italy—			
Rods, bars, dust and scrap ..	1,061	739	997
Germany—			
Platinum and alloys ..	12,577	87,663	83,397
Poland—			
Ingots, sheets, wire, etc. ..	5	29	17
Russia (years ended Sept. 30)	131,760	163,100	78,925
Sweden—			
Unwrought platinum ..	203	33	27
Switzerland—			
Unwrought platinum ..	772	161	418

\* Official figures as given by the countries concerned, and do not include platinum transported by letter post.



EXPORTS OF PLATINUM (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Egypt— Platinum .. .. .	—	7	(a)
Mexico— Platinum .. .. .	32	(a)	(a)
United States— Unwrought platinum ..	11,573	19,923	9,050
Colombia— Crude platinum .. ..	16,621	(a)	(a)
Other platinum .. ..	30,055	(a)	(a)

(a) Information not available.

## IMPORTS OF PLATINUM. \*

*(Less Re-exports)*

(Troy ounces)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Unrefined platinum ..	9,288	20,977	37,251
Refined platinum .. ..	169,568	5,859	21,655
Alloys .. .. .	2,618	262	56
Canada—			
Bars, sheets, wire, etc. ..	(£28,496)	(£19,452)	(£28,074)
Australia—			
Bars, rods, plates, etc. ..	140	451	798
New Zealand—			
Bars, blocks and rods, etc.	135	31	41
FOREIGN COUNTRIES			
Austria—			
Sheets .. .. .	32	1,286	2,540
Belgium-Luxemburg E.U.—			
Unwrought platinum ..	836	900	2,733
Finland—			
Unwrought platinum ..	5	5	25
France—			
Ore .. .. .	—	22,505	—
Unwrought platinum and scrap .. .. .	20,898	25,431	15,078
Drawn or rolled platinum..	675	1,061	8,488
Germany—			
Platinum and alloys ..	16,605	224,246	98,871
Italy—			
Bars, rods, dust and scrap..	514	3,183	2,701
Sheets and foil .. ..	1,704	1,190	1,286
Wire .. .. .	257	836	322
Netherlands—			
Unwrought platinum ..	4,051	129	225
Norway—			
Unwrought platinum ..	39	16	90
Wire .. .. .	10	8	—
Poland—			
Ingots, sheets and wire ..	13	100	222

\* Official figures as given by the countries concerned, and do not include platinum transported by letter post.

IMPORTS OF PLATINUM (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Sweden—			
Unwrought platinum ..	233	298	120
Switzerland—			
Unwrought platinum ..	643	579	643
Egypt—			
Platinum .. .. .	4	618	1,221
United States—			
Platinum content of ore ..	1,221	—	686
Unwrought platinum,	113,747	128,544	127,761
Iridium, palladium, etc. ..	19,824	20,188	26,747
Cuba—			
Bars and dust .. ..	64	29	(a)
Brazil (total imports)—			
Ingots, sheets and wire ..	374	275	464
Japan (total imports)—			
Platinum .. .. .	1,868	11,067	20,796
Turkey—			
Sheets and wire .. ..	18	—	(a)

(a) Information not available.

## POTASH MINERALS

PRODUCTION OF POTASH  
(Long tons)

Producing Country and Description	1926	1927	1928	K <sub>2</sub> O Content		
				1926	1927	1928
<b>BRITISH EMPIRE</b>						
Canada (shipments)						
Nitro-alunite ..	—	6	—	—	(a)	—
India—						
Nitrate (estimated)	5,700	6,800	4,700	2,000	3,000	2,000
Australia—						
Alunite .. ..	580	3	—	50	—	—
Total (estimated)				2,000	3,000	2,000
<b>FOREIGN COUNTRIES</b>						
<b>France—</b>						
Sylvinite, etc. :						
12-16 per cent.						
K <sub>2</sub> O ..	295,537	251,199	212,840	} 360,879	366,174	404,813
18-22 per cent.						
K <sub>2</sub> O ..	472,271	525,917	616,750			
50 per cent. and over K <sub>2</sub> O ..	246,475	291,693	327,851			
<b>Germany—</b>						
Kainite, sylvinite, etc. .. ..	7,421,881	9,151,491	10,266,562	1,063,604	1,325,558	} 1,467,097
Carnallite, etc. .	1,837,640	1,745,190	2,025,261	179,044	168,504	
<b>Italy—</b>						
Leucite .. ..	34,000	29,000	40,000	2,700	(a)	(a)
Alunite .. ..	1,600	800	193	180	(a)	(a)
<b>Poland—</b>						
Kainite .. ..	77,916	125,705	144,375	7,791	12,570	14,438
Sylvite .. ..	126,493	145,997	191,884	30,535	33,554	42,456
<b>Russia (years ended Sept. 30)—</b>						
Alunite clay ..	3,253	3,017	5,400	(a)	(a)	(a)
Alum stone ..	637	1,342	(a)	(a)	(a)	(a)
Potassium car- bonate .. ..	3,213	3,724	(a)	(a)	(a)	(a)
<b>Spain—</b>						
Crude salts ..	79,325	169,634	(a)	(a)	16,963	(a)
Nitrate .. ..	935	935	(a)	(a)	(a)	(a)
<b>United States—</b>						
Crude salts ..	41,361	68,588	92,972	20,862	38,848	53,491
Total .. ..				1,680,000	1,960,000	2,000,000
<b>WORLD'S TOTAL</b>				1,680,000	1,960,000	2,000,000

(a) Information not available.

## EXPORTS OF POTASH

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Kainite and other potash fertilizer salts .. ..	478	444	241
Nitrate .. ..	877	874	828
Chromate and bichromate	931	1,537	1,412
Other compounds .. ..	790	1,581	1,849
Canada—			
Crude potash .. ..	32	346	75
Aden (including re-exports)—			
Compounds .. ..	540	507	613
India (by sea)—			
Nitrate .. ..	4,942	6,151	4,479
British Malaya (including re-exports)—			
Nitrate .. ..	320	340	373
Australia (including re-exports)			
Alunite .. ..	2,155	320	640
FOREIGN COUNTRIES			
Austria—			
Potash fertilizer salts ..	100	39	16
Nitrate .. ..	122	149	325
Bicarbonate, including sodium bicarbonate ..	1,141	1,110	1,215
Other compounds (b) ..	233	297	384
Belgium-Luxemburg E. U.—			
Potash fertilizer salts ..	158,285	68,829	2,587
Nitrate .. ..	1,327	744	249
Chloride .. ..	41,788	13,440	891
Caustic potash .. ..	694	600	730
Carbonate .. ..	2,615	2,406	2,748
Other compounds .. ..	16,212	7,799	5,426
Bulgaria—			
Carbonate .. ..	127	256	(a)
Czechoslovakia—			
Potash and other fertilizer salts .. ..	1,076	12	32
Carbonate .. ..	1,424	688	747
Chloride .. ..	738	751	1,195

(a) Information not available.

EXPORTS OF POTASH (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Czechoslovakia ( <i>Cont.</i> )—			
Manganate and permanganate, including those of sodium .. .. .	704	930	1,225
Potash .. .. .	877	1,543	1,379
Sulphate .. .. .	239	355	680
Sulphide, including sodium sulphide .. .. .	249	568	666
Finland—			
Chlorate .. .. .	1,140	1,176	1,355
France—			
Kainite .. .. .	24,473	19,528	34,180
Chloride .. .. .	665,356	649,821	639,495
Nitrate—			
Natural .. .. .	1,416	1,040	310
Synthetic .. .. .	6,813	6,456	6,481
Carbonate .. .. .	585	1,073	893
Caustic potash .. .. .	3,421	4,993	5,092
Chlorate .. .. .	(a)	(a)	3,935
Sulphate .. .. .	1,585	2,738	4,588
Germany (including reparations)—			
Potash and other salts ..	947,800	1,020,384	1,089,193
Nitrate .. .. .	12,896	20,908	22,796
Potash and wool grease ash	14,405	13,948	16,169
Caustic potash .. .. .	35,095	30,213	29,962
Chlorate .. .. .	19,202	16,079	12,409
Chloride .. .. .	198,082	174,093	190,472
Ferro- and ferri-cyanide and cyanide of potassium, also ferro-cyanide of sodium .. .. .	2,545	4,108	4,744
Manganate and permanganate .. .. .	972	834	870
Sulphate .. .. .	131,279	146,729	178,537
Magnesium potassium sulphate .. .. .	48,464	52,021	62,036

## EXPORTS OF POTASH (Cont.)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Hungary—			
Caustic potash .. ..	2	7	3
Carbonate .. .. .	910	815	991
Potash fertilizer salts ..	129	197	219
Italy—			
Silicate, including sodium silicate .. .. .	245	296	488
Other compounds (b) ..	49	135	378
Netherlands—			
Potash fertilizer salts ..	1,436	406	2
Caustic potash .. .. .	11	21	48
Chloride .. .. .	634	405	175
Nitrate, refined .. .. .	2,267	2,111	1,807
Sulphate .. .. .	1,607	304	88
Other compounds .. .. .	2,189	2,715	2,419
Poland—			
Potash fertilizer salts ..	14,048	17,193	22,539
Carbonate .. .. .	89	15	—
Caustic potash .. .. .	117	321	288
Chlorate .. .. .	88	—	73
Russia (years ended Sept. 30)			
Carbonate .. .. .	295	—	1,014
Sweden—			
Caustic potash .. .. .	1,034	430	376
Chlorate, including sodium chlorate .. .. .	3,410	3,679	5,009
Other compounds (b) ..	19	10	136
Switzerland—			
Caustic potash, including caustic soda .. .. .	103	16	16
United States—			
Bichromate .. .. .	57	1,308	7,289
Other potash salts .. ..	1,442		
Chile—			
Potassium compounds ..	229	240	214
Japan—			
Chlorate .. .. .	735	295	20
Iodide .. .. .	17	3	7

(a) Information not available.

(b) Including some sodium salts.

## IMPORTS OF POTASH

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Kainite and other potash fertilizer salts .. ..	118,242	123,278	97,949
Nitrate .. .. .	6,094	6,539	5,656
Carbonate .. .. .	2,169	2,614	2,650
Caustic potash and lyes .. ..	4,982	5,051	5,352
Chlorate .. .. .	931	1,289	1,281
Chloride .. .. .	23,863	30,453	32,803
Sulphate .. .. .	16,258	19,043	18,659
Other compounds .. .. .	3,154	2,867	2,132
Irish Free State—			
Kainite .. .. .	8,009	9,466	12,896
Other compounds .. .. .	244	268	290
Mauritius—			
Nitrate .. .. .	2,355	3,243	2,787
Sulphate .. .. .	—	—	100
Northern Rhodesia—			
Compounds .. .. .	1	8	36
Southern Rhodesia—			
Compounds .. .. .	12	14	144
Union of South Africa—			
Potash fertilizer salts .. ..	3,476	5,320	7,074
Nitrate .. .. .	298	114	194
Other compounds .. .. .	484	530	855
Canada—			
Kainite and other potash fertilizer salts .. ..	13,248	17,058	21,479
Crude sulphate .. .. .	766	691	890
Nitrate .. .. .	735	560	448
Other compounds .. .. .	1,419	1,608	1,204
Aden (total imports)—			
Compounds .. .. .	556	627	615
British Malaya (total im- ports)—			
Nitrate .. .. .	379	333	352
Ceylon—			
Kainite .. .. .	952	1,164	830
Nitrate refuse .. .. .	4,076	4,827	3,450
Chloride—			
Sylvite .. .. .	7,639	7,429	7,349
Sylvinite .. .. .	933	1,023	2,272
Sulphate .. .. .	1,351	1,344	1,030



IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>			
India (total imports by sea)—			
Bichromate .. .. .	298	339	282
Chlorate .. .. .	1,493	1,208	1,973
Chloride .. .. .	(o) 3,249	4,671	6,748
Other compounds .. .. .	243	421	477
Australia—			
Nitrate .. .. .	562	650	452
Cyanides, including sodium cyanide .. .. .	813	733	685
Other compounds .. .. .	962	798	1,006
New Zealand—			
Kainite .. .. .	2,460	898	861
Other potash fertilizers .. .. .	6,858	4,040	9,551
Sulphate .. .. .	2,019	1,421	1,915
Other potash compounds (b) .. .. .	289	327	229
<b>FOREIGN COUNTRIES</b>			
Austria—			
Potash fertilizer salts .. .. .	17,198	17,293	23,137
Carbonate .. .. .	671	629	721
Caustic potash .. .. .	335	398	418
Chloride .. .. .	945	724	998
Other compounds (b) .. .. .	729	829	939
Belgium-Luxemburg E. U.—			
Potash fertilizer salts .. .. .	316,694	189,722	154,892
Carbonate .. .. .	1,341	1,166	1,595
Chlorate .. .. .	1,223	937	683
Chloride .. .. .	89,277	37,362	26,475
Chromate and bichromate, including those of sodium	515	391	426
Other compounds .. .. .	2,103	1,396	5,660
Bulgaria—			
Potassium compounds .. .. .	87	80	(a)
Czechoslovakia—			
Potash and other fertilizer salts .. .. .	79,680	92,596	131,790
Bicarbonate, including sodium bicarbonate .. .. .	585	668	752
Chloride .. .. .	2,985	4,540	4,218
Other compounds (b) .. .. .	409	422	466

(a) Information not available.

(b) Including some sodium compounds.

(o) Nine months only, April to December.

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Denmark—			
Potash fertilizer salts ..	54,171	40,326	43,118
Nitrate .. ..	966	1,511	1,382
Caustic potash .. ..	2,754	2,746	2,939
Carbonate .. ..	568	514	647
Other compounds ( <i>b</i> ) ..	517	644	842
Estonia—			
Potash fertilizer salts ..	5,671	5,610	9,503
Other compounds .. ..	73	196	138
Finland—			
Fertilizer salts .. ..	34,657	36,710	37,444
Chloride .. ..	1,180	742	1,382
Carbonate .. ..	186	243	351
Nitrate .. ..	35	41	63
France—			
Fertilizer salts .. ..	120	35	80
Nitrate .. ..	17	14	232
Carbonate .. ..	3,098	2,033	2,822
Caustic potash .. ..	775	318	376
Chromate and bichromate ( <i>e</i> )	3,059	2,020	3,117
Sulphate .. ..	2,634	613	2,504
Germany—			
Nitrate .. ..	927	210	336
Chlorate .. ..	146	38	33
Other compounds .. ..	630	1,074	1,100
Greece—			
Nitrate .. ..	74	78	111
Potash .. ..	237	230	251
Caustic potash .. ..	15	46	18
Hungary—			
Potash fertilizer salts ..	3,130	3,677	5,355
Bicarbonate, including sodium bicarbonate ..	443	533	514
Other compounds ( <i>b</i> ) ..	469	490	512

(a) Information not available.

(b) Including some sodium compounds.

(e) Including those of sodium.

(j) Bicarbonate of potash only.

## IMPORTS OF POTASH (Cont.)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Italy—			
Potash fertilizer salts ..	43,840	23,409	50,000
Nitrate .. ..	1,505	1,590	1,838
Carbonate .. ..	858	907	954
Caustic potash .. ..	2,457	2,264	2,507
Other compounds (b) ..	3,997	3,624	3,157
Yugoslavia—			
Fertilizer salts .. ..	(a)	2,781	4,232
Bicarbonate, including sodium bicarbonate ..	263	226	(j) 37
Caustic potash .. ..	207	45	80
Other compounds (b) ..	344	909	422
Latvia—			
Potash fertilizer salts ..	19,773	14,115	16,887
Lithuania—			
Potash salts.. ..	7,812	8,396	8,660
Netherlands—			
Potash fertilizer salts ..	271,442	335,067	320,297
Caustic potash .. ..	99	207	212
Chloride .. ..	5,119	3,510	5,888
Nitrate, refined .. ..	417	686	861
Sulphate .. ..	2,711	3,556	5,207
Other compounds .. ..	1,656	1,742	1,902
Norway—			
Kainite and other potash salts .. ..	17,455	17,822	21,420
Caustic potash .. ..	1,176	1,400	2,222
Other compound .. ..	968	1,295	1,231
Poland—			
Potash fertilizer salts ..	26,592	80,913	88,808
Nitrate .. ..	382	549	284
Bicarbonate, including sodium bicarbonate ..	1,570	2,268	2,274
Carbonate .. ..	249	281	286
Caustic potash .. ..	175	315	247
Chlorate .. ..	87	59	20
Silicates, including those of sodium .. ..	501	460	285
Portugal—			
Nitrate .. ..	235	241	(a)
Chloride .. ..	990	1,166	(a)
Sulphate .. ..	340	132	(a)
Other compounds .. ..	377	327	(a)

## IMPORTS OF POTASH (Cont.)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Rumania—			
Carbonate and bicarbonate	81	103	(a)
Caustic potash .. ..	38	(a)	(a)
Chromate and bichromate	114	(a)	(a)
Chlorate .. .. .	14	8	(a)
Other compounds .. ..	122	181	(a)
Russia (years ended Sept 30)—			
Potash salts .. .. .	3,331	1,919	6,717
Spain (total imports)—			
Carbonate .. .. .	224	177	331
Caustic potash and soda ..	1,196	607	371
Chlorate .. .. .	3	6	6
Permanganate .. .. .	13	9	17
Potash fertilizer salts ..	22,551	23,083	16,982
Sweden—			
Potash fertilizer salts—			
Potash salts (20% $K_2O$ )	32,775	33,020	25,010
Kainite (12% $K_2O$ ) ..	4,128	349	769
Other potash salts ..	55,017	57,423	56,421
Nitrate .. .. .	537	418	577
Carbonate .. .. .	1,507	1,583	1,712
Caustic potash .. .. .	3,678	2,366	3,160
Chloride .. .. .	7,995	6,357	7,496
Other compounds (b) ..	460	1,205	1,227
Switzerland—			
Crude potash .. .. .	374	449	413
Crude nitrate .. .. .	1,899	1,887	2,111
Purified nitrate, including sodium nitrate .. ..	592	892	419
Caustic potash—			
Liquid, including caustic soda .. ..	283	387	346
Solid .. .. .	4,193	1,198	1,302
Chloride .. .. .	1,406	1,471	1,547
Other compounds .. ..	149	278	405

(a) Information not available.

(b) Including some sodium salts.

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Algeria—			
Potash salts .. ..	10,451	12,708	(a)
Egypt—			
Bichromate, including sodium bichromate ..	316	353	427
Other compounds ..	2	13	6
Morocco (French Zone)—			
Potash fertilizers .. ..	161	81	3,622
Carbonate .. .. .	160	186	241
Tunis—			
Silicate, including sodium silicate .. .. .	64	63	39
Other compounds ..	393	286	249
Costa Rica (total imports)—			
Nitrate .. .. .	3	—	(a)
Guadeloupe—			
Chloride .. .. .	148	(a)	(a)
Mexico—			
Nitrate, including nitrate of soda .. .. .	2,404	(a)	(a)
Bicarbonate, including bi- carbonate of soda ..	1,242	1,032	(a)
Carbonate, including car- bonate of soda .. ..	7,833	(a)	(a)
Chlorate, including chlorates of soda and barium ..	438	379	(a)
Caustic potash and soda	12,206	12,701	(a)
United States—			
Kainite .. .. .	181,877	102,987	107,051
Chloride .. .. .	198,120	157,228	227,673
Nitrate .. .. .	9,416	3,550	11,796
Carbonate, including crude	5,138	5,878	7,520
Cyanide .. .. .	46	152	52
Sulphate .. .. .	69,777	368,775	86,212
Other compounds .. ..	392,681	303,001	437,498
Argentina—			
Nitrate .. .. .	81	149	111
Carbonate .. .. .	51	67	62
Caustic potash .. .. .	46	83	45
Chlorate .. .. .	175	218	54
Sulphate .. .. .	(a)	14	357
Other compounds .. ..	250	218	189

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Brazil (total imports)—			
Nitrate .. .. .	1,155	3,356	6,130
Caustic potash .. .. .	7	12	37
Potash and soda ash .. .. .	9,393	7,761	12,012
Chile—			
Potash fertilizer salts .. .. .	244	3,916	(a)
Bichromate .. .. .	46	38	45
Chlorate .. .. .	218	82	20
Other compounds .. .. .	396	558	219
Colombia—			
Bicarbonates of potash and soda .. .. .	455	}	(a)
Carbonate, including sodium carbonate.. .. .	225		
Other compounds .. .. .	112		
Peru—			
Cyanide, carbonate, chloride and other compounds .. .. .	1,020	753	(a)
Uruguay—			
Nitrate .. .. .	7	13	(a)
Caustic potash .. .. .	16	32	(a)
China—			
Nitrate .. .. .	1,720	1,469	1,806
Dutch East Indies (total imports)—			
Potash fertilizer salts .. .. .	388	388	(b) 498
Nitrate .. .. .	164	93	(b) 81
Chloride .. .. .	64	15	(a)
Other compounds .. .. .	91	156	(b) 97
French Indo-China—			
Carbonate .. .. .	349	360	360
Other compounds .. .. .	501	429	(a)
Japan (total imports)—			
Nitrate .. .. .	413	397	(a)
Bichromate .. .. .	350	430	446
Bromide .. .. .	117	(n) 137	(a)
Chlorate .. .. .	3,600	2,910	2,539

IMPORTS OF POTASH (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Japan ( <i>Cont.</i> )—			
Chloride .. .. .	5,604	12,875	21,750
Cyanide, including sodium cyanide .. .. .	506	588	618
Sulphate .. .. .	26,328	31,159	34,549
Philippine Islands—			
Chlorate .. .. .	7	16	39
Sulphate .. .. .	508	606	585
Turkey—			
Carbonate .. .. .	68	458	(a)
Other potash compounds ..	31	70	(a)

(a) Information not available.

(b) Java and Madura only.

(n) Including other bromine salts.

## PYRITES.

PRODUCTION OF PYRITES  
(including Cupreous pyrites).  
(Long tons)

Producing Country.	1926	1927	1928	Estimated Sulphur Content.		
				1926	1927	1928
<b>BRITISH EMPIRE:</b>						
United Kingdom	4,239	4,890	4,370	(a)	(a)	(a)
Union of South Africa .. ..	2,409	2,219	3,695	(a)	(a)	(a)
Canada .. ..	15,933	45,413	58,713	8,014	22,516	(a)
Cyprus .. ..	165,313	200,176	243,935	82,657	100,088	121,968
Total ..	188,000	253,000	311,000			
<b>FOREIGN COUNTRIES.</b>						
Austria .. ..	21,941	19,023	9,842	5,056	3,103	1,968
Czechoslovakia ..	22,156	22,932	23,253	8,863	9,058	9,185
France .. ..	189,302	200,500	198,892	89,315	(a)	(a)
Germany .. ..	234,113	344,895	336,775	97,376	147,169	143,562
Greece .. ..	80,000	98,470	92,781	39,000	48,112	44,643
Hungary .. ..	173	3,608	4,155	(a)	(a)	(a)
Italy .. ..	585,090	615,462	549,171	268,932	285,811	(a)
Jugoslavia .. ..	52,518	56,104	63,258	(a)	(a)	(a)
Norway .. ..	624,810	607,299	726,871	272,532	262,648	316,551
Poland .. ..	18,552	24,208	10,500	(a)	(a)	(a)
Portugal .. ..	284,725	296,287	(a)	(a)	(a)	(a)
Rumania .. ..	41,375	25,111	23,340	(a)	(a)	(a)
Russia (years ended Sept. 30) ..	107,666	221,759	98,555	(a)	(a)	(a)
Spain .. ..	3,597,067	3,553,668	3,930,000	1,632,199	1,582,578	(a)
Sweden .. ..	68,657	68,145	19,680	26,534	31,628	12,198
Algeria .. ..	11,323	12,033	13,607	5,301	(a)	(a)
United States ..	166,559	215,786	182,049	(a)	(a)	(a)
Japan .. ..	410,919	498,096	584,591	(a)	(a)	(a)
Total ..	6,510,000	6,880,000	7,180,000			
<b>WORLD'S TOTAL</b>	<b>6,690,000</b>	<b>7,130,000</b>				

(a) Information not available.



## EXPORTS OF PYRITES

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Iron and cupreous pyrites..	1	1,264	8,551
Canada—			
Pyrites ( <i>sulphur content</i> ) ..	—	12,153	28,211
Cyprus .. .. .	150,363	208,122	240,060
New Zealand .. .. .	4	—	—
<b>FOREIGN COUNTRIES</b>			
Austria—			
Iron-pyrites .. .. .	253	560	48
Czechoslovakia—			
Pyrites .. .. .	212	139	—
France—			
Pyrites .. .. .	602	1,791	4,857
Germany—			
Pyrites, etc... .. .	10,645	35,000	36,283
Greece—			
Iron-pyrites .. .. .	73,106	89,174	78,343
Hungary .. .. .	768	—	—
Italy—			
Iron-pyrites .. .. .	87,922	98,498	185,955
Cupreous pyrites .. .. .	71	358	—
Jugoslavia .. .. .	(a)	40,530	56,608
Netherlands—			
Iron-pyrites .. .. .	7,940	10,397	6,110
Norway—			
Iron-pyrites.. .. .	127,682	176,076	205,101
Cupreous pyrites .. .. .	445,760	417,554	430,910

(a) Information not available.

EXPORTS OF PYRITES (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Poland—			
Iron-pyrites.. .. .	10,022	13,481	7,616
Portugal .. .. .	134,233	106,457	(a)
Rumania .. .. .	2,066	—	(a)
Spain (including re-exports)—			
Iron-pyrites.. .. .	1,329,288	1,528,750	1,645,741
Cupreous pyrites, containing not more than 2½ % Cu ..	731,776	877,146	(a)
Copper ore and cupreous pyrites, containing more than 2½ % Cu .. .. .	31,927	—	(a)
Sweden—			
Pyrites .. .. .	—	74	—

(a) Information not available.

## IMPORTS OF PYRITES

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Iron and cupreous pyrites	234,441	286,543	300,723
Irish Free State .. ..	23,052	26,387	32,011
FOREIGN COUNTRIES			
Austria—			
Iron-pyrites.. ..	33,147	50,287	57,755
Czechoslovakia—			
Pyrites .. ..	146,125	197,188	208,139
Denmark .. ..	85,328	64,455	76,559
France—			
Iron-pyrites.. ..	510,798	750,069	810,665
Germany—			
Pyrites, etc. .. ..	788,089	936,714	1,067,213
Hungary .. ..	39,979	39,350	50,794
Italy—			
Iron-pyrites .. ..	125,752	124,932	126,449
Cupreous pyrites .. ..	1,476	5,258	10,313
Jugoslavia .. ..	(a)	(a)	9,500
Netherlands—			
Iron-pyrites .. ..	114,239	121,191	137,983
Poland—			
Iron-pyrites.. ..	20,623	12,093	20,018
Rumania .. ..	607	—	(a)
Sweden—			
Pyrites .. ..	158,801	157,250	166,597
United States .. ..	366,151	250,794	457,973

(a) Information not available.

## QUICKSILVER

### PRODUCTION OF QUICKSILVER

(Lb. avdp.)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE.</b>			
Canada .. .. .	375	—	—
New Zealand .. .. .	—	1,568	—
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	15,598	18,739	14,550
Czechoslovakia .. .. .	181,300	121,799	158,576
Italy .. .. .	4,124,848	4,400,426	4,383,000
Rumania .. .. .	4,467	7,848	—
Russia (years ended Sept. 30) .. .. .	279,502	163,230	224,210
Spain (incomplete data) ..	3,514,538	5,496,121	(a)
Algeria .. .. .	5,428	5,975	—
Mexico .. .. .	100,125	178,828	192,726
United States .. .. .	573,150	845,700	1,262,850
China (exports) .. .. .	4,467	(a)	(a)
Turkey .. .. .	12,075	(a)	9,450
<b>WORLD'S TOTAL</b>	<b>9,000,000</b>	<b>11,000,000</b>	

(a) Information not available.

EXPORTS OF QUICKSILVER, ETC.  
(Domestic Produce)  
(Cwt.)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Quicksilver .. .. .	170	171	292
British Malaya (including re-exports)—			
Quicksilver .. .. .	2	1	3
FOREIGN COUNTRIES			
Austria—			
Quicksilver .. .. .	98	87	39
Belgium-Luxemburg E. U.—			
Quicksilver .. .. .	2	—	295
Sulphide of mercury ..	87	26	250
Czechoslovakia—			
Quicksilver .. .. .	832	236	630
France—			
Quicksilver .. .. .	57	85	51
Mercury salts .. .. .	101	83	74
Germany—			
Quicksilver and amalgam ..	488	661	929
Mercury salts .. .. .	2,340	2,397	3,029
Hungary—			
Quicksilver .. .. .	31	16	—
Italy—			
Quicksilver .. .. .	35,599	25,963	41,846
Chloride of mercury ..	486	1,218	580
Sulphide of mercury ..	669	394	486
Other mercury salts ..	439	132	146
Netherlands—			
Quicksilver and amalgam ..	45	67	36
Spain (including re-exports)—			
Quicksilver .. .. .	33,019	30,740	32,340
Sweden—			
Quicksilver and amalgam ..	23	—	(18 lb.)
Algeria—			
Quicksilver .. .. .	37	12	—
Mexico—			
Quicksilver .. .. .	893	1,568	1,721
United States—			
Quicksilver .. .. .	77	—	(a)
Chile—			
Quicksilver .. .. .	9	16	(a)
China—			
Quicksilver .. .. .	40	(a)	(a)
Turkey—			
Quicksilver .. .. .	135	—	(a)
Mercury salts .. .. .	73	—	(a)

(a) Information not available.

## IMPORTS OF QUICKSILVER, ETC.

*(Less Re-exports)*

(Cwt.)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Quicksilver .. .. .	8,997	11,264	18,346
Southern Rhodesia—			
Quicksilver .. .. .	152	100	113
Union of South Africa—			
Quicksilver .. .. .	1,249	374	456
Canada—			
Quicksilver .. .. .	897	1,108	1,782
India (total imports by sea)—			
Quicksilver .. .. .	2,177	1,748	2,176
British Malaya (total imports)—			
Quicksilver .. .. .	70	34	43
Australia—			
Quicksilver .. .. .	295	218	198
Mercury salts .. ..	10	15	15
New Zealand—			
Quicksilver .. .. .	18	20	19
FOREIGN COUNTRIES			
Austria—			
Quicksilver .. .. .	329	311	1,136
Belgium-Luxemburg E.U.—			
Quicksilver .. .. .	1,134	1,323	3,220
Sulphide of mercury ..	110	65	87
Bulgaria—			
Quicksilver .. .. .	4	26	(a)
Czechoslovakia—			
Quicksilver .. .. .	18	197	650
Denmark—			
Quicksilver .. .. .	28	22	30
Estonia—			
Quicksilver .. .. .	9	6	10
Mercury salts .. ..	—	10	10
Finland—			
Cinnabar .. .. .	112	263	173
Quicksilver and amalgam ..	44	35	39

(a) Information not available.

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
France—			
Quicksilver .. .. .	4,178	4,464	3,909
Other mercury salts ..	1,094	1,126	1,381
Germany—			
Quicksilver and amalgam ..	15,741	14,253	26,142
Mercury salts .. .. .	340	868	1,307
Greece—			
Quicksilver .. .. .	14	24	26
Hungary—			
Quicksilver .. .. .	317	102	79
Mercury sulphide .. ..	16	12	26
Italy—			
Quicksilver .. .. .	—	2	6
Chloride of mercury ..	2	2	2
Sulphide of mercury ..	18	23	3
Jugoslavia—			
Quicksilver and amalgam ..	66	117	90
Mercury salts .. .. .	128	129	142
Latvia—			
Quicksilver .. .. .	13	19	14
Mercury salts .. .. .	10	12	19
Lithuania—			
Quicksilver .. .. .	10	8	6
Netherlands—			
Quicksilver and amalgam ..	142	186	145
Poland—			
Quicksilver .. .. .	301	453	404
Mercury salts .. .. .	112	169	258
Portugal—			
Quicksilver .. .. .	135	96	(a)
Mercury salts .. .. .	33	53	(a)
Rumania—			
Quicksilver .. .. .	666	60	(a)
Mercury salts .. .. .	184	84	(a)
Russia (years ended Sept. 30)			
Quicksilver .. .. .	374	39	138
Spain (total imports)—			
Mercury salts .. .. .	23	28	20
Sweden—			
Quicksilver and amalgam ..	652	246	277
Switzerland—			
Quicksilver .. .. .	652	561	775
Egypt—			
Quicksilver .. .. .	13	11	18

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

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Morocco (French Zone)—			
Quicksilver .. ..	2	29	(a)
Costa Rica (total imports)—			
Quicksilver .. ..	11	18	(a)
United States—			
Quicksilver .. ..	19,161	16,507	10,435
Argentina—			
Quicksilver .. ..	74	109	143
Mercury salts .. ..	133	155	163
Brazil (total imports)—			
Quicksilver .. ..	97	(a)	103
Chile—			
Cinnabar .. ..	13	48	35
Quicksilver .. ..	28	21	29
Mercury salts .. ..	34	45	36
Colombia—			
Quicksilver .. ..	37	(a)	(a)
Mercury salts .. ..	105	(a)	(a)
Peru—			
Quicksilver .. ..	9	4	(a)
Mercury salts .. ..	11	15	(a)
China—			
Cinnabar .. ..	1,080	748	942
Dutch East Indies—			
Quicksilver .. ..	93	85	100
French Indo-China—			
Quicksilver .. ..	35	55	(a)
Cinnabar .. ..	311	246	(a)
Vermilion .. ..	116	79	(a)
Formosa—			
Vermilion and cinnabar ..	120	87	(a)
Japan (total imports)—			
Quicksilver .. ..	6,444	5,306	8,439
Turkey—			
Quicksilver .. ..	37	34	(a)
Mercury salts .. ..	141	75	(a)

(a) Information not available.



## SALT

## PRODUCTION OF SALT

(Long tons)

Producing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Rock-salt .. .. .	40,690	29,596	31,349
Brine-salt .. .. .	1,686,753	1,953,890	1,914,969
Mauritius (estimated)—			
Sea-salt .. .. .	1,500	1,500	1,500
Nigeria (estimated) .. .. .	400	400	400
Somaliland (exports)—			
Sea-salt .. .. .	2,077	2,367	(a)
South-West Africa .. .. .	357	338	144
Anglo-Egyptian Sudan .. .. .	9,194	9,716	9,000
Tanganyika Territory .. .. .	3,105	4,775	5,053
Uganda .. .. .	1,715	2,017	2,034
Union of South Africa (years ended June 30) .. .. .	79,245	79,146	(a)
Canada .. .. .	232,213	241,876	269,206
West Indies (exports)—			
Sea-salt—			
Bahamas .. .. .	7,400	1,900	700
Turks and Caicos Islands	53,958	27,923	50,043
Ceylon .. .. .	15,962	25,668	43,576
Cyprus (estimated) .. .. .	3,000	3,000	3,000
India (including Aden)—			
Rock-salt .. .. .	146,671	170,748	155,353
Salt .. .. .	1,492,078	1,441,197	1,359,996
Palestine—			
Rock salt .. .. .	—	—	1,654
Weihaiwei (estimated) .. .. .	2,000	2,000	2,000
Australia—			
Victoria .. .. .	(d) 40,000	35,926	51,357
Western Australia (estimated)	8,000	8,000	8,000
South Australia .. .. .	91,101	79,286	71,428
Total .. .. .	3,900,000	4,100,000	4,000,000

(a) Information not available.

(d) Estimated.

## PRODUCTION OF SALT (Cont.)

Producing Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
Austria—			
Rock-salt .. .. .	3,176	2,632	1,581
Brine-salt .. .. .	139,673	143,109	149,808
Bulgaria—			
Rock-salt .. .. .	—	3,919	4,043
Czechoslovakia—			
Rock-salt .. .. .	87,812	111,904	141,796
Brine-salt .. .. .	8,744	8,368	9,882
France—			
Rock-salt and brine-salt ..	1,617,405	1,315,300	1,571,699
Sea-salt .. .. .	460,225	(a)	(a)
Germany—			
Rock-salt .. .. .	1,934,799	2,232,974	2,361,770
Brine-salt .. .. .	471,973	525,550	501,614
Greece—			
Sea-salt .. .. .	88,309	102,730	(b) 57,661
Italy—			
Rock-salt .. .. .	66,542	65,794	66,126
Brine-salt .. .. .	233,775	289,545	270,171
Sea-salt .. .. .	453,833	675,136	553,090
Jugoslavia .. .. .	51,435	53,900	51,305
Netherlands .. .. .	34,894	37,439	40,815
Poland—			
Rock-salt .. .. .	215,549	239,637	261,832
Evaporated salt .. .. .	118,597	129,521	128,680
Brine-salt .. .. .	116,500	161,536	169,825
Portugal—			
Rock-salt .. .. .	54	21	(a)
Rumania .. .. .	338,628	322,847	337,365
Russia (years ended Sept. 30)			
Rock-salt .. .. .	560,032	731,922	} 2,286,563
Brine-salt .. .. .	223,922	277,810	
Evaporated salt .. .. .	324,976	335,766	
Lake-salt .. .. .	714,414	1,042,153	
Spain—			
Rock-salt .. .. .	116,708	109,088	(a)
Brine-salt and sea-salt ..	963,231	854,666	(a)
Switzerland .. .. .	76,047	77,026	78,719
Algeria—			
Rock-salt and sea-salt ..	42,534	36,353	10,802
Belgian Congo (estimated)	80	80	80
Egypt (exports) .. .. .	177,394	219,020	165,222
Eritrea (estimated) .. .. .	20,000	20,000	20,000
French Morocco .. .. .	1,200	(a)	(a)
French Somaliland .. .. .	31,474	16,381	28,272

## PRODUCTION OF SALT (Cont.)

Producing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
French West Africa (Mauritania) .. .. .	4,400	4,200	4,000
Tripoli (estimated) .. .. .	19,000	19,000	19,000
Tunis—			
Sea-salt .. .. .	130,978	(a)	(a)
Dutch West Indies (exports)	9,999	(a)	(a)
Mexico (estimated) .. .. .	66,000	66,000	66,000
United States—			
Rock-salt .. .. .	1,906,893	1,914,161	1,980,161
Brine-salt .. .. .	2,712,339	2,823,036	3,059,705
Evaporated salt .. .. .	1,962,554	2,020,562	2,169,687
Argentina (railway shipments)	95,128	(a)	(a)
Chile .. .. .	34,352	70,419	(a)
Colombia (estimated) .. .. .	29,000	29,000	29,000
Peru .. .. .	29,638	29,695	(a)
Venezuela (estimated) .. .. .	30,000	30,000	30,000
China, including Kwantung Peninsula (estimated) ..	2,000,000	2,000,000	2,000,000
Dutch East Indies—			
Government production ..	364,887	237,712	(a)
Native production .. .. .	10,286	9,772	(a)
Formosa .. .. .	133,059	111,600	(a)
French Indo-China—			
Sea-salt (exports) .. .. .	20,152	27,263	35,249
Japan (i) .. .. .	710,528	1,067,944	(a)
Philippine Islands—			
Brine-salt and sea-salt ..	23,695	65,616	(a)
Portuguese India (estimated)	12,000	12,000	12,000
Siam—			
Brine-salt .. .. .	22,920	24,325	25,039
Sea-salt .. .. .	100,765	89,209	92,408
Turkey (Anatolia) (estimated)	100,000	100,000	100,000
<b>Total .. .. .</b>	<b>20,000,000</b>	<b>21,000,000</b>	<b>22,000,000</b>
<b>WORLD'S TOTAL</b>	<b>24,000,000</b>	<b>25,000,000</b>	<b>26,000,000</b>

(a) Information not available,

(b) Sales.

(i) Excluding production from salt beds, which, although on government beach lands, have no fixed areas.

EXPORTS OF SALT  
(Domestic Produce)  
(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Table-salt .. .. .	5,543	6,145	5,479
Other salt .. .. .	290,200	350,407	332,191
Anglo-Egyptian Sudan—			
Salt .. .. .	2,462	2,794	2,855
Northern Rhodesia—			
Common salt and refined salt	24	16	15
Southern Rhodesia—			
Common salt and refined salt	763	870	659
Somaliland (Zeyla)—			
Sea-salt .. .. .	2,077	2,367	(a)
Tanganyika Territory—			
Salt .. .. .	1,833	1,508	2,754
Union of South Africa—			
Salt .. .. .	6,592	6,542	7,458
Canada—			
Salt .. .. .	1,040	1,082	2,616
West Indies—			
Sea-salt from—			
Bahamas (m) .. .. .	7,358	1,893	714
Grenada .. .. .	55	—	(a)
Leeward Islands (j) .. .. .	604	1,195	1,561
Turks and Caicos Islands (m)	53,958	27,923	50,043
Aden (including re-exports)—			
Salt .. .. .	190,098	185,075	206,765
British Malaya (including re-exports)—			
Salt .. .. .	16,020	15,820	20,463
India (including re-exports)—			
Salt .. .. .	83,426	86,687	88,478
Australia (including re-exports)—			
Rock-salt .. .. .	24	56	29
Refined salt .. .. .	(£639)	(£717)	(£658)
Other salt .. .. .	4,948	7,353	4,233
FOREIGN COUNTRIES			
Austria—			
Refined salt .. .. .	9	11	37
Belgium-Luxemburg E.U.—			
Common salt .. .. .	491	608	596
Refined salt .. .. .	814	221	302
Czechoslovakia—			
Refined salt, etc. .. .. .	128	—	4

(a) Information not available.

(j) Including inter-presidency trade.

(m) Converted from bushels at the rate of 28 bushels=one long ton.

EXPORTS OF SALT (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Denmark—			
Refined salt, etc. .. ..	93	61	24
France—			
Refined salt .. ..	25,937	18,656	22,091
Other salt .. ..	184,558	168,801	193,321
Germany—			
Rock-salt, sea-salt, etc. ..	784,790	834,074	866,192
Italy—			
Rock-salt and sea-salt ..	104,550	96,548	93,507
Jugoslavia—			
Common salt .. ..	59	31	30
Netherlands—			
Rock-salt .. ..	88	62	40
Common salt .. ..	187	38	31
Refined salt and waste ..	10,331	10,904	15,254
Norway—			
Salt .. ..	5	34	14
Poland—			
Refined salt .. ..	13,030	18,080	33,999
Other salt .. ..	5,116	2,721	2,060
Portugal—			
Common salt .. ..	48,624	48,769	(a)
Rumania—			
Rock-salt and sea-salt ..	103,994	57,509	(a)
Russia (years ended Sept. 30)—			
Salt .. ..	19,746	29,022	37,447
Spain (including re-exports)—			
Common salt .. ..	485,241	602,811	586,618
Sweden—			
Rock-salt .. ..	108	155	—
Sea-salt .. ..	1,778	1,871	987
Refined salt .. ..	82	87	76
Algeria—			
Rock-salt and sea-salt ..	12,448	22,444	(a)
Angola—			
Salt .. ..	968	3,370	(a)
Belgian Congo—			
Common salt .. ..	178	} 348	(a)
Refined salt .. ..	712		
Egypt—			
Common salt .. ..	177,394	219,020	165,222
French Guinea—			
Salt .. ..	9	9	7
French Somaliland—			
Salt .. ..	31,474	16,381	28,272
Madagascar—			
Sea-salt .. ..	561	(a)	(a)

EXPORTS OF SALT (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Mozambique—			
Salt .. .. .	2,136	2,834	(a)
Senegal—			
Sea-salt .. .. .	318	292	158
Tripoli—			
Salt .. .. .	8,810	(a)	(a)
Tunis (including re-exports)—			
Rock-salt and sea-salt ..	85,725	103,434	103,170
Martinique—			
Sea-salt .. .. .	19	(a)	(a)
Dutch West Indies—			
Salt .. .. .	9,999	(a)	(a)
Mexico—			
Salt .. .. .	1,055	410	2,488
United States—			
Salt .. .. .	141,882	137,350	129,818
Argentina—			
Common salt .. .. .	432	494	1,208
Refined salt .. .. .	13	23	15
Brazil—			
Salt .. .. .	3	41	59
Chile—			
Common salt .. .. .	436	61	18
Peru—			
Salt .. .. .	226	—	(a)
Venezuela—			
Sea-salt .. .. .	1,035	904	(a)
China—			
Common salt .. .. .	196,756	280,897	279,167
Refined salt .. .. .	5,717	17,150	34,028
French Indo-China—			
Sea-salt .. .. .	20,152	27,263	35,249
Formosa—			
Salt .. .. .	7,149	8,326	(a)
Japan—			
Salt .. .. .	58	35	(a)
Persia (including re-exports)			
( <i>l</i> )—			
Common salt .. .. .	1,330	719	938
Refined salt .. .. .	66	104	23
Philippine Islands—			
Salt .. .. .	9	5	26
Siam (including re-exports)—			
Salt .. .. .	38,776	41,972	59,694
Turkey—			
Salt .. .. .	22,350	25,539	(a)

(a) Information not available.

(b) Years ended March 20 of the year stated.

## IMPORTS OF SALT

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Refined salt.. .. .	1,146	288	807
Other salt .. .. .	106,356	110,747	94,949
Irish Free State—			
Refined salt.. .. .	3,458	4,189	2,661
Other salt .. .. .	25,523	35,051	33,491
Anglo-Egyptian Sudan—			
Salt .. .. .	290	287	175
Gambia—			
Salt .. .. .	1,995	2,348	2,527
Gold Coast—			
Refined salt.. .. .	14	18	18
Other salt .. .. .	5,881	8,956	5,523
Kenya and Uganda—			
Salt .. .. .	8,106	8,355	8,436
Mauritius—			
Salt .. .. .	2,629	2,163	781
Nigeria—			
Salt.. .. .	49,524	55,679	53,307
Nyasaland—			
Salt .. .. .	2,267	3,375	2,320
Northern Rhodesia—			
Common salt and refined salt	1,046	1,157	1,233
Southern Rhodesia—			
Common salt and refined salt	5,482	5,347	5,849
Seychelles—			
Salt .. .. .	62	90	466
Sierra Leone—			
Refined salt.. .. .	2	2	2
Other salt .. .. .	4,633	6,293	5,832
South-West Africa—			
Salt .. .. .	645	1,130	995
Tanganyika Territory—			
Salt .. .. .	2,409	1,966	2,589
Union of South Africa—			
Rock-salt .. .. .	800	2,198	1,816
Common salt and refined salt	1,763	1,787	1,642
Zanzibar—			
Salt .. .. .	2,242	1,149	1,368

IMPORTS OF SALT (*Cont.*)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE ( <i>Cont.</i> )			
Canada (total imports)—			
Salt for use of fisheries .. ..	74,937	55,448	66,243
Refined salt .. .. .	405	754	427
Other salt .. .. .	92,873	101,619	102,103
Newfoundland (total imports, year ended 30th June)—			
Salt in bulk .. .. .	62,668	50,319	62,495
Refined salt .. .. .	(£2,606)	(£1,852)	(£1,937)
British Honduras—			
Salt .. .. .	330	455	620
West Indies—			
Barbados—			
Common salt .. .. .	2,147	3,807	(a)
Refined salt .. .. .	(£7)	(£35)	(a)
Bermuda—			
Salt .. .. .	(£1,162)	(£1,210)	(£1,314)
Grenada—			
Salt .. .. .	631	272	828
Jamaica—			
Rock-salt .. .. .	406	290	(a)
Other salt .. .. .	6,371	5,616	8,262
Leeward Islands (k)—			
Salt .. .. .	(£523)	(£701)	(£645)
St. Lucia—			
Common salt .. .. .	301	480	433
Refined salt .. .. .	5	13	15/-
St. Vincent—			
Rock-salt .. .. .	329	374	488
Refined salt .. .. .	9	15	23
Trinidad and Tobago (total imports)—			
Rock-salt .. .. .	621	113	667
Refined salt, etc. . . .	2,510	2,668	2,764
British Guiana—			
Rock-salt .. .. .	1,342	1,020	386
Refined salt, etc. . . .	301	569	1,013
Aden (total imports)—			
Salt .. .. .	10	5	107
British Borneo—			
Brunei—			
Salt .. .. .	127	122	130
Sarawak—			
Salt .. .. .	2,783	3,042	3,165



## IMPORTS OF SALT (Cont.)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE (Cont.)			
British Malaya (total imports)—			
Salt .. .. .	57,459	60,985	66,547
Ceylon—			
Refined salt.. .. .	37	26	44
Other salt .. .. .	16,921	7,168	12,019
Cyprus—			
Refined salt.. .. .	4	4	7
India (total imports <i>by sea</i> )—			
Salt .. .. .	515,798	637,696	614,417
Palestine (total imports)—			
Salt .. .. .	10	48	(a)
Australia—			
Rock-salt .. .. .	4,931	6,869	4,792
Refined salt.. .. .	893	938	1,082
Other salt .. .. .	4,470	5,105	4,355
Fiji—			
Salt .. .. .	655	542	779
New Zealand—			
Rock-salt .. .. .	514	723	1,267
Other salt .. .. .	29,834	35,088	114,850
Solomon Islands—			
Salt .. .. .	—	9	8
Western Samoa—			
Salt .. .. .	(£296)	(£357)	(£330)
FOREIGN COUNTRIES			
Austria—			
Common salt .. .. .	9,255	7,201	6,523
Belgium-Luxemburg E.U.—			
Common salt .. .. .	219,859	220,000	252,245
Refined salt .. .. .	56,108	56,743	58,160
Bulgaria—			
Rock-salt .. .. .	25,931	22,878	(a)
Sea-salt .. .. .	672	35	(a)
Czechoslovakia—			
Common salt .. .. .	107,967	120,858	135,577
Refined salt.. .. .	12	7	6
Denmark—			
Rock-salt .. .. .	5,976	5,119	4,974
Refined salt, etc. .. .. .	70,262	74,860	76,025

(a) Information not available.

(b) Total imports, including inter-presidency trade.

IMPORTS OF SALT (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Estonia—			
Salt .. .. .	22,087	23,286	25,278
Finland—			
Common salt .. ..	75,901	80,447	78,729
France—			
Refined salt .. ..	258	420	1,287
Other salt .. ..	55,513	63,981	59,934
Germany—			
Rock-salt, sea-salt, etc. ..	9,257	9,761	24,231
Hungary—			
Salt .. .. .	87,686	69,749	85,502
Italy—			
Rock-salt and sea-salt ..	13,287	30,919	51,454
Jugoslavia—			
Rock-salt .. .. .	56,449	45,459	39,088
Sea-salt .. .. .	28,906	30,685	28,829
Latvia—			
Rock-salt .. .. .	20,404	19,258	} 36,736
Common salt .. ..	6,449	7,581	
Sea-salt .. .. .	4,016	133	
Refined salt.. .. .	161	243	
Lithuania—			
Crude salt .. .. .	1,271	66	198
Refined salt.. .. .	31,575	29,318	25,732
Netherlands—			
Rock-salt .. .. .	77,812	82,248	93,153
Other common salt .. ..	27,033	24,129	25,406
Refined salt and waste ..	5,450	6,460	5,894
Norway—			
Rock-salt .. .. .	22,155	41,276	41,188
Common salt .. .. .	131,040	168,497	159,471
Poland—			
Refined salt.. .. .	1,763	2,087	2,197
Other salt .. .. .	1,093	150	34
Portugal—			
Salt .. .. .	58	41	(a)
Rumania—			
Rock-salt and sea-salt ..	(a)	15	(a)
Russia (years ended Sept. 30)—			
Salt .. .. .	250	1,591	16
Spain (total imports)—			
Common salt .. .. .	24	31	13

## IMPORTS OF SALT (Cont.)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Sweden—			
Rock-salt .. .. .	44,733	61,426	52,058
Sea-salt .. .. .	38,168	44,775	31,087
Refined salt.. .. .	35,367	41,130	41,166
Switzerland—			
Rock-salt .. .. .	1,151	1	6
Other salt .. .. .	1,497	4,967	6,250
Algeria—			
Salt .. .. .	11,060	10,359	(a)
Angola—			
Salt .. .. .	19	53	(a)
Belgian Congo—			
Common salt .. .. .	2,335	14,229	6,814
Refined salt .. .. .	10,751		
Cameroon (French)—			
Salt .. .. .	4,433	(a)	(a)
Dahomey—			
Sea-salt and rock-salt .. .. .	3,042	5,252	3,904
Egypt—			
Common salt .. .. .	94	106	155
French Guinea—			
Salt .. .. .	1,388	6,183	5,554
French Sudan—			
Salt .. .. .	1,566	2,396	2,327
Ivory Coast—			
Rock-salt and sea-salt .. .. .	4,193	8,835	4,518
Liberia—			
Common salt .. .. .	973	2,222	(a)
Madagascar—			
Sea-salt .. .. .	2,987	1,380	337
Morocco—			
Sea-salt and rock-salt .. .. .	9,435	7,129	11,637
Mozambique—			
Salt .. .. .	94	163	(a)
Réunion—			
Sea-salt .. .. .	683	(a)	(a)
Senegal—			
Rock-salt and sea-salt .. .. .	1,713	2,071	2,451
Costa Rica (total imports)—			
Salt .. .. .	203	185	(a)
Cuba—			
Salt .. .. .	29,353	28,229	(a)
Mexico—			
Common salt .. .. .	6,010	6,263	(a)
Refined salt .. .. .	3,437	3,436	(a)

(a) Information not available.

## IMPORTS OF SALT (Cont.)

Importing Country and Description.	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Nicaragua—			
Salt .. .. .	300	314	338
United States—			
Salt .. .. .	54,221	42,788	37,522
Guadeloupe—			
Salt .. .. .	1,085	950	(a)
Argentina—			
Rock-salt .. .. .	1,407	1,196	2,187
Sea-salt .. .. .	64,393	59,181	40,872
Refined salt .. .. .	7,514	9,078	8,826
Bolivia—			
Common salt .. .. .	364	562	(a)
Refined salt .. .. .	4	12	(a)
Brazil (total imports)—			
Salt .. .. .	64,026	71,765	72,699
Chile—			
Common salt .. .. .	49	20	22
Refined salt .. .. .	73	109	141
Colombia—			
Refined salt .. .. .	1,199	(a)	(a)
Peru—			
Salt .. .. .	39	47	(a)
Uruguay—			
Sea-salt .. .. .	36,484	34,889	(a)
Dutch East Indies—			
Refined salt .. .. .	310	320	(a)
Other salt .. .. .	11,564	12,365	(a)
French Indo-China—			
Rock-salt and sea-salt .. .. .	820	411	(a)
Japan (total imports)—			
Salt .. .. .	189,839	214,947	223,690
Persia (total imports) (i)—			
Common salt .. .. .	6,684	5 67	6,852
Refined salt .. .. .	130	99	30
Philippine Islands—			
Salt .. .. .	156	236	236

(a) Information not available.

(i) Years ended March 20 of the year stated.

**SILVER**

## PRODUCTION OF SILVER ORE

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

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	41,350	46,705	32,775
Bechuanaland Protectorate	457	( <i>d</i> ) 157	( <i>d</i> ) 141
Gold Coast (estimated) ..	6,500	5,500	5,500
Kenya .. ..	536	516	113
Northern Rhodesia .. ..	43,965	18,344	88
Southern Rhodesia .. ..	110,024	113,241	103,802
South-West Africa ( <i>d</i> ) ..	274,347	375,814	239,835
Tanganyika Territory .. ..	796	918	1,562
Union of South Africa .. ..	981,333	1,011,736	1,031,376
Canada .. ..	22,371,924	22,736,698	21,936,407
British Guiana (estimated)	830	750	570
India .. ..	5,126,088	6,024,806	7,425,810
Federated Malay States (estimated) .. ..	1,300	1,040	1,650
Australia .. ..	10,308,866	11,607,206	9,593,876
New Zealand ( <i>m</i> ) .. ..	424,751	421,920	444,486
Papua (years ended June 30)	( <i>a</i> )	4,980	( <i>a</i> )
<b>Total .. ..</b>	<b>39,700,000</b>	<b>42,400,000</b>	<b>40,800,000</b>
<b>FOREIGN COUNTRIES</b>			
Austria .. ..	74,669	52,605	49,678
Czechoslovakia .. ..	754,637	1,043,525	1,103,003
France .. ..	304,075	310,000	( <i>a</i> )
Germany .. ..	5,358,958	5,293,433	5,220,839
Greece .. ..	270,226	306,736	262,530
Italy .. ..	805,914	754,040	485,529
Jugoslavia .. ..	45,010	53,800	( <i>a</i> )
Norway .. ..	415,272	327,384	381,376
Poland .. ..	270,414	189,910	223,025
Rumania .. ..	93,685	140,688	73,270
Russia (years ended Sept.30)	418,850	590,596	( <i>a</i> )
Spain .. ..	3,000,656	3,056,565	( <i>a</i> )
Sweden .. ..	80,375	180,490	68,447
Algeria .. ..	210,711	166,666	116,415
Mexico .. ..	106,051,983	104,573,919	108,537,307
United States .. ..	62,487,219	59,625,682	56,020,268
Central America (estimated)	2,000,000	2,000,000	2,000,000
Argentina (estimated) ..	15,000	15,000	15,000

*(a)* Information not available.*(d)* Years ended 31st March of the year following that stated.*(m)* Silver content of exports, excluding jewellers' sweepings.

## PRODUCTION OF SILVER ORE (Cont.)

Producing Country	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Bolivia (exports) .. ..	5,834,325	5,402,840	5,638,756
Brazil .. ..	20,672	20,000	(a)
Chile .. ..	3,251,481	1,504,476	(a)
Colombia .. ..	2,800	(a)	(a)
Ecuador (estimated) ..	92,000	88,000	(a)
Guiana (estimated) ..	8,000	8,000	(a)
Peru .. ..	21,270,697	20,973,245	(a)
Venezuela (estimated) ..	3,200	3,200	(a)
China (estimated) ..	130,000	100,000	(a)
Dutch East Indies ..	2,362,565	2,285,791	(a)
Formosa .. ..	14,410	18,078	(a)
French Indo-China ..	12,217	10,159	53,176
Japan .. ..	4,476,961	4,531,441	4,823,234
Korea .. ..	50,507	52,000	(a)
Turkey .. ..	225,050	225,100	(a)
Philippine Islands ..	45,793	31,194	(a)
New Caledonia .. ..	10,600	(a)	(a)
<b>Total ..</b>	<b>220,000,000</b>	<b>215,000,000</b>	<b>216,000,000</b>
<b>WORLD'S TOTAL</b>	<b>260,000,000</b>	<b>257,000,000</b>	<b>257,000,000</b>

(a) Information not available.

## EXPORTS OF SILVER\*

*(Domestic Produce)**(In terms of metal)*

(Troy ounces)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom (in- cluding re-exports)—			
Refined bullion ..	79,551,429	59,501,809	69,160,782
Southern Rhodesia—			
Concentrates .. ..	23,000	11,597	17,582
Bullion .. ..	96,244	96,256	85,507
Union of South Africa—			
Concentrates .. ..	64,000	44,314	11,213
Silver in pig-lead ..	—	2,658	—
Bullion .. ..	925,999	1,013,694	1,065,494
Canada—			
Ore, concentrates, etc.	5,890,280	5,445,117	6,815,691
Bullion .. ..	15,241,853	15,970,961	14,592,406
India (including re- exports)—			
Bullion .. ..	13,320,319	17,241,185	37,478,004
British Malaya (including re-exports)—			
Bullion .. ..	540,406	339,415	517,065
Australia (years ended June 30)—			
Ores .. ..	501,822	415,787	344,468
Concentrates .. ..	3,093,053	1,778,790	2,825,234
Bullion .. ..	7,588,673	7,676,539	7,455,322
New Zealand—			
Concentrates, sweep- ings, etc. .. ..	356	5,947	4,158
Bullion .. ..	424,751	421,411	441,653
FOREIGN COUNTRIES			
Austria—			
Bullion .. ..	356,865	192,900	713,730
Leaf .. ..	579	868	2,090

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

EXPORTS OF SILVER (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>BRITISH EMPIRE (<i>Cont.</i>)</b>			
Belgium-Luxemburg			
E. U.—			
Bullion .. ..	3,250,751	3,128,195	3,166,775
Czechoslovakia—			
Bullion .. ..	2,196,263	8,262	2,293,035
Denmark—			
Bullion, etc. .. ..	8,134	10,513	31,935
France—			
Ore .. .. .	—	—	17,300
Bullion .. .. .	482	5,738,454	11,158,783
Beaten, rolled or drawn	260,351	229,326	952,347
Germany—			
Bullion, etc. .. ..	9,890,690	5,471,158	8,430,469
Hungary—			
Bullion .. .. .	1,704	2,540	2,540
Italy—			
Bullion, etc. .. ..	325,133	371,976	126,189
Leaf .. .. .	8,198	1,511	—
Netherlands—			
Bullion, etc. .. ..	46,232	40,316	214,762
Norway—			
Scrap .. .. .	76,290	73,316	86,441
Poland—			
Bullion, etc. .. ..	5,709	17,879	8,906
Spain ( <i>c</i> )—			
Bullion .. .. .	116,000	1,876,000	1,342,000
Sweden—			
Bullion, etc. .. ..	224,986	159,303	144,289
Switzerland—			
Bullion .. .. .	276,747	158,789	494,338
Egypt—			
Bullion .. .. .	854,322	595,386	( <i>a</i> )
Mexico—			
Bullion .. .. .	93,743,259	104,573,855	108,537,307
Nicaragua—			
Bullion .. .. .	24	—	1,510
Concentrates .. ..	54,138	38,060	11,375
United States—			
Ore and base bullion	92,000	133,000	105,000
Refined bullion ..	118,238,869	106,151,908	109,988,251
Argentina—			
Ores .. .. .	2,000	—	( <i>a</i> )
Bars .. .. .	965	1,318	( <i>a</i> )
Bolivia—			
Ores .. .. .	5,834,325	5,402,840	5,638,756



EXPORTS OF SILVER (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES</b> ( <i>Cont.</i> )			
Chile—			
Ore (excluding mixed ore) .. .. .	104,000	85,000	51,000
Bullion .. .. .	302,093	230,000	226,000
Other silver .. .. .	5,500	—	—
Colombia—			
Auriferous silver ..	43,981	(a)	(a)
Silver bars, some con- taining gold ..	22,280	(a)	(a)
Honduras—			
Bullion .. .. .	2,457,582	2,241,216	(a)
Peru—			
Ores, concentrates, etc.	9,000,076	5,490,492	(a)
Base metals .. .. .	14,470,432	13,363,947	(a)
Other silver .. .. .	556,832	5,480	(a)
China (c)—			
Bullion .. .. .	12,858,000	8,452,000	2,336,000
Dutch East Indies—			
Bullion .. .. .	1,558,405	2,395,822	1,760,464
Japan (c)—			
Bullion .. .. .	2,644,559	11,227,893	2,652,751

(a) Information not available.

(c) Including re-exports.

## IMPORTS OF SILVER \*

*(Less Re-exports).**(In terms of metal)*

(Troy ounces)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom (total imports)—			
Unrefined bullion .. .. .	3,103,873	1,960,907	9,640,360
Refined bullion .. .. .	73,083,382	53,944,056	62,885,058
Gold Coast—			
Bullion .. .. .	—	608	—
Kenya and Uganda—			
Bullion .. .. .	1,484	3,861	599
Nigeria—			
Bullion .. .. .	5,085	13,829	9,555
Sierra Leone—			
Bullion .. .. .	217	767	1,334
Union of South Africa (total imports)—			
Bullion .. .. .	639	810	477
Canada—			
Bullion .. .. .	1,741,656	1,700,596	1,812,807
British Guiana—			
Bullion .. .. .	2,333	726	1,300
Ceylon—			
Bullion .. .. .	255,751	290,177	234,124
Cyprus—			
Bullion .. .. .	1,162	5,016	6,052
India (total imports)—			
Bullion .. .. .	122,418,983	116,534,424	113,143,379
British Malaya (total imports)—			
Bullion .. .. .	712,678	541,865	641,280
Australia (years ended June 30)—			
Matte .. .. .	11,092	2,713	7,116
Bullion .. .. .	23,140	29,072	40,559
Fiji—			
Bullion .. .. .	8,000	6,190	4,497
New Zealand—			
Bullion .. .. .	7,274	7,215	5,679

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
Austria—			
Bullion .. .. .	5,095,775	6,388,205	3,510,780
Leaf .. .. .	2,508	2,809	5,562
Belgium-Luxemburg E.U.—			
Bullion .. .. .	534,751	102,880	906,630
Czechoslovakia—			
Bullion .. .. .	33,340	162,454	561,500
Denmark—			
Bullion, etc. .. ..	1,040,985	1,229,867	1,317,443
Finland—			
Bullion, etc. .. ..	242,288	271,953	406,505
France—			
Ore .. .. .	50	—	—
Bullion .. .. .	4,321,732	2,553,578	1,481,826
Beaten, rolled or drawn ..	112,782	73,109	149,208
Germany—			
Ore .. .. .	94,000	97,000	74,000
Scrap .. .. .	8,567,975	11,326,445	13,927,380
Bullion .. .. .	12,626,430	15,394,738	8,464,034
Greece—			
Bullion .. .. .	193	—	386
Hungary—			
Bullion .. .. .	(a)	(a)	17,425
Italy—			
Bullion, etc. .. ..	806,129	1,771,722	2,080,780
Leaf .. .. .	8,744	6,559	6,012
Jugoslavia—			
Bullion, etc. .. ..	868	2,829	2,605
Lithuania—			
Crude silver .. ..	100	450	(a)
Netherlands—			
Bullion, etc. .. ..	590,210	581,401	2,813,543
Norway—			
Sheets and wire .. ..	289,864	330,791	336,803
Poland—			
Bullion, etc. .. ..	17,692	73,881	321,789
Portugal—			
Bullion .. .. .	35,719	7,812	(a)

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

(a) Information not available.

IMPORTS OF SILVER (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Rumania—			
Bullion, etc. .. ..	16,975	(a)	(a)
Spain (total imports)—			
Bullion .. .. .	16,000	7,000	136,000
Sweden—			
Bullion, etc. .. ..	849,628	1,002,084	968,358
Switzerland—			
Bullion .. .. .	1,118,531	1,446,332	1,847,532
Egypt—			
Bullion .. .. .	1,244,141	1,316,639	1,786,479
French West Africa—			
Bullion, etc. .. ..	6,752	1,543	3,215
Tunis—			
Beaten, drawn or rolled	150,412	108,167	69,283
United States—			
Ore and base bullion ..	79,519,000	60,830,000	65,889,000
Refined bullion .. ..	34,289,759	14,203,427	49,092,705
Argentina—			
Bullion .. .. .	61,567	76,581	(a)
Leaf .. .. .	257	161	(a)
Brazil (total imports)—			
Bullion, etc. .. ..	15,472	22,958	29,191
Chile—			
Bullion .. .. .	644,000	—	806,000
Colombia—			
Bullion .. .. .	38,628	(a)	(a)
Peru—			
Bullion, etc. .. ..	1,442,538	—	(a)
China (total imports)—			
Bullion .. .. .	98,525,000	97,899,000	139,407,000
Dutch East Indies—			
Bullion .. .. .	538,675	536,127	983,464
French Indo-China—			
Beaten, drawn or rolled	900	383,000	161,000
Japan (total imports)—			
Bullion .. .. .	581,168	6,638,527	1,818,345
Persia (total imports) ( <i>k</i> )—			
Bullion .. .. .	2,285,000	4,277,000	(a)
Turkey—			
Bullion, etc. .. ..	3,762	1,350	(a)

(a) Information not available.

(k) Years ended March 21 of the year stated.

## ABSORPTION OF NEW SILVER IN COINAGE.

(Troy ounces)

*(Compiled from statistics supplied by the Government of the country concerned.)*

Country	Silver ingots purchased in the market and bearing refiner's mark			Silver withdrawn from coinage and sold on the market		
	1926	1927	1928	1926	1927	1928
United Kingdom	Nil	Nil	Nil	694,444	2,787,597	6,602,994
Union of South Africa .. ..	Nil	Nil	Nil	(f)	(f)	(f)
Canada .. ..	Nil	Nil	Nil	Nil	Nil	Nil
India .. ..	337,191	Nil	Nil	Nil	9,196,840	(e) Nil
Australia .. ..	464,670	1,742,459	853,420	3,800	6,599	Nil
Austria .. ..	5,010,288	Nil	Nil	Nil	Nil	Nil
Belgium .. ..	Nil	Nil	Nil	Nil	Nil	7,195,047
Bulgaria .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Czechoslovakia ..	(a)	(a)	(a)	(a)	(a)	(a)
Denmark .. ..	Nil	Nil	Nil	880,749	532,661	269,128
Estonia .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Finland .. ..	Nil	Nil	Nil	Nil	Nil	208
France .. ..	5,386,174	3,218,012	1,625,179	(d) Nil	(d) Nil	(d) Nil
Germany .. ..	(b)	(b)	(b)	Nil	Nil	Nil
Greece .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Hungary .. ..	2,030,152	1,490,306	Nil	Nil	Nil	Nil
Italy(c) .. ..	1,194,641	25,852,084	5,439,269	(a)	(a)	(a)
Jugoslavia .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Latvia .. ..	Nil	Nil	Nil	24,399	20,380	6,440
Lithuania .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Netherlands .. ..	41,712	127,265	1,013,615	Nil	Nil	Nil
Norway .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Poland .. ..	Nil	Nil	6,510,375	Nil	Nil	1,205,625
Portugal .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Rumania .. ..	(a)	(a)	(a)	(a)	(a)	(a)
Russia .. ..	(a)	(a)	(a)	(a)	(a)	(a)
Spain .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Sweden .. ..	Nil	160,838	64,410	Nil	Nil	Nil
Switzerland .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Liberia .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Costa Rica .. ..	Nil	Nil	Nil	Nil	Nil	Nil

(a) Information not available.

(b) The greater part of the silver coinage struck during these years was made from old coins no longer in currency.

(c) Weight of pure silver in coins issued during these years.

(d) The Silver Market report large sales of demonetised silver during these years through the Bank of France and private sources.

(e) Not including sales of unrefined silver.

(f) Not including sales by the East and West African Currency Boards, 1926, 412,958—1927, 570,786—1928, 399,621 fine ounces.

## ABSORPTION OF NEW SILVER IN COINAGE (Cont.)

(Troy ounces)

Country	Silver ingots purchased in the market and bearing refiner's mark			Silver withdrawn from coinage and sold on the market		
	1926	1927	1928	1926	1927	1928
Cuba .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Guatemala ..	(a)	(a)	(a)	(a)	(a)	(a)
Honduras ..	Nil	Nil	Nil	Nil	Nil	Nil
Haiti .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Mexico (d) ..	11,341,748	2,168,968	483,407	(a)	(a)	(a)
Nicaragua ..	(a)	(a)	(a)	Nil	Nil	Nil
Panama .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Salvador ..	Nil	Nil	Nil	Nil	Nil	Nil
United States (silver receipts at mint) ..	(b) 6,105,889	(b) 3,258,807	(b) 960,507	Nil	Nil	Nil
Argentina ..	Nil	Nil	Nil	Nil	Nil	Nil
Bolivia .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Brazil .. ..	230,637	129,551	160,307	Nil	Nil	Nil
Chile .. ..	Nil	1,432,071	(a)	Nil	Nil	Nil
Colombia ..	(a)	(a)	(a)	44,510	41,249	63,402
Ecuador .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Peru .. ..	Nil	Nil	41,272	Nil	Nil	Nil
Paraguay ..	Nil	Nil	Nil	Nil	Nil	Nil
Uruguay .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Venezuela ..	(a)	(a)	(a)	(a)	(a)	(a)
China (c) (d) ..	22,084,000	(a)	119,876,000	(a)	(a)	(a)
Japan .. ..	Nil	Nil	Nil	103,898	Nil	57,066
Persia .. ..	1,282,821	1,438,658	1,314,159	Nil	Nil	Nil
Siam .. ..	Nil	Nil	Nil	Nil	Nil	Nil
Turkey .. ..	Nil	Nil	Nil	Nil	Nil	Nil

(a) Information not available.

(b) Not including silver contained in gold deposits—about 3,000,000 ounces in each year.

(c) Weight of pure silver in coins issued during these years.

(d) Figures represent the amount of pure silver stated to be used in coinage.

(e) Coinage at Tientsin, Nanking and Wuchang mints.

## STRONTIUM MINERALS

## PRODUCTION OF STRONTIUM MINERALS

(Long tons)

Producing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom— Celestite (exports) .. ..	2,126	4,052	4,795
FOREIGN COUNTRIES			
Germany (Prussia)— Strontianite .. .. .	(a)	710	857

(a) Information not available.

## EXPORTS OF STRONTIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom— Celestite .. .. .	2,126	4,052	4,795
FOREIGN COUNTRIES			
Czechoslovakia— Strontium nitrate .. ..	—	—	134
France— Strontium compounds ..	2	2	1
Germany— Strontium compounds ..	1,297	1,214	330
Celestite and barytes ..	726	3,730	30

## IMPORTS OF STRONTIUM MINERALS, ETC.

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
Czechoslovakia—			
Strontium nitrate .. ..	1	2	1
France—			
Strontium compounds ..	16	8	11
Germany—			
Strontium compounds ..	—	310	—
Italy—			
Strontium compounds <sup>(b)</sup> ..	4	5	11
Poland—			
Strontianite and celestite ..	<i>6 cwt.</i>	<i>2 cwt.</i>	2
United States—			
Strontianite and celestite ..	1,964	1,210	678
Strontium compounds ..	462	683	833
Chile—			
Strontium compounds ..	1	—	1
Colombia—			
Strontium compounds ..	<i>9 cwt.</i>	<i>(a)</i>	<i>(a)</i>

*(a)* Information not available.*(b)* Excluding nitrate of strontium.



**SULPHUR****PRODUCTION OF SULPHUR**

(Long tons)

Producing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom, and Irish Free State—			
Spent oxide (j) .. ..	128,600	155,500	174,000
New Zealand—			
Sulphur .. ..	594	469	719
<b>FOREIGN COUNTRIES</b>			
France—			
Sulphur rock .. ..	1,350	(a)	(a)
Greece—			
Sulphur rock .. ..	2,405	2,394	299
Refined sulphur .. ..	222	245	25
Italy—			
Crude sulphur—			
Fused .. ..	267,107	300,888	291,430
Ground .. ..	33,088	23,487	31,051
Spain—			
Sulphur rock .. ..	63,842	74,632	(a)
Refined sulphur .. ..	19,147	19,491	(a)
United States—			
Crude sulphur .. ..	1,890,027	2,111,618	1,981,873
Chile—			
Sulphur rock .. ..	8,785	12,303	7,000
China—			
Sulphur (estimated) .. ..	5,500	5,500	5,500
Dutch East Indies—			
Sulphur .. ..	(a)	348	(a)
Formosa—			
Sulphur rock .. ..	3,110	2,284	(a)
Japan—			
Sulphur rock .. ..	46,545	16,505	13,109
Refined sulphur .. ..	47,020	60,371	68,962
Turkey—			
Sulphur .. ..	(a)	49	(a)

(a) Information not available.

(j) Consumed by the sulphuric acid industry. Average sulphur content was approximately as follows :—

1926	..	48.7	per cent.
1927	..	49.2	„ „
1928	..	48.8	„ „

EXPORTS OF SULPHUR  
(Domestic Produce)  
(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	324	313	484
British Malaya (including re-exports) .. ..	14	55	37
FOREIGN COUNTRIES			
Austria.. .. .	108	97	74
Belgium-Luxemburg E.U. ..	3,870	3,902	3,367
Czechoslovakia .. ..	57	22	9
France—			
Crude .. .. .	12,133	34,904	26,077
Refined lump .. ..	1,649	685	2,286
Flowers of sulphur.. ..	13,399	13,156	12,838
Precipitated sulphur ..	176	33	103
Germany .. .. .	56,253	47,405	65,240
Italy—			
Crude lump .. .. .	117,022	149,058	131,751
Crude ground .. ..	12,322	8,483	15,017
Refined lump .. ..	19,140	22,888	19,250
Refined ground .. ..	15,768	22,242	15,187
Flowers of sulphur ..	5,572	7,666	8,106
Netherlands—			
Refined .. .. .	1	13	39
Poland .. .. .	2	—	—
Spain (including re-exports)..	62	46	86
Sweden .. .. .	20	7	2

EXPORTS OF SULPHUR (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
United States—			
Sulphur .. .. .	576,966	789,371	685,260
Flowers of sulphur .. .. .	5,358	13,512	41,986
Chile—			
Refined .. .. .	120	466	429
Dutch East Indies .. .. .	12	12	3
Formosa .. .. .	410	665	244
Japan .. .. .	4,011	3,796	5,238

(a) Information not available.

## IMPORTS OF SULPHUR

(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	75,089	113,302	92,413
Malta—			
Flowers of sulphur .. ..	99	67	75
Mauritius .. .. .	1,360	1,340	1,215
Northern Rhodesia .. ..	—	1	271
Southern Rhodesia—			
Flowers of sulphur .. ..	3	4	3
South-West Africa .. ..	4	2	13
Union of South Africa (total imports)—			
Rock-sulphur .. .. .	14,513	13,404	14,140
Flowers of sulphur .. ..	5,357	574	966
British Guiana .. .. .	—	41	—
Canada .. .. .	164,398	158,648	163,628
Newfoundland (years ended June 30) .. .. .	6,290	6,972	7,937
British Malaya (total imports)	339	181	329
Ceylon .. .. .	98	124	81
Cyprus .. .. .	243	128	352
India (total imports <i>by sea</i> ) ..	17,658	17,957	17,227
Palestine (total imports) ..	38	96	(a)
Australia .. .. .	63,462	106,437	97,483
Fiji .. .. .	4	5	6
New Zealand .. .. .	24,802	30,786	34,447
FOREIGN COUNTRIES			
Austria .. .. .	10,360	15,962	13,680
Belgium-Luxemburg E.U. ..	9,490	11,357	10,451
Bulgaria .. .. .	108	263	(a)
Czechoslovakia—			
Sulphur .. .. .	5,605	7,021	7,598
Flowers of Sulphur .. ..	238	263	142
Denmark .. .. .	279	476	341
Estonia—			
Crude .. .. .	1,375	2,990	5,670
Refined .. .. .	16	23	19
Finland .. .. .	42,288	48,584	53,867
France—			
Crude .. .. .	474,434	229,990	154,050
Refined lump .. .. .	105	2,291	2,160
Flowers of sulphur .. ..	540	1,468	883
Precipitated .. .. .	8	5	11

IMPORTS OF SULPHUR (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Germany .. .. .	72,790	92,079	103,204
Greece .. .. .	6,526	10,659	12,086
Hungary .. .. .	1,217	1,881	1,923
Italy .. .. .	226	18	21
Jugoslavia—			
Crude .. .. .	315	392	351
Refined .. .. .	3,262	2,976	2,167
Latvia .. .. .	2,228	1,907	2,468
Lithuania .. .. .	693	23	16
Netherlands—			
Refined .. .. .	1,246	1,371	1,424
Other .. .. .	1,515	858	946
Norway .. .. .	14,628	16,220	14,568
Poland—			
Crude .. .. .	1,007	548	486
Refined .. .. .	642	1,281	1,183
Flowers of sulphur .. .. .	52	54	98
Portugal—			
Crude .. .. .	13,225	5,253	(a)
Flowers of sulphur .. .. .	7,237	6,263	(a)
Rumania—			
Crude .. .. .	639	534	(a)
Refined .. .. .	1,513	(a)	(a)
Russia (years ended Sept. 30) ..	8,753	11,350	53
Spain (total imports)—			
Crude, unground .. .. .	8,389	16,008	13,572
Refined, unground .. .. .	107	280	163
Ground, and flowers of sulphur .. .. .	1,417	2,498	(a)
Sweden .. .. .	72,934	72,437	61,846
Switzerland—			
Refined .. .. .	4,172	4,553	5,234
Flowers of sulphur .. .. .	432	357	498
Algeria .. .. .	24,561	29,044	28,315
Angola .. .. .	8	8	(a)
Belgian Congo .. .. .	9	604	53
Egypt .. .. .	1,574	1,737	1,706
Morocco .. .. .	268	243	368
Mozambique .. .. .	41	95	(a)
Tunis—			
Crude .. .. .	684	3,901	4,451
Refined .. .. .	1,113	695	554
Costa Rica (total imports) ..	8	12	(a)

(a) Information not available.

## IMPORTS OF SULPHUR (Cont.)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Guadeloupe .. .. .	80	72	(a)
Mexico .. .. .	12,121	19,451	(a)
Salvador .. .. .	(a)	42	(a)
United States—			
Sulphur ore and sulphur ..	226	3,507	4,887
Argentina—			
Crude .. .. .	13,443	12,312	10,963
Refined .. .. .	663	585	4,416
Bolivia .. .. .	—	34	(a)
Brazil (total imports) ..	3,680	6,485	9,651
Chile—			
Refined .. .. .	258	104	167
Colombia—			
Flowers of sulphur ..	83	(a)	(a)
Peru .. .. .	261	181	(a)
Uruguay .. .. .	1,258	1,885	2,469
China .. .. .	3,845	2,860	4,436
Dutch East Indies (total imports) .. .. .	11,680	15,817	(b) 8,834
French Indo-China .. .. .	157	108	320
Turkey .. .. .	1,198	739	(a)

(a) Information not available.

(b) Java and Madura only..

## TALC.

## PRODUCTION OF TALC

(Long tons).

Producing Country.	1926	1927	1928
BRITISH EMPIRE.			
United Kingdom .. ..	—	—	161
Union of South Africa ..	41	344	518
Canada (sales) .. ..	14,077	14,751	13,326
India .. ..	9,674	5,053	5,539
Australia .. ..	911	1,069	1,327
FOREIGN COUNTRIES.			
Austria (exports) .. ..	13,642	16,864	19,443
France .. ..	74,544	(a)	(a)
Germany .. ..	3,772	6,280	(a)
Greece .. ..	149	210	30
Italy .. ..	42,355	32,400	32,469
Norway .. ..	7,488	7,487	7,698
Rumania (d) .. ..	480	860	2,130
Russia (years ended Sept. 30) .. ..	2,948	2,085	2,717
Spain (b) .. ..	3,800	4,280	(a)
Sweden .. ..	2,876	3,420	4,799
United States (sales) (c) ..	162,114	171,711	181,229
Uruguay (exports) .. ..	883	1,085	(a)
Japan .. ..	(a)	59,000	(a)

(a) Information not available.

(b) In addition the following were quarried : 859 cubic yards in 1926, 433 cubic yards in 1927.

(c) Excluding steatite, which is not available for publication.

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

## EXPORTS OF TALC

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. .. .	88	120	88
Canada .. .. .	9,664	9,557	9,773
FOREIGN COUNTRIES			
Austria .. .. .	13,642	16,864	19,443
Belgium-Luxemburg E. U. ..	152	522	178
Czechoslovakia .. .. .	58	44	136
Denmark .. .. .	3	—	—
France .. .. .	30,141	30,384	37,314
Germany .. .. .	429	646	709
Greece .. .. .	132	225	146
Italy .. .. .	18,448	17,939	20,454
Norway .. .. .	4,701	6,927	6,423
Poland .. .. .	12	—	—
Rumania .. .. .	7	—	(a)
Spain .. .. .	1,969	(a)	(a)
Sweden .. .. .	33	108	21
Morocco (French Zone) ..	470	—	(a)
Uruguay .. .. .	883	1,185	(a)

(a) Information not available.



## IMPORTS OF TALC

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. .. .	13,068	15,240	13,679
Canada .. .. .	3,762	4,382	4,840
FOREIGN COUNTRIES			
Austria .. .. .	254	439	240
Belgium-Luxemburg E.U. ..	3,165	3,997	4,746
Czechoslovakia .. .. .	1,624	1,726	1,983
Denmark .. .. .	921	1,069	1,013
Estonia .. .. .	81	70	158
Finland .. .. .	1,703	1,641	984
France .. .. .	4,521	2,523	4,805
Germany .. .. .	14,174	20,652	23,224
Jugoslavia .. .. .	403	343	339
Latvia .. .. .	48	24	60
Lithuania .. .. .	58	65	37
Poland .. .. .	873	1,646	1,905
Rumania .. .. .	1,229	962	(a)
Russia (years ended Sept. 30)	804	317	3
Sweden .. .. .	3,768	2,806	3,096
Egypt .. .. .	905	1,289	1,369
Tunis .. .. .	529	511	431
United States .. .. .	21,738	22,431	24,114
Argentina .. .. .	1,019	1,171	1,128
Chile .. .. .	119	159	75
Peru .. .. .	76	67	(a)
Formosa .. .. .	16	29	(a)
French Indo-China .. .. .	106	22	(a)
Japan (total imports) .. ..	28,721	27,330	30,225
Turkey .. .. .	176	108	(a)

(a) Information not available.

## TIN

## PRODUCTION OF TIN ORE

*(In terms of metal)*

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	2,327	2,593	2,761
Nigeria .. .. .	7,417	8,056	9,132
Southern Rhodesia .. ..	14	23	7
South-West Africa .. ..	131	147	161
Swaziland .. .. .	133	106	130
Tanganyika Territory .. ..	18	36	37
Uganda .. .. .	—	80	186
Union of South Africa .. .	1,111	1,147	1,249
India .. .. .	2,484	2,447	1,946
Federated Malay States (exports) .. .. .	45,947	52,179	61,935
Unfederated Malay States (exports) .. .. .	1,777	2,047	2,689
Straits Settlements .. ..	2	68	(a)
Australia .. .. .	2,860	3,144	2,890
<b>Total .. .. .</b>	<b>64,200</b>	<b>72,000</b>	<b>83,200</b>
<b>FOREIGN COUNTRIES</b>			
Czechoslovakia .. .. .	21	32	26
France .. .. .	25	(a)	(a)
Portugal .. .. .	800	700	(a)
Spain .. .. .	47	150	(a)
Belgian Congo .. .. .	1,255	872	784
French Morocco .. .. .	5	5	(a)
Portuguese East Africa .. .	8	(a)	(a)
Mexico .. .. .	2	—	(a)
United States .. .. .	7	24	41
Argentina (exports) .. ..	3	8	(a)
Bolivia (exports) .. .. .	30,060	35,808	41,410
China .. .. .	6,800	6,000	6,700
Dutch East Indies .. .. .	33,006	33,934	34,943
French Indo-China .. .. .	593	699	797
Japan (smelter) .. .. .	537	669	753
Siam .. .. .	7,487	7,584	7,572
<b>Total .. .. .</b>	<b>81,000</b>	<b>86,000</b>	<b>94,000</b>
<b>WORLD'S TOTAL</b>	<b>145,000</b>	<b>158,000</b>	<b>177,000</b>

(a) Information not available.

## SMELTER PRODUCTION OF TIN

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom (estimated) .. .. .	42,000	43,000	50,000
British Malaya (exports) ..	76,334	83,773	99,052
Australia .. .. .	3,188	2,989	3,133
<b>Total ..</b>	<b>122,000</b>	<b>130,000</b>	<b>152,000</b>
<b>FOREIGN COUNTRIES</b>			
Belgium (estimated) ..	900	900	900
France .. .. .	280	500	500
Germany .. .. .	2,271	6,138	7,000
Italy .. .. .	79	89	(a)
Portugal .. .. .	1	3	(a)
Mexico .. .. .	4	—	(a)
United States (b) .. .. .	303	—	—
China (exports) .. .. .	6,508	6,220	6,813
Dutch East Indies (exports)	16,386	15,560	13,970
French Indo-China ..	328	(a)	(a)
Japan .. .. .	537	669	753
Siam (exports less imports)	201	44	(a)
<b>Total ..</b>	<b>28,000</b>	<b>30,000</b>	<b>30,000</b>
<b>WORLD'S TOTAL</b>	<b>150,000</b>	<b>160,000</b>	<b>182,000</b>

(a) Information not available.

(b) Secondary tin recovered as metal and in alloys and chemical compounds was as follows—

1926 ..	29,821 long tons.
1927 ..	32,946 " "

EXPORTS OF TIN  
(Domestic Produce)

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Ore and concentrates ..	379	1,800	2,040
Blocks, ingots, bars and slabs	27,419	27,144	23,466
Soft solder .. .. .	1,876	2,482	2,952
Tin-foil .. .. .	411	366	232
Nigeria—			
Ore .. .. .	10,562	10,926	13,070
Southern Rhodesia—			
Ore .. .. .	29	12	10
South-West Africa—			
Ore .. .. .	229	221	237
Tanganyika—			
Ore and concentrates ..	45	34	52
Uganda—			
Ore .. .. .	—	115	275
Union of South Africa—			
Ore and concentrates ..	1,907	1,964	1,942
India (by sea)—			
Ore .. .. .	1,939	2,232	2,284
Blocks, ingots, bars and slabs	644	1,201	684
British Malaya (including re- exports)—			
Ore .. .. .	2	2	—
Tin .. .. .	76,334	83,773	99,052
Australia—			
Ore, dross etc. ( <i>tin content</i> )	45	258	580
Ingots .. .. .	1,751	1,482	1,560
FOREIGN COUNTRIES			
Austria—			
Crude tin, alloys and scrap	479	605	175
Belgium-Luxemburg E.U.—			
Ore .. .. .	19	32	44
Ingots, pigs, etc. .. ..	1,061	639	571
Sheets, wire, etc. .. ..	105	131	113

(a) Information not available.

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Czechoslovakia—			
Crude tin, scrap and alloys	201	120	107
Denmark—			
Blocks, bars and scrap ..	1	6	18
Tin-foil .. .. .	1	1	1
France—			
Ore .. .. .	127	275	214
Scrap .. .. .	908	829	540
Pigs, bars, etc. .. ..	529	778	773
ditto (alloyed) .. ..	363	479	301
Sheets, wire, etc., and alloyed .. .. .	218	179	125
Germany—			
Ingots, bars and scrap ..	4,413	5,823	5,715
Tin-foil .. .. .	371	316	274
Hungary .. .. .	7	15	19
Italy—			
Ingots, bars, scrap and alloyed .. .. .	188	276	216
Sheets .. .. .	63	40	57
Netherlands—			
Blocks .. .. .	30	17	6
Sheets, wire, scrap, etc. ..	203	73	47
Norway—			
Blocks, etc. .. .. .	86	89	97
Poland .. .. .	34	7	27
Portugal—			
Ore .. .. .	1,293	1,161	(a)
Rumania—			
Ore and scrap .. .. .	(a)	16	(a)
Spain (including re-exports)..	15	36	35
Sweden—			
Crude tin and scrap ..	119	81	108
Switzerland—			
Pigs, bars and slabs ..	27	21	23
Tin-foil .. .. .	468	467	527
Scrap .. .. .	66	117	78
Belgian Congo—			
Ore .. .. .	1,600	1,199	1,078
Egypt—			
Ingots .. .. .	2	3	2
Morocco (French Zone)—			
Ore .. .. .	8	14	97

EXPORTS OF TIN (*Cont.*)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Mexico .. .. .	2	(a)	(a)
United States—			
Blocks, pigs and bars ..	674	1,010	355
Argentina—			
Ore .. .. .	4	11	43
Bolivia—			
Ores, concentrates, etc. ( <i>tin content</i> ) .. .. .	30,060	35,808	41,410
Chile—			
Ore .. .. .	110	—	—
Ingots .. .. .	3	—	—
Peru .. .. .	14	1	(a)
China—			
Ingots and slabs .. ..	6,508	6,220	7,032
Tin-foil .. .. .	21	22	33
Dutch East Indies (including re-exports)—			
Ore .. .. .	20,937	24,737	26,461
Ingots and scrap .. ..	16,386	15,560	13,970
French Indo-China—			
Ore .. .. .	10	64	—
Tin-tungsten ore .. ..	496	522	896
Ingots .. .. .	288	301	285
Japan—			
Tin-foil .. .. .	213	108	136
Siam (including re-exports)—			
Ore .. .. .	10,081	10,461	(a)
Tin .. .. .	201	44	(a)

(a) Information not available.

IMPORTS OF TIN  
(Less Re-exports)

(Long tons)

Importing Country and Description	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom—			
Ore and concentrates ..	62,172	63,975	81,317
Blocks, ingots, bars and slabs	5,015	9,275	8,634
Soft solder .. .. .	431	319	2
Tin-foil .. .. .	731	399	283
Irish Free State—			
Ingots, bars, slabs, etc. ..	27	19	15
Soft solder .. .. .	104	107	126
Kenya and Uganda—			
Bar, plate, or sheet ..	805	930	958
Mauritius—			
Slabs .. .. .	8	6	8
Plates and sheets .. ..	49	76	117
Southern Rhodesia (total imports)—			
Blocks, ingots and bars ..	18	18	53
Plates and sheets .. ..	2	2	1
South-West Africa—			
Bar, sheet, etc. .. .. .	2	8	3
Union of South Africa (total imports)—			
Blocks, ingots and bars ..	1,535	712	556
Plates and sheets .. ..	4	18	—
Tin-foil .. .. .	31	30	17
Canada—			
Blocks, pigs and bars ..	2,280	2,158	2,392
Tin-foil .. .. .	136	69	46
Jamaica—			
Ingots .. .. .	(£398)	(£987)	(a)
British Malaya (total imports)—			
Ore .. .. .	36,891	42,254	44,389
Tin .. .. .	198	51	3
Ceylon—			
Ingots, slabs, plates, etc. ..	63	70	65
Cyprus—			
Ingots and bars .. .. .	6	8	6
Plates .. .. .	9	15	15
India (total imports by sea)—			
Blocks, ingots, bars and slabs	2,555	3,026	2,816
Wrought tin .. .. .	13	11	10

(a) Information not available.

IMPORTS OF TIN (*Cont.*)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE— <i>cont.</i>			
Palestine (total imports)—			
Ingots, bars, sheets, etc. ..	89	27	167
Australia—			
Ores .. .. .	25	8	—
Ingots .. .. .	29	43	70
New Zealand—			
Ingots, etc. .. .. .	267	289	254
Tin-foil .. .. .	19	14	17
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	10	—	—
Crude tin, alloys and scrap	1,265	1,320	1,346
Belgium-Luxemburg E.U.—			
Ore .. .. .	1,193	1,491	1,451
Ingot, pigs, scrap, etc. ..	852	1,015	995
Sheets, wire, etc. .. ..	51	84	100
Bulgaria—			
Bars, sheets and plates ..	155	181	(a)
Czechoslovakia—			
Crude tin, scrap, and alloys	1,359	1,610	1,647
Tin-foil .. .. .	8	10	14
Denmark—			
Blocks, bars and scrap ..	458	491	508
Sheets .. .. .	9	11	12
Tin-foil .. .. .	37	30	34
Estonia—			
Bars and sheets .. ..	19	25	28
Finland—			
Ingots, bars, scrap, etc. ..	198	194	239
Tin solder .. .. .	13	24	21
France—			
Ore .. .. .	488	1,060	1,232
Scrap .. .. .	21	24	27
Pigs, bars, etc. .. ..	10,998	8,222	10,841
ditto (alloyed) .. ..	171	284	225
Sheets, wire, etc., and alloyed .. .. .	140	156	165

(a) Information not available.



IMPORTS OF TIN (*Cont.*)

Importing Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (<i>Cont.</i>)</b>			
Germany—			
Ore .. .. .	4,412	9,422	12,188
Ingots, bars and scrap ..	10,475	15,516	13,199
Tin-foil .. .. .	69	128	162
Greece .. .. .	130	149	177
Hungary—			
Ore .. .. .	—	10	—
Crude tin .. .. .	510	484	552
Foil .. .. .	29	40	36
Italy—			
Ingots, bars, scrap and alloyed .. .. .	4,314	4,320	4,190
Sheets .. .. .	59	26	20
Jugoslavia—			
Crude tin and scrap ..	396	432	402
Bars, sheets, wire, etc. ..	18	7	8
Tin-foil .. .. .	11	8	10
Lithuania—			
Ingots and scrap .. ..	3	9	(a)
Netherlands—			
Ore .. .. .	—	3	—
Blocks .. .. .	990	970	980
Sheets, wire, etc. .. ..	80	99	66
Norway—			
Crude tin .. .. .	145	170	252
Bars, sheets, filings, etc. ..	93	75	175
Poland			
Blocks, bars and ingots ..	356	524	744
Sheets and solder .. ..	63	74	53
Portugal .. .. .	451	467	(a)
Rumania—			
Crude tin, ingots and scrap	316	639	(a)
Tin-foil, wire, etc. .. ..	15	11	(a)
Russia (years ended Sept.30)—			
Blocks, pigs and scrap ..	2,035	3,412	4,631
Spain (total imports)—			
Ingots .. .. .	1,559	1,375	1,624
Sweden—			
Crude tin and scrap ..	1,330	1,458	1,262
Switzerland—			
Pigs, bars and slabs ..	1,329	1,681	1,844
Sheets, wire, etc. and alloyed	6	7	11
Foil .. .. .	22	25	23
Scrap .. .. .	30	31	60

IMPORTS OF TIN (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
<b>Algeria—</b>			
Tin and alloys .. ..	144	155	(a)
<b>Angola—</b>			
Bars and sheets .. ..	4	24	(a)
<b>Belgian Congo.. ..</b>	19	19	26
<b>Egypt—</b>			
Ingots, bars and slabs .. ..	319	335	361
<b>Morocco (French Zone) .. ..</b>	15	19	(a)
<b>Réunion .. ..</b>	1	4	2
<b>Tunis—</b>			
Pigs, bars, etc. and alloyed	36	69	70
<b>Cuba (total imports) .. ..</b>	225	211	(a)
<b>Mexico—</b>			
Ingots .. .. .	389	330	(a)
<b>Salvador .. ..</b>	(a)	16	(a)
<b>United States—</b>			
Ore ( <i>tin content</i> ) .. ..	303	122	130
Blocks, pigs, bars, etc. ..	75,854	69,960	76,733
<b>Argentina—</b>			
Ingots .. ..	1,141	1,610	1,601
<b>Brazil (total imports)—</b>			
Bars, rods, sheets and plates	417	660	791
<b>Chile—</b>			
Ingots .. ..	337	76	128
Bars, sheets, etc. .. ..	216	62	56
<b>Peru—</b>			
Bars and sheets .. ..	55	76	(a)
Tin-foil .. ..	2	1	(a)
Solder .. ..	19	9	(a)
<b>Uruguay—</b>			
Ingots .. ..	159	221	(a)
<b>China—</b>			
Ingots and slabs .. ..	3,195	3,532	3,820
Tin and lead foils .. ..	6,980	2,022	4,188
<b>Dutch East Indies (total im- ports)—</b>			
Tin and tinfoil .. ..	252	171	(a)
<b>French Indo-China—</b>			
Sheets, wire, etc. .. ..	138	124	255
<b>Formosa—</b>			
Ingots and slabs .. ..	66	82	(a)
Tinfoil .. ..	2	3	(a)

IMPORTS OF TIN (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Japan (total imports)—			
Ingots, slabs, etc. .. ..	3,675	3,768	4,023
Philippine Islands—			
Ingots .. .. .	44	31	35
Tin foil .. .. .	50	105	101
Siam (total imports)—			
Crude tin .. .. .	—	—	70
Syria .. .. .	59	59	(a)
Turkey—			
Ingots .. .. .	334	399	(a)
Sheets and foil .. ..	3	2	(a)

(a) Information not available.

## TITANIUM MINERALS

### PRODUCTION OF TITANIUM MINERALS (Long tons)

Producing Country and Description	1926	1927	1928
BRITISH EMPIRE			
Canada (shipments)— Titaniferous iron ore ..	178	1,990	2,004
India— Ilmenite .. .. .	4,236	17,809	25,307
FOREIGN COUNTRIES			
Norway— Ilmenite .. .. .	4,134	5,642	7,822
Rutile .. .. .	49	44	58
Portugal Ilmenite .. .. .	1,014	691	(a)
Russia (years ended Sept. 30)— Ilmenite .. .. .	40	(a)	(a)
Senegal— Ilmenite .. .. .	5,162	5,117	2,077
United States (shipments) (b)— Ilmenite .. .. .	4,297	3,125	(a)
Rutile .. .. .	27	(a)	(a)
Brazil (exports)— Ilmenite .. .. .	1,474	1,287	1,474

(a) Information not available.

(b) Florida only; production in Virginia is not available for publication.

### EXPORTS OF TITANIUM MINERALS (Domestic Produce) (Long tons)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
Norway— Ilmenite .. .. .	2	211	2,621
Rutile .. .. .	58	44	52
Senegal— Ilmenite .. .. .	5,657	5,117	2,077
Brazil— Ilmenite .. .. .	1,474	1,287	1,474

(a) Information not available.

## IMPORTS OF TITANIUM MINERALS, ETC.\*

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom— Titanium and zirconium minerals .. .. .	(h) 1	(h) 34	(h) 2
FOREIGN COUNTRIES			
France— Titanium salts .. ..	(a)	63	360
United States— Titanium and ferro-titanium Titanium compounds ..	23 36	8 48	17 55

*(a)* Information not available.*(h)* Excess of re-exports.

\* Imports of ilmenite are generally not separately tabulated in Customs Returns.

## TUNGSTEN

## PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES.

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE.			
United Kingdom—			
Tungsten ore .. ..	19	12	96
Content ( $WO_3$ ) .. ..	12	7	57
Southern Rhodesia—			
Tungsten ore .. ..	—	30	13
India—			
Tungsten ore .. ..	1,484	1,160	622
Tin-tungsten ore .. ..	—	—	218
Federated Malay States—			
Wolfram .. ..	49	20	5
Scheelite .. ..	40	—	—
Unfederated Malay States—			
Wolfram .. ..	228	162	(a)
Australia—			
Wolfram .. ..	84	149	203
New Zealand—			
Tungsten ore .. ..	9	6	6
FOREIGN COUNTRIES.			
Czechoslovakia—			
Tin-tungsten ores (Content $WO_3$ ) .. ..	50	47	43
France—			
Tin-tungsten ore (tungsten content) .. ..	13	(a)	(a)
Portugal—			
Wolfram .. ..	352	155	(a)
Tin-tungsten ores .. ..	20	10	(a)
Russia (years ended Sept. 30)—			
Wolfram (70 per cent. $WO_3$ ) .. ..	19	29	} 66
Scheelite (70 per cent. $WO_3$ ) .. ..	18	9	
Spain—			
Wolfram .. ..	146	194	(a)
Content ( $WO_3$ ) .. ..	73	71	(a)

## PRODUCTION OF TUNGSTEN ORE AND CONCENTRATES—(Cont.)

Producing Country	1926	1927	1928
FOREIGN COUNTRIES —(Cont.)			
United States—			
Concentrates (60 per cent. $WO_3$ ) .. ..	1,234	1,039	1,079
Argentina—			
Tungsten ore (exports)	10	8	(a)
Bolivia—			
Tungsten concentrates (exports) .. ..	99	78	28
<i>Tungsten content (exports)</i> .. ..	36	51	17
China—			
Tungsten ore (exports)	6,988	4,956	7,246
French Indo-China—			
<i>Content</i> ( $WO_3$ ) of tin-tungsten ores ..	97	126	55
Japan—			
Tungsten ore .. ..	18	44	49
Siam (d)—			
Tungsten ore .. ..	10	8	(a)

(a) Information not available.

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

## EXPORTS OF TUNGSTEN

*(Domestic Produce)*

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore .. ..	124	285	196
India (by sea)—			
Tin-tungsten ore .. ..	1,562	2,589	1,599
British Malaya (including re-exports)—			
Wolfram .. .. .	245	123	207
Scheelite .. .. .	39	—	—
Australia (including re-exports)—			
Wolfram .. .. .	75	176	101
New Zealand—			
Scheelite .. .. .	13	13	5
FOREIGN COUNTRIES			
Czechoslovakia—			
Tungsten ore .. ..	66	58	91
Germany—			
Tin-tungsten ore .. ..	103	48	288
Portugal—			
Tungsten ore .. ..	419	175	(a)
Sweden—			
Ferro-tungsten, etc. ..	3	3	—
United States—			
Tungsten and ferro-tungsten	13	9	(a)
Argentina—			
Tungsten ore .. ..	10	8	23
Bolivia—			
Tungsten ore ( <i>W. content</i> )	36	51	17
China—			
Tungsten ore .. ..	6,988	4,956	7,246



EXPORTS OF TUNGSTEN (*Cont.*)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
French Indo-China—			
Tin-tungsten ore .. ..	496	522	(a)
Tungsten .. ..	59	20	(a)
Japan—			
Tungsten ore .. ..	6	—	(a)
Siam—			
Tungsten ore .. ..	68	8	(a)

(a) Information not available.

## IMPORTS OF TUNGSTEN

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Tungsten ore .. ..	1,890	1,526	964
British Malaya (total imports)—			
Tungsten ore .. ..	27	—	—
FOREIGN COUNTRIES			
Czechoslovakia—			
Tungsten ore .. ..	—	—	16
Germany—			
Tungsten ore .. ..	2,328	4,094	4,328
Jugoslavia—			
Tungsten ore .. ..	—	—	27
Ferro-tungsten .. ..	—	—	31
Sweden—			
Ferro-tungsten, etc. ..	164	208	323
United States (total imports)—			
Tungsten and alloys ( <i>W</i> <i>content</i> ) .. ..	1,537	720	1,219

## URANIUM MINERALS

PRODUCTION OF URANIUM MINERALS  
(Cwt.)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
United Kingdom .. ..	—	—	(b)
FOREIGN COUNTRIES			
Czechoslovakia (U <sub>3</sub> O <sub>8</sub> ) ..	521	341	378
Portugal .. .. .	—	158	(a)
Belgian Congo .. ..	(i)	(i)	(i)
Madagascar—			
Betafite .. .. .	41	} 3	(a)
Euxenite .. .. .	66		
United States (U <sub>3</sub> O <sub>8</sub> ) ..	21	(a)	(a)
Russia (years ended Sept. 30).	698	1,064	(a)

(a) Information not available.

(b) Information not available for publication.

(i) The figures for output of uranium minerals are not available but it is reported that the radium produced from these ores amounted to 20 grams, 26 grams and 40 grams in 1926, 1927 and 1928, respectively. This production of radium represents the greater part of the world's supplies.

EXPORTS OF URANIUM MINERALS, ETC.  
(Domestic Produce)

Exporting Country and Description	Unit	1926	1927	1928
FOREIGN COUNTRIES				
Belgium-Luxemburg E.U.—				
Uranium oxide .. ..	Cwt.	360	890	1,683
France—				
Uranium oxide .. ..	Cwt.	6	16	—
Other uranium salts ..	Cwt.	2	2	—
Radium and radium products	Lb.	44	223	62
Portugal—				
Uranium minerals .. ..	Cwt.	10,570	5,915	(a)
Belgian Congo—				
Uranium minerals .. ..	Cwt.	(a)	(a)	5,274
Madagascar—				
Uranium minerals .. ..	Cwt.	44	3	—

(a) Information not available.

## IMPORTS OF URANIUM MINERALS, ETC.

*(Less Re-exports)*

Importing Country and Description	Unit	1926	1927	1928
BRITISH EMPIRE				
United Kingdom— Uranium minerals .. ..	Cwt.	2,990	41	(b) 425
Canada— Radium .. ..	£	7,988	4,131	3,612
FOREIGN COUNTRIES				
Belgium-Luxemburg E. U.— Uranium oxide .. ..	Cwt.	3	8	—
France— Uranium oxide .. ..	Cwt.	4	41	91
Other uranium salts .. ..	do.	67	14	18
Radium and radium pro- ducts .. ..	Lb.	273	—	11
United States— Uranium oxide and salts ..	Cwt.	477	604	1,477
Radium salts and radio- active substances ..	£	113,081	80,984	116,174

(b) Excess of re-exports.

## VANADIUM

## PRODUCTION OF VANADIUM ORES

(Long tons)

Producing Country	1926	1927	1928
BRITISH EMPIRE			
Northern Rhodesia— (vanadium content) ..	96	121	51
South-West Africa ..	5,058	6,454	(a)
FOREIGN COUNTRIES			
United States (vanadium content) .. .. .	295	(a)	(a)
Peru (vanadium content) ..	843	650	(a)

(a) Information not available.

## EXPORTS OF VANADIUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
Northern Rhodesia— Ore .. .. .	201	257	331
South-West Africa— Ore .. .. .	1,141	1,376	4,000
FOREIGN COUNTRIES			
Peru— Ore .. .. .	9,415	5,915	(a)
Vanadium content ..	1,174	617	(a)

(a) Information not available.

## IMPORTS OF VANADIUM

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES			
France— Vanadium oxide .. ..	48	14	3
United States— Ore .. .. .	7,471	6,199	493

## ZINC

## PRODUCTION OF ZINC ORE

(In terms of metal)

(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom .. ..	836	1,252	714
Nigeria .. .. .	—	10	60
Northern Rhodesia .. ..	147	—	13,176
Southern Rhodesia .. ..	—	—	162
Canada .. .. .	97,396	100,608	121,969
India .. .. .	45,500	59,800	64,400
Australia .. .. .	150,876	171,530	147,863
Total .. .. .	295,000	333,000	348,000
<b>FOREIGN COUNTRIES</b>			
Austria .. .. .	2,212	3,446	3,106
Belgium (ore) .. ..	12,264	13,867	(a)
Czechoslovakia .. ..	264	835	520
France .. .. .	5,646	6,100	6,000
Germany .. .. .	102,775	139,392	142,106
Greece .. .. .	5,910	6,014	4,405
Italy .. .. .	73,523	84,045	71,000
Jugoslavia .. .. .	170	320	340
Norway .. .. .	32	105	22
Poland .. .. .	146,500	123,500	127,900
Portugal .. .. .	100	150	(a)
Russia .. .. .	1,900	2,300	2,300
Spain .. .. .	57,900	46,800	43,000
Spitzbergen .. .. .	89	(a)	(a)
Sweden .. .. .	20,970	23,987	20,000
Algeria .. .. .	25,600	25,600	14,800
French Morocco .. ..	33	70	(a)
Tunis .. .. .	9,500	6,900	(a)
Mexico .. .. .	103,702	134,322	159,192
United States .. .. .	691,575	641,555	614,107
Bolivia (exports) .. ..	7,481	5,547	2,225
Chile .. .. .	447	987	(a)
Peru .. .. .	19,932	17,232	(a)
China (estimated) .. ..	12,000	10,000	8,000
French Indo-China .. ..	24,657	21,483	21,147
Korea (ore) .. .. .	6,987	3,626	(a)
Japan (estimated) .. ..	11,800	9,800	10,000
New Caledonia .. .. .	700	450	(a)
Turkey (estimated) .. ..	—	—	2,000
Total .. .. .	1,330,000	1,320,000	1,320,000
<b>WORLD'S TOTAL</b>	<b>1,630,000</b>	<b>1,650,000</b>	<b>1,670,000</b>

(a) Information not available.

METAL PRODUCTION OF ZINC  
(Long tons)

Producing Country	1926	1927	1928
<b>BRITISH EMPIRE</b>			
United Kingdom ( <i>b</i> ) ..	17,000	42,000	55,395
Northern Rhodesia ..	236	—	9,597
Canada .. .. .	55,114	65,364	73,005
Australia .. .. .	47,356	49,155	50,223
Total ..	120,000	157,000	188,000
<b>FOREIGN COUNTRIES</b>			
Belgium ( <i>j</i> ) .. ..	185,786	195,946	205,975
Czechoslovakia .. ..	2,745	6,224	7,912
Finland .. .. .	1,687	2,921	( <i>a</i> )
France .. .. .	63,174	81,300	95,300
Germany .. .. .	72,552	88,418	( <i>a</i> )
Italy .. .. .	7,515	7,251	10,486
Jugoslavia .. .. .	2,338	3,135	4,806
Netherlands .. .. .	24,404	25,853	26,431
Norway .. .. .	5,274	5,401	—
Poland ( <i>m</i> ) .. .. .	121,787	147,925	159,259
Russia (years ended Sept.30)	1,851	2,230	2,330
Spain .. .. .	15,839	16,270	13,741
Sweden .. .. .	4,690	4,574	5,025
Mexico .. .. .	5,873	6,154	10,366
United States ( <i>l</i> ) .. ..	552,163	529,032	538,019
China (exports) .. ..	177	( <i>a</i> )	( <i>a</i> )
French Indo-China .. ..	1,829	1,461	( <i>a</i> )
Japan .. .. .	16,704	17,221	18,815
Total ..	1,090,000	1,140,000	1,200,000
WORLD'S TOTAL ..	1,210,000	1,300,000	1,390,000

(*a*) Information not available.

(*b*) Includes some secondary metal.

(*j*) In addition, zinc dust was produced as follows:—

1926 .. .. .	4,212 long tons.
1927 .. .. .	4,773 „
1928 .. .. .	( <i>a</i> ) „

(*l*) In addition, the following quantities of primary zinc were recovered as zinc dust:—

1926 .. .. .	2,495 long tons.
1927 .. .. .	2,901 „
1928 .. .. .	( <i>a</i> ) „

(*m*) In addition, zinc dust was produced as follows:—

1926 .. .. .	7,054 long tons.
1927 .. .. .	9,192 „
1928 .. .. .	9,050 „



EXPORTS OF ZINC  
(Domestic Produce)  
(Long tons)

Exporting Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Sulphides .. .. .	27,055	43,626	33,779
Other ores .. .. .	22,531	8,273	4,287
Spelter .. .. .	2,727	5,459	5,002
Sheets, plates and discs .. .. .	1,696	1,964	2,593
Oxide .. .. .	1,396	982	1,243
Lithopone .. .. .	944	1,052	1,246
Canada—			
Ore .. .. .	37,426	22,524	—
Spelter .. .. .	42,861	50,188	56,781
Dross .. .. .	1,423	2,624	3,100
India (by sea)—			
Concentrates, etc. .. .. .	43,056	67,135	76,031
Australia (including re-exports)—			
Ores .. .. .	894	168	—
Concentrates (zinc content)	238,809	243,788	239,150
Dust (zinc content) .. .. .	12	—	767
Bars, rods, sheets, etc. .. .. .	30,851	35,017	36,605
New Zealand—			
Spelter and bars .. .. .	25	48	22
FOREIGN COUNTRIES			
Austria—			
Ores .. .. .	2,970	3,800	4,691
Spelter and its alloys, including scrap .. .. .	2,399	1,068	2,083
Sheets, plates, bars, etc. .. .. .	320	59	26
Zinc-white and zinc-grey .. .. .	34	13	11
Lithopone, etc. .. .. .	38	17	13
Belgium-Luxemburg E.U.—			
Ore .. .. .	34,754	7,577	2,618
Spelter .. .. .	91,738	89,644	97,172
Sheets and wire .. .. .	50,356	58,385	55,329
Dust .. .. .	3,042	3,502	2,550
Zinc-white .. .. .	10,911	13,730	14,056
Lithopone .. .. .	4,717	6,991	7,725
Bulgaria—			
Ore, including nickel ore	271	3,899	(a)
Spelter and scrap .. .. .	49	—	(a)

(a) Information not available.

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1926	1927	1928
<b>FOREIGN COUNTRIES (Cont.)</b>			
Czechoslovakia—			
Ore .. .. .	637	978	772
Spelter, scrap and alloys ..	885	2,085	2,659
Sheets and plates .. ..	1,920	846	1,750
Zinc-white and zinc-grey ..	3,214	3,706	3,872
Lithopone, etc. .. ..	838	1,243	1,511
Denmark—			
Spelter and sheets .. ..	179	205	286
Estonia—			
Dust and scrap .. ..	17	7	—
France—			
Ore .. .. .	12,259	18,517	10,497
Spelter, bars and scrap ..	5,558	14,768	14,970
Sheets .. .. .	7,082	4,783	5,627
Oxide .. .. .	3,438	2,543	2,287
Lithopone .. .. .	397	275	501
Germany—			
Ore .. .. .	108,896	209,484	199,174
Spelter, dust and scrap ..	27,922	33,011	43,192
Sheets and wire .. ..	1,935	1,001	1,078
Zinc-white and zinc-grey ..	23,065	13,504	18,780
Lithopone .. .. .	15,713	19,814	18,801
Greece—			
Calamine .. .. .	9,145	11,635	198
Hungary—			
Spelter, dust and scrap ..	243	313	330
Sheets .. .. .	140	279	577
Zinc-white and zinc-grey ..	1	4	18
Italy—			
Ore .. .. .	150,725	170,241	162,685
Spelter, sheets and scrap ..	174	47	56
Oxide .. .. .	293	232	26
Lithopone .. .. .	477	352	469
Jugoslavia—			
Ore .. .. .	(a)	3,461	1,777
Spelter, sheets and dust ..	1,282	2,267	2,847

(a) Information not available

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Netherlands—			
Ore .. .. .	537	330	63
Spelter and scrap .. ..	28,031	27,621	29,435
Sheets, wire and dust .. ..	1,071	1,518	2,483
Oxide .. .. .	—	84	40
Norway—			
Ore and ashes .. ..	496	754	544
Spelter .. .. .	5,135	5,605	2,087
Poland—			
Ores and slag .. ..	219	282	278
Spelter, dust and scrap .. ..	88,756	102,725	113,900
Refined zinc .. ..	23,409	23,266	17,058
Sheets, tubes, etc. .. ..	8,358	11,984	11,769
Zinc-white and lithopone .. ..	2,259	2,654	2,917
Rumania—			
Ore and scrap .. ..	572	801	(a)
Oxide .. .. .	26	—	(a)
Spain (including re-exports)—			
Blende .. .. .	73,389	63,746	68,822
Calamine .. .. .	18,054	14,971	23,458
Spelter and plates .. ..	9,345	8,348	5,312
Sweden—			
Ore .. .. .	43,987	49,634	39,351
Spelter, plates and scrap .. ..	4,102	5,657	7,798
Zinc-white .. .. .	1,363	2,151	1,823
Switzerland—			
Spelter and scrap .. ..	3,345	2,847	3,486
Zinc-white, etc. .. ..	24	43	24
Algeria—			
Ore .. .. .	63,725	63,255	31,563
Egypt—			
Spelter .. .. .	99	96	87
Morocco (French Zone)—			
Ore and scrap .. ..	144	209	702

## EXPORTS OF ZINC (Cont.)

Exporting Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Morocco (Tangier)—			
Scrap .. .. .	1	8	9
Tunis (including re-exports)—			
Ore .. .. .	26,802	35,174	10,549
Mexico—			
Zinc in ores and concentrates	} 103,703	{ 128,168	148,645
Spelter .. .. .			
United States—			
Ore .. .. .	85,046	41,711	4,034
Dross .. .. .	9,340	3,955	2,811
Spelter .. .. .	38,245	40,725	22,551
Dust .. .. .	974	1,211	900
Sheets, strips, etc. .. .. .	4,144	3,502	3,861
Oxide .. .. .	13,090	12,941	13,213
Lithopone .. .. .	1,733	1,884	2,969
Argentina—			
Ore, slag and ash .. .. .	1,218	766	752
Bolivia—			
Zinc content of ore .. .. .	7,481	5,547	2,234
Chile—			
Ore .. .. .	1,237	2,323	1,233
Bars and sheets .. .. .	1	2	22
Peru—			
Zinc in ores and concentrates	10,992	10,770	(a)
China—			
Ore .. .. .	24,399	5,303	8,166
Spelter .. .. .	177	(a)	(a)
Dutch East Indies—			
Zinc .. .. .	39	(a)	(a)
French Indo-China (including re-exports)—			
Ore .. .. .	46,813	58,141	40,326
Spelter, scrap, sheet, etc. ..	1,800	1,386	2,964
Japan—			
Spelter .. .. .	2	—	(a)
Turkey—			
Ore .. .. .	—	27	(a)
Spelter, sheets, scrap, etc. . .	307	88	(a)

(a) Information not available.

## IMPORTS OF ZINC

*(Less Re-exports)*

(Long tons)

Importing Country and Description	1926	1927	1928
BRITISH EMPIRE			
United Kingdom—			
Calamine .. .. .	478	—	1,261
Sulphides .. .. .	95,396	132,607	167,080
Ashes, etc. .. .. .	1,304	1,281	929
Spelter .. .. .	144,631	138,169	131,776
Sheets, plates and discs ..	15,806	17,888	18,212
Oxide .. .. .	11,480	11,847	11,361
Lithopone .. .. .	16,985	20,020	20,708
Anglo-Egyptian Sudan—			
Zinc-white .. .. .	6	3	3
Northern Rhodesia—			
Spelter .. .. .	1	18	2
Southern Rhodesia—			
Spelter .. .. .	232	241	202
South-West Africa—			
Spelter .. .. .	6	5	7
Union of South Africa (total imports)—			
Spelter .. .. .	2,514	2,374	2,334
Canada—			
Spelter and dust .. .. .	714	756	1,029
Sheets, plates, bars, etc. ..	2,570	2,639	4,152
Zinc-white .. .. .	5,928	7,440	8,093
Lithopone .. .. .	5,621	7,056	7,271
Ceylon—			
Slabs, sheets and plates ..	101	52	73
India (total imports by sea)—			
Spelter .. .. .	1,877	4,524	6,883
Sheets, etc. .. .. .	6,568	4,092	2,493
Zinc-white .. .. .	2,651	3,086	2,377
Palestine (total imports)—			
Spelter and sheets .. .. .	129	158	101
Australia—			
Dust .. .. .	(£1)	(£136)	(£169)
Blocks, sheets, scrap, etc. ..	767	637	620
Oxides .. .. .	46	125	80
Lithopone .. .. .	745	1,225	1,208
New Zealand—			
Spelter, bars and sheets ..	424	278	167

## IMPORTS OF ZINC (Cont.)

Importing Country and Description.	1926	1927	1928
FOREIGN COUNTRIES			
Austria—			
Ore .. .. .	1	2	1
Spelter, alloys and scrap ..	4,495	6,259	7,618
Sheets, bars, rods and wire	846	531	1,583
Zinc-white and zinc-grey ..	1,387	1,605	1,761
Lithopone, etc. .. ..	1,627	1,694	1,852
Belgium-Luxemburg E.U.—			
Ore .. .. .	577,806	559,320	493,580
Spelter .. .. .	4,384	4,228	7,290
Sheets and wire .. ..	151	156	60
Dust .. .. .	30	111	14
Lithopone .. .. .	2,010	2,464	1,739
Zinc-white .. .. .	1,698	2,087	2,287
Bulgaria—			
Bars, sheets and plates ..	581	709	(a)
Czechoslovakia—			
Ore .. .. .	4,217	15,775	19,232
Spelter, including scrap ..	14,834	18,045	18,730
Sheets and plates .. ..	408	525	180
Zinc-white, zinc-grey, etc.	60	60	103
Denmark—			
Spelter .. .. .	1,249	1,778	2,145
Plates .. .. .	2,617	3,250	3,616
Zinc-white .. .. .	1,942	1,989	2,214
Lithopone .. .. .	811	810	966
Estonia—			
Spelter, plates, dust and scrap	20	34	55
Zinc-white .. .. .	145	178	189
Finland—			
Spelter, plates and scrap ..	368	426	455
Zinc-white .. .. .	1,371	1,616	1,814
Lithopone, etc. .. ..	145	260	243
France—			
Ore .. .. .	185,237	211,076	233,502
Spelter, bars and scrap ..	48,685	45,553	45,192
Sheets .. .. .	622	689	477
Oxide .. .. .	3,593	5,663	1,181
Lithopone .. .. .	6,454	2,254	345
Germany—			
Ores .. .. .	157,440	171,473	160,022
Spelter, dust and scrap ..	100,400	145,461	141,956
Sheets .. .. .	10,189	12,101	7,259
Zinc-white and zinc-grey ..	1,128	1,705	1,312
Lithopone .. .. .	2,311	4,113	3,521

(a) Information not available.

IMPORTS OF ZINC (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Greece—			
Spelter .. .. .	322	441	375
Hungary—			
Spelter, dust, and scrap ..	3,604	5,295	5,748
Sheets .. .. .	45	42	37
Zinc-white and zinc-grey ..	509	615	626
Lithopone .. .. .	769	1,185	1,574
Italy—			
Ore and ashes .. .. .	483	1,555	190
Spelter and scrap .. .. .	10,419	9,402	10,093
Sheets and plates .. .. .	4,771	4,359	6,154
Oxide .. .. .	625	1,405	1,010
Lithopone .. .. .	1,416	2,565	1,879
Jugoslavia—			
Ore .. .. .	(a)	(a)	10,386
Spelter and scrap .. .. .	68	51	163
Bars, sheets, wire, etc. ..	71	146	161
Lithuania—			
Spelter, sheets and scrap ..	31	45	(a)
Netherlands—			
Ore .. .. .	122,366	84,002	95,147
Spelter and scrap .. .. .	3,916	4,521	5,771
Sheets, wire and dust .. ..	9,087	8,917	9,375
Zinc-white .. .. .	3,702	4,037	4,025
Lithopone .. .. .	1,176	1,328	2,517
Oxide .. .. .	7,570	8,150	6,923
Norway—			
Ore and ashes .. .. .	13,375	10,923	1,918
Spelter, bars, plates, etc. ..	1,381	1,665	2,095
Zinc-white .. .. .	2,120	2,236	2,292
Poland—			
Ores and slag .. .. .	99,338	193,549	188,095
Spelter, dust and scrap .. ..	654	94	123
Refined zinc, sheets, etc. ..	42	249	285
Zinc-white and lithopone ..	181	120	175
Portugal—			
Sheets, etc .. .. .	475	520	(a)
Rumania—			
Spelter and scrap .. .. .	1,151	3,472	(a)
Sheets and plates .. .. .	586	839	(a)
Zinc oxides .. .. .	989	1,225	(a)
Lithopone .. .. .	378	880	(a)
Russia (years ended Sept. 30)—			
Spelter, sheets and bars ..	14,477	29,357	27,937

## IMPORTS OF ZINC (Cont.)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES (Cont.)			
Spain (total imports)—			
Calamine .. .. .	2,782	2,014	—
Spelter and bars . . .	906	985	1,347
Plates, nails and wire ..	200	428	497
Sweden—			
Ore .. .. .	7,108	6,149	6,081
Spelter and scrap .. ..	5,296	6,796	7,090
Plates .. .. .	2,204	2,364	2,330
Zinc-white .. .. .	4,863	4,967	5,330
Lithopone and barytes ..	1,536	1,772	1,914
Switzerland—			
Spelter and scrap .. ..	4,278	5,386	6,417
Bars, sheets and pipes ..	1,429	1,468	1,422
Zinc-white, etc. .. ..	1,154	1,365	1,630
Lithopone .. .. .	1,399	1,796	1,895
Algeria—			
Spelter, bars, sheets and scrap	707	910	(a)
Angola—			
Spelter, etc... .. .	50	57	(a)
Belgian Congo—			
Spelter, etc... .. .	10	4	(a)
Egypt—			
Spelter and sheets .. ..	338	409	419
Oxide .. .. .	1,324	1,281	1,016
Morocco—			
Spelter, sheets and bars ..	155	144	291
Lithopone .. .. .	32	(a)	49
Réunion—			
Zinc .. .. .	—	4	2
Tunis—			
Sheets, etc. .. .. .	384	259	223
Oxide .. .. .	75	87	104
Costa Rica (total imports)—			
Spelter .. .. .	2,036	3,930	(a)
Oxide .. .. .	9	6	(a)
Mexico—			
Spelter, sheets and scrap ..	1,408	262	(a)
United States—			
Ore (zinc content) .. ..	13,059	8,494	1,522
Spelter and dust .. ..	(c) 57	1	(c) 51
Pigments (total imports) ..	8,838	8,387	10,126
Cuba (total imports)—			
Spelter and sheets .. ..	372	309	(a)



IMPORTS OF ZINC (*Cont.*)

Importing Country and Description	1926	1927	1928
FOREIGN COUNTRIES ( <i>Cont.</i> )			
Argentina—			
Spelter and bars .. ..	7,234	7,754	10,580
Sheets, etc. .. ..	2,592	3,425	2,884
Oxide .. ..	566	753	690
Brazil (total imports)—			
Bars, sheets and plates ..	821	1,084	1,326
Zinc-white .. ..	4,116	4,341	5,314
Chile—			
Spelter, bars and sheets ..	578	1,946	1,793
Zinc-white .. ..	235	320	350
Colombia—			
Zinc-white .. ..	293	(a)	(a)
Peru—			
Spelter, bars, sheets, etc.	79	64	(a)
Venezuela—			
Spelter .. ..	19	15	(a)
Oxide .. ..	162	222	(a)
China—			
Spelter and dust .. ..	1,479	1,960	1,218
Sheets and plates .. ..	1,220	1,207	1,563
Zinc-white .. ..	1,090	681	752
Dutch East Indies—			
Spelter, sheets etc. . . .	512	758	(b) 371
Zinc-white .. ..	1,404	1,551	(b) 944
French Indo-China (total imports)—			
Sheets, etc. .. ..	1,641	1,292	1,743
Oxide .. ..	241	152	132
Japan (total imports)—			
Ore .. ..	4,340	5,573	20,638
Spelter .. ..	35,695	26,559	35,194
Sheets, etc .. ..	4,039	4,580	5,318
Philippine Islands—			
Spelter, bars and sheets ..	62	172	83
Oxide .. ..	713	660	572
Siam (total imports)—			
Spelter .. ..	269	357	426
Syria—			
Spelter .. ..	118	207	(a)
Turkey—			
Ore .. ..	—	10	(a)
Spelter and scrap .. ..	57	1	(a)
Bars, sheets, tubes, etc.	914	1,039	(a)

(a) Information not available.

(b) Java and Madura only.

(c) Excess of re-exports.

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