



INTERNATIONAL IRON AND STEEL INSTITUTE



# Steel Statistical Yearbook 1986

COMMITTEE ON STATISTICS  
Brussels 1986



INTERNATIONAL  
IRON AND STEEL  
INSTITUTE

# Steel Statistical Yearbook 1986

COMMITTEE ON STATISTICS  
Brussels 1986

© Copyright by  
INTERNATIONAL IRON AND STEEL INSTITUTE  
Association internationale à but scientifique  
1986

ALL RIGHTS RESERVED  
For permission to reproduce any part of this material,  
or for additional copies write to:

Secretary General  
INTERNATIONAL IRON AND STEEL INSTITUTE  
120, Rue Col. Bourg  
B-1140 Brussels, Belgium

Printed in Belgium

## INTRODUCTION

This yearbook presents a cross-section of steel industry statistics which are published or exchanged by the International Iron and Steel Institute. The contents were finalised in November 1986.

In general, the statistics presented are based on a broad definition of the steel industry, covering blast furnaces and their associated raw materials preparation; steel melting shops and foundries; casting and continuous casting plant; hot and cold finishing; steel forging; manufacture of tube and pipe; wire-drawing. Crude steel is defined as the total of useable ingots, continuously cast semi-finished products, and liquid steel for castings. Pig iron, which does not include sponge iron, comprises both steelmaking and foundry iron. Countries are classified on an economic and geographical basis: the Western World excludes the USSR and Comecon countries, as well as mainland China, the Democratic People's Republic of Korea, and the other centrally-planned economies in Asia.

The unit of measurement employed is the metric ton (1,000 Kg or 2,205 lbs). Due to rounding, some columns or rows of figures may not add exactly to the stated totals. E means estimated. Further explanatory notes related to specific tables are given in the Appendix on page 47.

Enquiries or requests for additional information should be addressed to:-

Anthony Trickett,  
Secretary,  
Committee on Statistics,  
International Iron and Steel Institute,  
rue Colonel Bourg 120,  
B-1140 Brussels,  
Belgium.

## CONTENTS

Table		Page
	<u>Production</u>	
1	World Crude Steel Production Summary	1
2	Crude Steel Production by Country	2
3	Monthly Crude Steel Production	4
4	Crude Steel Production by Process, 1984 & 1985	6
5	Continuously Cast Steel	8
	<u>Deliveries</u>	
6	Total Deliveries of Steel Products:	
	Argentina	10
	Australia	11
	Austria	12
	Belgium	13
	Brazil	14
	Canada	15
	France	16
	FR Germany	17
	Italy	18
	Japan	19
	Luxembourg	20
	Netherlands	21
	Portugal	22
	Spain	23
	United Kingdom	24
	United States	25
	<u>Trade</u>	
7	Exports of Semi-Finished and Finished Steel Products	26
8	Imports of Semi-Finished and Finished Steel Products	28
9	World Steel Trade as a Percentage of World Steel Production	31
	<u>Consumption</u>	
10	Apparent Crude Steel Consumption	32
11	Apparent Consumption Per Head	35
	<u>Raw Materials</u>	
12	Pig Iron Production	36
13	Pig Iron Exports	38
14	Pig Iron Imports	39
15	Iron Ore Production	40
16	Iron Ore Exports	42
17	Iron Ore Imports	43
18	Scrap Exports	44
19	Scrap Imports	45
20	Scrap Consumption	46

Appendix: Explanatory Notes

Table 1

## WORLD CRUDE STEEL PRODUCTION SUMMARY

=====

(million metric tons)

Year	Production	Year	Production
1900	28.3	1950	191.6
1901	31.0	1951	211.1
1902	34.5	1952	211.6
1903	36.1	1953	234.8
1904	36.3	1954	223.8
1905	44.9	1955	270.0
1906	51.2	1956	283.5
1907	53.0	1957	292.5
1908	41.4	1958	274.3
1909	54.2	1959	305.7
1910	60.3	1960	346.4
1911	60.5	1961	351.3
1912	72.8	1962	360.1
1913	76.4	1963	387.1
1914	60.4	1964	433.4
1915	66.6	1965	454.0
1916	78.2	1966	472.7
1917	82.0	1967	497.2
1918	77.2	1968	529.8
1919	58.5	1969	574.6
1920	72.5	1970	595.4
1921	45.2	1971	582.6
1922	68.8	1972	630.7
1923	78.3	1973	697.1
1924	78.5	1974	703.5
1925	90.4	1975	643.4
1926	93.4	1976	675.6
1927	101.8	1977	675.7
1928	110.0	1978	717.0
1929	120.8	1979	746.7
1930	95.1	1980	716.4
1931	69.6	1981	707.8
1932	50.7	1982	645.4
1933	68.0	1983	663.7
1934	82.4	1984	710.2
1935	99.5	1985	719.1
1936	124.3		
1937	135.7		
1938	110.0		
1939	137.1		
1940	140.6		
1941	153.8		
1942	151.4		
1943	159.6		
1944	151.2		
1945	113.1		
1946	111.6		
1947	136.0		
1948	155.3		
1949	160.0		

Table 2

## CRUDE STEEL PRODUCTION

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium	11,669	12,233	11,346	12,692	13,535	12,422	12,377	9,992	10,154	11,300	10,683
Denmark	557	722	686	863	804	734	612	560	493	548	528
France	21,531	23,227	22,094	22,841	23,360	23,176	21,258	18,402	17,582	19,000	18,815
FR of Germany	40,412	42,413	38,984	41,253	46,040	43,838	41,610	35,880	35,729	39,389	40,497
Greece	721	614	573	670	813	870	909	933	868	898	985
Ireland	81	58	47	69	72	2	32	61	141	166	203
Italy	21,865	23,455	23,335	24,283	24,250	26,501	24,777	24,009	21,811	24,062	23,872
Luxembourg	4,624	4,565	4,329	4,790	4,949	4,618	3,790	3,510	3,294	3,987	3,945
Netherlands	4,817	5,178	4,923	5,590	5,805	5,272	5,472	4,354	4,477	5,739	5,517
United Kingdom	20,098	22,274	20,411	20,311	21,464	11,277	15,573	13,704	14,986	15,121	15,722
EC Total	126,375	134,739	126,728	133,362	141,092	128,710	126,410	111,405	109,535	120,210	120,767
Austria	4,069	4,476	4,093	4,335	4,917	4,623	4,656	4,258	4,411	4,870	4,660
Finland	1,616	1,649	2,196	2,333	2,464	2,508	2,428	2,414	2,416	2,639	2,518
Norway	891	886	704	797	891	862	848	776	886	916	944
Portugal	419	461	531	608	650	659	570	501	670	700	671
Spain	11,102	10,982	11,169	11,339	12,248	12,643	12,896	13,178	13,009	13,497	14,233
Sweden	5,611	5,139	3,968	4,325	4,733	4,237	3,770	3,900	4,210	4,705	4,813
Switzerland	420	545	656	784	886	929	934	835	835	978	987
Turkey	1,703	1,972	1,902	2,172	2,396	2,536	2,425	3,183	3,834	4,330	4,950
Yugoslavia	2,916	2,751	3,182	3,456	3,535	3,634	3,977	3,840	4,134	4,236	4,480
Other Western Europe	28,747	28,861	28,401	30,149	32,720	32,631	32,504	32,885	34,405	36,871	38,256
Total Western Europe	155,122	163,600	155,129	163,511	173,812	161,341	158,914	144,290	143,940	157,081	159,023
Canada	13,025	13,290	13,631	14,899	16,054	15,901	14,811	11,871	12,832	14,699	14,637
United States	105,816	116,120	113,700	124,313	123,688	101,456	109,614	67,656	76,762	83,941	80,068
Japan	102,313	107,399	102,405	102,105	111,748	111,395	101,676	99,548	97,179	105,586	105,281
Australia	7,869	7,794	7,338	7,596	8,119	7,589	7,635	6,371	5,676	6,302	6,609
New Zealand	185	222	218	225	229	230	221	252	234	280	227
South Africa	6,831	7,106	7,295	7,902	8,876	9,067	9,005	8,280	7,180	7,732	8,507
TOTAL INDUSTRIAL CTS.	391,161	415,531	399,716	420,551	442,526	406,979	401,876	338,268	343,803	375,621	374,352
Argentina	2,208	2,410	2,684	2,782	3,199	2,687	2,526	2,913	2,942	2,647	2,946
Brazil	8,387	9,253	11,253	12,205	13,893	15,309	13,226	12,995	14,671	18,386	20,454
Central America	10	13	62	64	98	94	95	57	45	102	99
Chile	490	480	548	597	657	704	644	492	618	690	681
Colombia	391	356	330	390	354	420	396	425	463	502	530
Ecuador	0	0	0	0	0	16	26	27	23	17	18
Mexico	5,272	5,298	5,601	6,775	7,117	7,156	7,605	7,056	6,917	7,482	7,261
Panama	0	0	0	0	0	6	10	8	15	0	0
Peru	432	346	379	374	379	447	364	272	289	337	411
Trinidad & Tobago	0	0	0	0	0	0	45	219	210	172	164
Uruguay	16	16	19	7	16	18	14	20	46	41	39
Venezuela	1,100	937	854	859	1,475	1,975	2,030	2,278	2,320	2,770	3,055
Total Latin America	18,306	19,109	21,730	24,053	27,188	28,832	26,981	26,762	28,559	33,146	35,658

Table 2  
(continued)

## CRUDE STEEL PRODUCTION

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Algeria	221	356	410	380	242	384	522	550	560	580	600 E
Egypt	490	699	819	823	925	1,153	1,141	1,161	1,050	1,150	1,125 E
Nigeria	14	15	15	15	15	20	22	90	182	187	254
Tunisia	127	103	156	160	176	178	173	107	163	169	170 E
Zimbabwe	524	733	734	778	740	805	691	538	647	423	731
Other Africa (E)	60	60	60	60	65	70	70	70	75	75	75
<b>Total Africa</b>	<b>1,436</b>	<b>1,966</b>	<b>2,194</b>	<b>2,216</b>	<b>2,163</b>	<b>2,610</b>	<b>2,619</b>	<b>2,516</b>	<b>2,677</b>	<b>2,584</b>	<b>2,955</b>
Iran	551	549	1,825	1,300	1,430	1,200	1,200	1,200	1,200	1,200	1,200 E
Israel	60	70	72	94	107	115	114	87	83	92	100
Qatar	0	0	0	127	396	461	469	495	469	478	533
Saudi Arabia	0	0	0	0	0	0	0	0	400	842	1,106
Other (E)	70	65	51	55	170	170	180	200	200	200	200
<b>Total Middle East</b>	<b>681</b>	<b>684</b>	<b>1,948</b>	<b>1,576</b>	<b>2,103</b>	<b>1,946</b>	<b>1,963</b>	<b>1,982</b>	<b>2,352</b>	<b>2,812</b>	<b>3,139</b>
Bangladesh	76	90	108	120	125	131	134	78	58	88	122
Hong Kong (E)	120	120	120	120	120	120	120	120	120	120	120
India	7,991	9,364	10,009	10,099	10,126	9,514	10,780	10,997	10,237	10,549	11,543
Indonesia	100	139	250	225	305	360	500	500	800	1,000	1,200 E
Malaysia	183	190	194	203	207	210	210	210	350	350	550 E
Philippines	309	350	357	276	397	330	350	350	200	250	250 E
Singapore	196	203	215	281	293	340	263	359	305	362	365 E
Republic of Korea	1,994	3,511	4,346	4,969	7,610	8,558	10,753	11,758	11,915	13,034	13,539
Taiwan (ROC)	680	1,098	1,710	3,426	3,186	3,417	3,157	4,152	5,031	5,008	5,088
Thailand	251	281	309	346	440	450	300	350	350	350	350 E
Other (E)	200	200	250	230	225	225	220	250	450	550	850
<b>Total Asia</b>	<b>12,100</b>	<b>15,546</b>	<b>17,868</b>	<b>20,295</b>	<b>23,034</b>	<b>23,655</b>	<b>26,787</b>	<b>29,124</b>	<b>29,816</b>	<b>31,661</b>	<b>33,977</b>
<b>TOTAL DEVELOPING CTS.</b>	<b>32,523</b>	<b>37,305</b>	<b>43,740</b>	<b>48,140</b>	<b>54,488</b>	<b>57,043</b>	<b>58,350</b>	<b>60,384</b>	<b>63,404</b>	<b>70,203</b>	<b>75,729</b>
<b>TOTAL WESTERN WORLD</b>	<b>423,684</b>	<b>452,836</b>	<b>443,456</b>	<b>468,691</b>	<b>497,014</b>	<b>464,022</b>	<b>460,226</b>	<b>398,652</b>	<b>407,207</b>	<b>445,824</b>	<b>450,081</b>
Bulgaria	2,265	2,460	2,589	2,470	2,482	2,567	2,484	2,586	2,825	2,868	2,880
Czechoslovakia	14,324	14,693	15,054	15,294	14,817	14,925	15,270	14,992	15,024	14,831	15,036
German Dem Rep	6,480	6,740	6,850	6,976	7,024	7,308	7,467	7,168	7,219	7,573	7,853
Hungary	3,673	3,652	3,723	3,877	3,907	3,767	3,645	3,702	3,617	3,751	3,647
Poland	15,007	15,640	17,841	19,251	19,218	19,485	15,719	14,794	16,236	16,533	15,800
Romania	9,549	10,970	11,457	11,779	12,909	13,175	13,025	13,055	12,593	14,437	13,760
USSR	141,325	144,805	146,655	151,436	149,087	147,931	148,517	147,153	152,511	154,200	154,500
<b>Total Eastern Europe</b>	<b>192,623</b>	<b>198,960</b>	<b>204,169</b>	<b>211,083</b>	<b>209,444</b>	<b>209,158</b>	<b>206,127</b>	<b>203,450</b>	<b>210,025</b>	<b>214,193</b>	<b>213,476</b>
Cuba (E)	298	296	302	324	328	304	330	305	354	338	400 E
China	23,903	20,459	23,740	31,780	34,484	37,121	35,604	37,160	40,021	43,319	46,724
DPR Korea (E)	2,900	3,000	4,000	5,080	5,400	5,800	5,500	5,800	6,100	6,500	8,400
<b>TOTAL CPE'S</b>	<b>219,724</b>	<b>222,715</b>	<b>232,211</b>	<b>248,267</b>	<b>249,656</b>	<b>252,383</b>	<b>247,561</b>	<b>246,715</b>	<b>256,500</b>	<b>264,350</b>	<b>269,000</b>
<b>WORLD TOTAL</b>	<b>643,408</b>	<b>675,551</b>	<b>675,667</b>	<b>716,958</b>	<b>746,670</b>	<b>716,405</b>	<b>707,787</b>	<b>645,367</b>	<b>663,707</b>	<b>710,174</b>	<b>719,081</b>

Table 3

## MONTHLY CRUDE STEEL PRODUCTION

(thousand metric tons)

<u>European Community</u>										
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
January	10,731	10,552	10,506	10,640	9,781	10,461	8,232	9,721	9,719	9,780
February	10,175	10,492	11,282	10,637	9,990	10,345	8,529	9,967	9,575	9,450
March	11,626	11,902	12,692	11,686	11,241	11,127	9,704	10,742	10,884	10,241
April	10,152	12,232	11,341	11,622	10,377	10,581	9,021	9,724	10,235	9,935
May	11,061	11,803	12,163	12,241	11,125	10,700	9,676	10,519	10,486	9,460
June	11,191	11,405	11,852	11,879	10,792	9,833	9,448	10,166	10,636	9,430
July	10,371	10,728	11,699	10,935	10,368	8,583	8,392	9,808	9,874	8,798
August	9,347	9,341	10,660	9,245	9,078	6,971	7,283	8,180	8,557	7,744
September	11,019	11,479	12,410	10,114	10,820	8,439	9,507	10,311	10,082	9,680
October	10,701	11,851	12,652	10,430	10,997	8,394	10,153	10,694	10,539	
November	10,418	11,485	12,166	9,901	10,822	8,066	9,861	10,250	10,102	
December	9,395	9,243	10,860	8,555	9,786	6,934	8,618	9,019	8,812	
Year total	126,187	132,513	140,283	127,885	125,177	110,434	108,424	119,101	119,501	84,518
<u>United States</u>										
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
January	8,246	9,312	10,074	9,708	9,607	7,017	5,052	7,230	6,336	6,955
February	8,037	8,653	9,582	9,373	9,097	6,510	5,149	7,386	6,215	6,505
March	10,023	10,002	11,409	10,337	10,657	7,300	6,464	8,215	7,502	7,209
April	10,131	10,428	11,064	9,669	10,199	6,354	6,615	8,162	7,141	7,064
May	11,069	11,171	11,602	8,370	10,363	6,057	6,724	8,323	7,103	6,909
June	10,327	10,747	11,095	6,805	9,481	5,487	6,344	7,208	6,615	6,105
July	9,361	10,329	10,724	6,165	9,217	5,187	6,279	6,768	6,359	5,763
August	9,427	10,457	10,260	6,367	9,181	5,023	6,369	6,273	6,468	5,142
September	9,117	10,350	9,563	7,046	8,725	4,806	6,472	5,786	6,282	5,175
October	9,473	11,005	9,807	8,566	8,167	4,773	6,978	6,081	6,669	
November	8,843	10,573	9,070	9,124	7,223	4,123	6,589	5,826	6,396	
December	9,088	10,713	9,068	9,235	6,959	4,042	6,342	5,455	6,104	
Year total	113,142	123,740	123,318	100,765	108,876	66,679	75,377	82,713	79,190	56,827
<u>Japan</u>										
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
January	8,871	8,328	9,234	9,648	8,314	8,787	7,677	8,645	8,875	8,568
February	8,171	7,646	8,711	9,237	7,785	8,206	7,121	8,325	8,426	7,877
March	8,962	8,272	9,256	9,579	8,354	8,813	7,759	8,608	9,162	8,495
April	8,590	8,367	9,329	9,801	8,438	8,788	7,964	8,822	9,113	8,438
May	8,732	8,466	9,524	9,969	8,516	8,766	8,207	9,031	9,159	8,526
June	8,542	8,326	9,158	9,506	8,416	8,453	8,005	8,719	8,779	8,267
July	8,657	8,799	9,553	9,481	8,748	8,191	8,408	9,068	8,965	8,077
August	8,487	8,705	9,312	8,905	8,516	7,925	8,139	8,836	8,539	7,764
September	8,426	8,561	9,225	8,940	8,398	7,867	8,202	8,621	8,289	7,913
October	8,499	9,053	9,707	9,192	9,006	8,060	8,913	9,186	8,917	
November	8,218	8,770	9,445	8,609	8,668	7,888	8,459	8,828	8,498	
December	8,250	8,811	9,303	8,528	8,516	7,803	8,315	8,895	8,559	
Year total	102,405	102,104	111,757	111,395	101,675	99,547	97,169	105,584	105,281	73,926



Table 3  
(continued)

MONTHLY CRUDE STEEL PRODUCTION  
=====

<u>Other Reporting Countries</u>										
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
January	7,824	8,167	9,331	9,889	9,654	9,696	8,839	10,432	10,441	11,586
February	7,332	7,645	8,547	9,157	9,244	9,146	8,464	10,002	10,026	10,573
March	8,048	8,569	9,799	9,844	10,336	10,060	9,540	10,876	11,480	11,548
April	7,464	8,341	9,418	9,449	9,869	9,419	9,204	10,442	10,615	11,178
May	7,637	8,546	9,823	9,595	10,060	9,769	9,507	10,603	11,122	11,396
June	7,566	8,237	9,103	9,447	9,668	9,244	9,342	10,343	10,852	10,901
July	7,278	7,842	9,043	9,291	9,379	9,024	9,135	10,127	10,476	10,639
August	7,569	7,923	9,076	9,107	8,588	8,844	9,138	10,021	10,421	10,526
September	7,777	8,701	9,483	9,356	9,071	9,143	9,686	10,389	11,307	11,318
October	8,240	8,977	10,006	9,789	9,286	9,115	10,247	10,918	11,773	
November	7,960	8,770	9,718	9,663	9,034	8,687	9,974	10,437	11,440	
December	7,945	9,075	9,797	9,557	9,506	8,606	10,052	10,517	11,620	
Year total	92,640	100,793	113,144	114,144	113,695	110,753	113,128	125,107	131,573	99,665
<u>Total 29 Reporting Countries</u>										
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
January	35,672	36,359	39,145	39,885	37,356	35,961	29,800	36,028	35,371	36,889
February	33,715	34,436	38,122	38,404	36,116	34,207	29,263	35,680	34,242	34,405
March	38,659	38,745	43,156	41,446	40,588	37,300	33,467	38,441	39,028	37,494
April	36,337	39,368	41,152	40,541	38,883	35,142	32,804	37,150	37,104	36,615
May	38,499	39,986	43,112	40,175	40,064	35,292	34,114	38,476	37,870	36,291
June	37,626	38,715	41,208	37,637	38,357	33,017	33,139	36,436	36,882	34,703
July	35,667	37,698	41,019	35,872	37,712	30,985	32,214	35,771	35,674	33,277
August	34,830	36,426	39,308	33,624	35,363	28,763	30,929	33,310	33,985	31,176
September	36,339	39,091	40,681	35,456	37,014	30,255	33,867	35,107	35,960	34,086
October	36,913	40,886	42,172	37,977	37,456	30,342	36,291	36,879	37,898	
November	35,439	39,598	40,399	37,297	35,747	28,764	34,883	35,341	36,436	
December	34,678	37,842	39,028	35,875	34,767	27,385	33,327	33,886	35,095	
Year total	434,374	459,150	488,502	454,189	449,423	387,413	394,098	432,505	435,545	314,936

In these tables, the European Community figures comprise the following eight countries: Belgium, Denmark, FR Germany, France, Italy, Luxembourg, Netherlands, United Kingdom. Excluded are Ireland and Greece, which do not report monthly production to IISI; also Portugal and Spain, which joined the Community on January 1, 1986.

Other Reporting Countries include Austria, Finland, Norway, Portugal, Spain, Sweden, Yugoslavia, Canada, Argentina, Brazil, Chile, Mexico, Venezuela, Australia, India, Republic of Korea, South Africa and Taiwan (ROC).

Since 1984 a thirtieth reporting country, Nigeria, has been included in the monthly crude steel production report IISI 101/102. However Nigeria is excluded from the above figures in order to retain comparability with previous years.

Table 4

## CRUDE STEEL PRODUCTION BY PROCESS - 1984

	Thousand Metric Tons					Percentages of Total			
	Oxygen	Electric	OH	Other	Total	Oxygen	EAF	OH	Other
Belgium	10,401	899	0	0	11,300	92.0	8.0	0.0	0.0
Denmark	0	548	0	0	548	0.0	100.0	0.0	0.0
France	15,278	3,722	0	0	19,000	80.4	19.6	0.0	0.0
FR of Germany	31,731	7,658	0	0	39,389	80.6	19.4	0.0	0.0
Ireland	0	166	0	0	166	0.0	100.0	0.0	0.0
Italy	11,350	12,703	0	8	24,061	47.2	52.8	0.0	.0
Luxembourg	3,987	0	0	0	3,987	100.0	0.0	0.0	0.0
Netherlands	5,533	206	0	0	5,739	96.4	3.6	0.0	0.0
United Kingdom	10,295	4,826	0	0	15,121	68.1	31.9	0.0	0.0
EC Total	88,575	30,728	0	8	119,311	74.2	25.8	0.0	.0
Austria	4,393	477	0	0	4,870	90.2	9.8	0.0	0.0
Finland	2,223	416	0	0	2,639	84.2	15.8	0.0	0.0
Norway	511	405	0	0	916	55.8	44.2	0.0	0.0
Portugal	295	390	0	15	700	42.1	55.7	0.0	2.1
Spain	5,391	8,106	0	0	13,497	39.9	60.1	0.0	0.0
Sweden	2,279	2,426	0	0	4,705	48.4	51.6	0.0	0.0
Turkey	2,375	1,496	459	0	4,330	54.8	34.5	10.6	0.0
Yugoslavia	1,644	1,152	1,440	0	4,236	38.8	27.2	34.0	0.0
Other Western Europe	19,111	14,868	1,899	15	35,893	53.2	41.4	5.3	.0
Total Western Europe	107,686	45,596	1,899	23	155,204	69.4	29.4	1.2	.0
Canada (1)	10,735	3,965	0	0	14,700	73.0	27.0	0.0	0.0
United States	47,920	28,458	7,563	0	83,941	57.1	33.9	9.0	0.0
Japan	76,358	29,228	0	0	105,586	72.3	27.7	0.0	0.0
Australia	6,068	234	0	0	6,302	96.3	3.7	0.0	0.0
New Zealand	0	280	0	0	280	0.0	100.0	0.0	0.0
South Africa	5,357	2,219	0	156	7,732	69.3	28.7	0.0	2.0
TOTAL INDUSTRIAL CTS.	254,124	109,980	9,462	179	373,745	68.0	29.4	2.5	.0
Argentina	567	1,440	591	49	2,647	21.4	54.4	22.3	1.9
Brazil	12,811	4,767	807	0	18,385	69.7	25.9	4.4	0.0
Chile	663	27	0	0	690	96.1	3.9	0.0	0.0
Mexico	3,391	3,161	930	0	7,482	45.3	42.2	12.4	0.0
Venezuela	0	2,218	552	0	2,770	0.0	80.1	19.9	0.0
India	3,435	2,255	4,859	0	10,549	32.6	21.4	46.1	0.0
Republic of Korea	9,194	3,840	0	0	13,034	70.5	29.5	0.0	0.0
Taiwan (ROC)	3,341	1,667	0	0	5,008	66.7	33.3	0.0	0.0
TOTAL WESTERN CTS.	287,526	129,355	17,201	228	434,310	66.2	29.8	4.0	0.1
Bulgaria	1,576	966	326	0	2,868	55.0	33.7	11.4	0.0
German Dem Rep	1,095	2,367	3,998	113	7,573	14.5	31.3	52.8	1.5
Hungary	1,295	444	2,012	0	3,751	34.5	11.8	53.6	0.0
Poland	7,036	2,428	7,059	9	16,532	42.6	14.7	42.7	0.1
Romania	7,062	2,985	4,389	0	14,436	48.9	20.7	30.4	0.0
USSR (2)	48,700	17,300	87,900	300	154,200	31.6	11.2	57.0	0.2
Total Eastern Europe	66,764	26,490	105,684	422	199,360	33.5	13.3	53.0	0.2
TOTAL	354,290	155,845	122,885	650	633,670	55.9	24.6	19.4	0.1

(1) Oxygen figure includes Open Hearth

(2) USSR Open Hearth and Electric are estimated.

Table 4  
(continued)

## CRUDE STEEL PRODUCTION BY PROCESS - 1985

	<u>Thousand Metric Tons</u>					<u>Percentages of Total</u>			
	Oxygen	Electric	OH	Other	Total	Oxygen	EOF	OH	Other
Belgium	9,820	863	0	0	10,683	91.9	8.1	0.0	0.0
Denmark	0	529	0	0	529	0.0	100.0	0.0	0.0
France	15,135	3,680	0	0	18,815	80.4	19.6	0.0	0.0
FR of Germany	33,021	7,477	0	0	40,498	81.5	18.5	0.0	0.0
Ireland	0	203	0	0	203	0.0	100.0	0.0	0.0
Italy	11,342	12,522	0	8	23,872	47.5	52.5	0.0	.0
Luxembourg	3,945	0	0	0	3,945	100.0	0.0	0.0	0.0
Netherlands	5,304	213	0	0	5,517	96.1	3.9	0.0	0.0
United Kingdom	11,185	4,537	0	0	15,722	71.1	28.9	0.0	0.0
EC Total	89,752	30,024	0	8	119,784	74.9	25.1	0.0	.0
Austria	4,205	455	0	0	4,660	90.2	9.8	0.0	0.0
Finland	2,073	445	0	0	2,518	82.3	17.7	0.0	0.0
Norway	534	410	0	0	944	56.6	43.4	0.0	0.0
Portugal	436	226	0	9	671	65.0	33.7	0.0	1.3
Spain	5,537	8,696	0	0	14,233	38.9	61.1	0.0	0.0
Sweden	2,425	2,388	0	0	4,813	50.4	49.6	0.0	0.0
Turkey	2,632	1,793	525	0	4,950	53.2	36.2	10.6	0.0
Yugoslavia	1,801	1,155	1,524	0	4,480	40.2	25.8	34.0	0.0
Other Western Europe	19,643	15,568	2,049	9	37,269	52.7	41.8	5.5	.0
Total Western Europe	109,395	45,592	2,049	17	157,053	69.7	29.0	1.3	.0
Canada (1)	10,554	4,084	0	0	14,638	72.1	27.9	0.0	0.0
United States	47,070	27,167	5,831	0	80,068	58.8	33.9	7.3	0.0
Japan	74,776	30,505	0	0	105,281	71.0	29.0	0.0	0.0
Australia	6,273	336	0	0	6,609	94.9	5.1	0.0	0.0
New Zealand	0	227	0	0	227	0.0	100.0	0.0	0.0
South Africa (E)	6,000	2,350	0	157	8,507	70.5	27.6	0.0	1.8
TOTAL INDUSTRIAL CTS.	254,068	110,261	7,880	174	372,383	68.2	29.6	2.1	.0
Argentina	939	1,516	435	50	2,940	31.9	51.6	14.8	1.7
Brazil	14,680	5,029	747	0	20,456	71.8	24.6	3.7	0.0
Chile	648	36	0	0	684	94.7	5.3	0.0	0.0
Mexico	3,080	3,191	990	0	7,261	42.4	43.9	13.6	0.0
Venezuela	0	2,581	474	0	3,055	0.0	84.5	15.5	0.0
India	3,960	2,651	4,932	0	11,543	34.3	23.0	42.7	0.0
Republic of Korea	9,284	4,255	0	0	13,539	68.6	31.4	0.0	0.0
Taiwan (ROC)	3,347	1,741	0	0	5,088	65.8	34.2	0.0	0.0
TOTAL WESTERN CTS.	290,006	131,261	15,458	224	436,949	66.4	30.0	3.5	0.1
Bulgaria	1,669	956	301	0	2,926	57.0	32.7	10.3	0.0
German Dem Rep	1,794	2,420	3,525	114	7,853	22.8	30.8	44.9	1.5
Hungary	1,322	452	1,874	0	3,648	36.2	12.4	51.4	0.0
Poland	6,821	2,401	6,894	9	16,125	42.3	14.9	42.8	0.1
Romania (E)	6,720	3,000	4,040	0	13,760	48.8	21.8	29.4	0.0
USSR (E)	49,900	19,000	85,590	50	154,540	32.3	12.3	55.4	.0
Total Eastern Europe	68,226	28,229	102,224	173	198,852	34.3	14.2	51.4	0.1
TOTAL	358,232	159,490	117,682	397	635,801	56.3	25.1	18.5	0.1

(1) Oxygen figure includes Open Hearth

Table 5

## CONTINUOUSLY CAST STEEL

=====

thousand metric tons

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium	480	693	1,655	2,672	3,161	3,170	3,789	3,294	3,903	5,597	6,412
Denmark	73	312	347	481	473	538	586	542	480	545	528
France	2,771	4,212	5,244	6,286	6,930	9,561	10,918	10,769	11,218	12,708	15,172
FR of Germany	9,813	12,014	13,272	15,670	17,948	20,162	22,319	22,214	25,654	30,294	32,208
Ireland	0	0	0	0	0	0	32	61	141	166	203
Italy	5,904	7,559	8,986	10,073	11,243	13,218	12,578	14,056	14,886	17,638	18,716
Luxembourg	0	0	0	0	0	0	265	680	794	1,044	1,118
Netherlands	0	0	0	0	0	313	1,159	1,350	1,610	2,220	2,155
United Kingdom	1,704	2,165	2,554	3,149	3,627	3,059	4,958	5,341	6,986	7,858	8,620
EC Total	20,745	26,955	32,058	38,331	43,382	50,021	56,604	58,307	65,672	78,070	85,132
Austria	866	1,244	1,533	1,723	2,336	2,367	2,907	3,290	3,862	4,336	4,352
Finland	1,233	1,255	1,831	2,054	2,187	2,261	2,231	2,255	2,259	2,485	2,355
Norway	140	142	117	126	132	111	136	227	320	471	525
Portugal	35	69	195	244	245	281	212	236	291	277	293
Spain	2,333	2,493	2,887	3,287	3,885	4,608	5,098	5,525	5,965	6,666	8,084
Sweden	1,390	1,451	1,214	1,561	1,824	2,077	2,517	2,965	3,354	3,744	3,880
Turkey	0	0	0	0	0	183	324	1,772	2,438	3,118	3,676
Yugoslavia	330	398	824	1,186	1,286	1,329	1,720	1,826	2,133	2,194	2,395
Other Western Europe	6,327	7,052	8,601	10,181	11,895	13,217	15,145	18,096	20,622	23,291	25,560
Total Western Europe	27,072	34,007	40,659	48,512	55,277	63,238	71,749	76,403	86,294	101,361	110,692
Canada	1,735	1,582	2,169	3,011	3,192	4,073	4,771	3,895	4,802	5,647	6,384
United States	9,653	12,246	14,268	18,903	20,904	20,611	22,247	19,616	24,652	33,266	35,527
Japan	31,814	37,629	41,807	47,159	58,116	66,271	71,843	78,377	83,819	94,097	95,940
Australia	47	0	0	33	441	779	992	1,118	1,398	1,701	1,792
South Africa	1,393	1,861	2,739	3,431	4,374	4,709	4,970	5,067	4,316	4,758	5,500 E
TOTAL INDUSTRIAL CTS.	71,714	87,325	101,642	121,049	142,304	159,681	176,572	184,476	205,281	240,830	255,835
Argentina	565	665	737	1,129	1,558	1,431	1,244	1,510	1,429	1,254	1,839
Brazil	477	1,119	1,957	3,016	3,831	5,106	4,816	5,336	6,505	7,589	8,948
Chile	7	11	11	9	10	15	9	4	8	11	13
Mexico	695	682	1,615	2,000	2,100	2,100	2,447	2,675	3,849	4,082	4,000 E
Venezuela	0	0	0	100	400	800	1,262	1,558	1,817	2,000	2,220
Republic of Korea	393	770	1,376	1,829	2,325	2,769	4,765	6,012	6,739	7,903	8,574
Taiwan (ROC)	0	0	420	1,341	1,910	1,931	1,848	3,360	4,259	4,337	4,435
TOTAL WESTERN CTS.	73,851	90,572	107,758	130,473	154,438	173,833	192,963	204,931	229,887	268,006	285,864
Czechoslovakia	69	107	110	58	140	222	228	375	766	1,077	1,156
German Dem Rep	525	566	623	677	738	1,038	1,180	1,233	1,308	1,937	2,649
Hungary	775	1,019	1,054	1,151	1,281	1,359	1,290	1,243	1,420	1,757	1,698
Poland	332	297	446	539	691	772	605	635	653	1,987	1,661
Romania	0	0	0	0	0	2,379	2,690	2,927	3,280	4,366	4,400
USSR	9,729	11,729	12,200	14,400	15,300	15,900	18,100	18,600	18,900	19,100	20,550
Total Eastern Europe	11,430	13,718	14,433	16,825	18,150	21,670	24,093	25,013	26,327	30,224	32,114
TOTAL	85,281	104,290	122,191	147,298	172,588	195,503	217,056	229,944	256,214	298,230	317,978

Table 5  
(continued)

CONTINUOUSLY CAST STEEL  
=====

Percentage of Total Crude Steel Production

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium	4.1	5.7	14.6	21.1	23.4	25.5	30.6	33.0	38.4	49.5	60.0
Denmark	13.1	43.2	50.6	55.7	58.8	73.3	95.8	96.8	97.4	99.5	100.0
France	12.9	18.1	23.7	27.5	29.7	41.3	51.4	58.5	63.8	66.9	80.6
FR of Germany	24.3	28.3	34.0	38.0	39.0	46.0	53.6	61.9	71.8	76.9	79.5
Ireland	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	100.0	100.0	100.0
Italy	27.0	32.2	38.5	41.5	46.4	49.9	50.8	58.5	68.2	73.3	78.4
Luxembourg	0.0	0.0	0.0	0.0	0.0	0.0	7.0	19.4	24.1	26.2	28.3
Netherlands	0.0	0.0	0.0	0.0	0.0	5.9	21.2	31.0	36.0	38.7	39.1
United Kingdom	8.5	9.7	12.5	15.5	16.9	27.1	31.8	39.0	46.6	52.0	54.8
EC Total	16.5	20.1	25.4	28.9	30.9	39.1	45.1	52.8	60.4	65.4	71.1
Austria	21.3	27.8	37.5	39.7	47.5	51.2	62.4	77.3	87.6	89.0	93.4
Finland	76.3	76.1	83.4	88.0	88.8	90.2	91.9	93.4	93.5	94.2	93.5
Norway	15.7	16.0	16.6	15.8	14.8	12.9	16.0	29.3	36.1	51.4	55.6
Portugal	8.4	15.0	36.7	40.1	37.7	42.6	37.2	47.1	43.4	39.6	43.7
Spain	21.0	22.7	25.8	29.0	31.7	36.4	39.5	41.9	45.9	49.4	56.8
Sweden	24.8	28.2	30.6	36.1	38.5	49.0	66.8	76.0	79.7	79.6	80.6
Turkey	0.0	0.0	0.0	0.0	0.0	7.2	13.4	55.7	63.6	72.0	74.3
Yugoslavia	11.3	14.5	25.9	34.3	36.4	36.6	43.2	47.6	51.6	51.8	53.5
Other Western Europe	22.3	24.9	31.0	34.7	37.4	41.7	48.0	56.5	61.4	64.9	68.6
Total Western Europe	17.6	20.9	26.4	29.9	32.1	39.6	45.7	53.6	60.7	65.3	70.5
Canada	13.3	11.9	15.9	20.2	19.9	25.6	32.2	32.8	37.4	38.4	43.6
United States	9.1	10.5	12.5	15.2	16.9	20.3	20.3	29.0	32.1	39.6	44.4
Japan	31.1	35.0	40.8	46.2	52.0	59.5	70.7	78.7	86.3	89.1	91.1
Australia	0.6	0.0	0.0	0.4	5.4	10.3	13.0	17.5	24.6	27.0	27.1
South Africa	20.4	26.2	37.5	43.4	49.3	51.9	55.2	61.2	60.1	61.5	64.7
TOTAL INDUSTRIAL CTS.	18.4	21.1	25.5	28.9	32.3	39.4	44.2	54.9	60.0	64.5	68.7
Argentina	25.6	27.6	27.5	40.6	48.7	53.3	49.2	51.8	48.6	47.4	62.4
Brazil	5.7	12.1	17.4	24.7	27.6	33.4	36.4	41.1	44.3	41.3	43.7
Chile	1.4	2.3	2.0	1.5	1.5	2.1	1.4	0.8	1.3	1.6	1.9
Mexico	13.2	12.9	28.8	29.5	29.5	29.3	32.2	37.9	55.6	54.6	55.1
Venezuela	0.0	0.0	0.0	11.6	27.1	40.5	62.2	68.4	78.3	72.2	72.7
Republic of Korea	19.7	21.9	31.7	36.8	30.6	32.4	44.3	51.1	56.6	60.6	63.3
Taiwan (ROC)	0.0	0.0	24.6	39.1	59.9	56.5	58.5	80.9	84.7	86.6	87.2
TOTAL WESTERN CTS.	18.0	20.7	25.3	29.0	32.3	39.1	43.9	54.2	59.5	63.3	67.2
Czechoslovakia	0.5	0.7	0.7	0.4	0.9	1.5	1.5	2.5	5.1	7.3	7.7
German Dem Rep	8.1	8.4	9.1	9.7	10.5	14.2	15.8	17.2	18.1	25.6	33.7
Hungary	21.1	27.9	28.3	29.7	32.8	36.1	35.4	33.6	39.3	46.8	46.6
Poland	2.2	1.9	2.5	2.8	3.6	4.0	3.8	4.3	4.0	12.0	10.5
Romania	0.0	0.0	0.0	0.0	0.0	18.1	20.7	22.4	26.0	30.2	32.0
USSR	6.9	8.1	8.3	9.5	10.3	10.7	12.2	12.6	12.4	12.4	13.3
Total Eastern Europe	6.0	7.0	7.2	8.1	8.8	10.5	11.8	12.5	12.7	14.3	15.2
TOTAL	14.2	16.5	19.5	22.3	25.2	30.0	33.7	39.7	43.2	47.0	50.0

Table 6  
ARGENTINA

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	0	0	0	285	238	215	163	7	18	308
Railway Track Material	0	0	0	21	21	64	29	25	35	4
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	0	0	0	66	44	50	69	50	45	25
Bars & Light Shapes	0	0	0	222	151	142	246	192	199	157
Re-inforcing Bars (1)	0	0	0	627	552	516	485	476	336	273
Total	0	0	0	915	747	708	800	718	580	455
Wire Rods	0	0	0	58	67	77	93	194	220	328
Hot Rolled Strip	0	0	0	4	11	42	86	90	41	87
Plates	0	0	0	207	272	148	217	153	47	62
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	0	0	0	214	75	30	60	147	242	139
Cold Rolled Sheet & Coil	0	0	0	641	527	392	524	557	527	459
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	0	0	0	152	127	94	88	120	128	21
Other Coated Sheet	0	0	0	7	7	10	6	8	10	1
Total	0	0	0	1,014	736	526	678	832	907	620
Tinplate & Black Plate	0	0	0	71	43	52	87	79	94	89
Wheels & Axles (rolled & forged) (2)	0	0	0	7	8	6	5	3	4	5
Steel Tubes and Fittings (3)	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	157	107	92	117	131	132	92
Cold Rolled Strip	0	0	0	17	23	44	29	32	20	34
Cold Drawn Bars (4)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,756</b>	<b>2,273</b>	<b>1,974</b>	<b>2,304</b>	<b>2,264</b>	<b>2,098</b>	<b>2,084</b>
Special Steel Grades (all products)	0	0	0	528	413	407	434	478	475	458
<b>TOTAL STEEL PRODUCTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,284</b>	<b>2,686</b>	<b>2,381</b>	<b>2,738</b>	<b>2,742</b>	<b>2,573</b>	<b>2,542</b>

(1) Includes concrete reinforcing wire.

(2) Includes other forgings for railway wagons.

(3) Welded tubes are included in plates, sheets and CR strip.

(4) Included in special steels.

Comparable information not available prior to 1979.

## AUSTRALIA

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	18	9	4	4	0	0	0	0	0	0
Ingots & Semis for sale	1,525	1,579	1,299	1,248	1,105	318	425	273	287	308
Railway Track Material	138	99	74	119	141	137	94	150	88	96
Structurals and Bar Mill Products:										
Heavy Structural	254	254	272	298	336	408	393	322	235	232
Bars & Light Shapes	894	777	765	870	990	1,083	1,032	897	727	799
Re-inforcing Bars	0	0	0	0	58	65	0	0	0	0
Total	1,148	1,031	1,037	1,168	1,384	1,556	1,425	1,219	962	1,031
Wire Rods (1)	497	668	855	741	757	720	702	562	525	564
Hot Rolled Strip	181	211	214	189	280	303	273	300	437	465
Plates	574	433	422	411	550	592	600	498	395	353
Sheet and Coil:										
Hot Rolled Sheet & Coil	972	1,248	1,291	1,418	1,498	1,585	1,630	1,393	376	263
Cold Rolled Sheet & Coil	0	0	0	0	0	0	0	0	215	245
Electrical Sheet	0	0	0	0	0	0	0	0	7	7
Galvanised Sheet	0	0	0	0	0	0	0	0	418	371
Other Coated Sheet	0	0	0	0	0	0	0	0	297	344
Total	972	1,248	1,291	1,418	1,498	1,585	1,630	1,393	1,313	1,230
Tinplate & Black Plate	268	332	369	343	366	321	349	348	364	389
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings (2)	158	129	163	155	179	189	157	88	29	48
Drawn Wire (1)	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip (3)	62	100	76	108	141	109	97	51	18	29
Cold Drawn Bars (4)	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	5,541	5,839	5,804	5,904	6,401	5,830	5,752	4,882	4,418	4,513
Special Steel Grades (all products) (4)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	5,541	5,839	5,804	5,904	6,401	5,830	5,752	4,882	4,418	4,513

(1) Wire rod includes wire rod equivalent of wire and wire products.

(2) From 1983, exports only. Material for production included with Hot Rolled Strip.

(3) From 1983, home market only. Exports included with Hot Rolled Strip.

(4) Not separately identified.

From 1983, the figures cover BHP deliveries only and Australian trade statistics. 1985 not yet available.

## AUSTRIA

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	293
Ingots & Semis for sale	238	64	17	13	14	15	132	209	232	41
Railway Track Material	139	149	125	140	167	135	137	141	125	182
Structurals and Bar Mill Products:										
Heavy Structurals	63	57	54	74	64	52	57	45	49	45
Bars & Light Shapes	136	156	118	119	121	123	114	100	143	166
Re-inforcing Bars	207	226	277	214	234	214	200	191	217	143
Total	406	439	449	407	419	389	371	336	409	354
Wire Rods	265	387	318	347	392	420	447	387	420	447
Hot Rolled Strip	149	193	163	164	168	161	142	40	58	68
Plates	610	559	548	659	749	776	907	802	759	878
Sheet and Coil:										
Hot Rolled Sheet & Coil	206	390	343	467	522	447	411	386	420	518
Cold Rolled Sheet & Coil	801	884	938	915	946	865	974	727	1,020	1,086
Electrical Sheet	13	25	27	28	35	31	29	40	25	23
Galvanised Sheet	67	74	94	104	135	132	155	139	165	169
Other Coated Sheet	4	4	4	3	4	4	4	5	4	6
Total	1,091	1,377	1,406	1,517	1,642	1,479	1,573	1,297	1,634	1,802
Tinplate & Black Plate	0	0	0	0	0	0	0	0	0	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	2,898	3,168	3,026	3,247	3,551	3,375	3,709	3,212	3,637	4,065
Special Steel Grades (all products)	287	299	339	340	354	344	313	290	261	286
TOTAL STEEL PRODUCTS	3,185	3,467	3,365	3,587	3,905	3,719	4,022	3,502	3,898	4,351

1985 data not yet available.



## BELGIUM

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	52	33	0	0	0	0	0	0	0	0
Ingot & Semis for sale	822	442	227	196	425	470	442	472	712	646
Railway Track Material	1	1	0	0	0	0	0	0	0	0
Structurals and Bar Mill Products:										
Heavy Structural Bars & Light Shapes	1,167	1,105	1,165	1,218	1,116	964	821	462	519	488
Re-inforcing Bars	827	878	581	570	609	524	392	282	320	264
Total	577	524	385	345	500	404	261	262	202	205
Total	2,571	2,507	2,131	2,133	2,225	1,892	1,474	1,006	1,041	957
Wire Rods	498	525	478	582	655	648	653	572	503	570
Hot Rolled Strip	88	147	101	89	41	27	65	64	58	84
Plates	1,214	1,125	1,141	1,410	1,492	1,488	1,638	1,341	1,084	1,131
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,026	1,424	1,680	2,346	2,435	2,221	2,412	2,002	2,147	2,541
Cold Rolled Sheet & Coil	2,018	2,200	2,234	2,406	2,199	2,020	1,906	1,542	1,444	1,692
Electrical Sheet	71	92	98	108	119	148	120	79	100	95
Galvanised Sheet (1)	475	555	529	626	705	700	715	626	679	734
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	3,590	4,271	4,541	5,486	5,458	5,089	5,153	4,249	4,370	5,062
Tinplate & Black Plate	310	324	380	323	368	372	351	418	473	572
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	9,146	9,375	8,999	10,219	10,664	9,986	9,776	8,122	8,241	9,022
Special Steel Grades (all products)	222	213	191	236	679	668	472	478	510	640
TOTAL STEEL PRODUCTS	9,368	9,588	9,190	10,455	11,343	10,654	10,248	8,600	8,751	9,662

(1) Other Coated Sheet included with Galvanised Sheet.

Excluding tonnages of coils re-exported after sub-contract rolling for other EC steelworks.

1985 data not yet available.

## BRAZIL

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	315	397	327	313	1,004	919	536	400	703	2,530
Railway Track Material	184	78	62	28	108	113	57	104	76	88
Structurals and Bar Mill Products:										
Heavy Structurals	446	497	446	478	212	243	219	162	129	142
Bars & Light Shapes	1,607	1,798	1,826	0	698	728	521	537	645	819
Re-inforcing Bars	ERR	ERR	ERR	2,004	1,587	1,682	1,796	1,722	1,794	2,218
Total	2,053	2,295	2,272	2,482	2,497	2,653	2,536	2,421	2,568	3,179
Wire Rods	165	225	211	229	256	307	383	420	429	484
Hot Rolled Strip	0	0	0	0	0	0	0	0	0	0
Plates	854	778	1,114	1,295	1,975	2,337	2,018	1,636	1,773	2,107
Sheet and Coil:										
Hot Rolled Sheet & Coil	674	899	1,172	1,231	1,397	1,607	1,242	1,701	2,607	2,702
Cold Rolled Sheet & Coil	942	1,060	1,265	1,458	1,719	1,920	1,554	1,703	1,987	2,015
Electrical Sheet	20	26	26	24	21	37	29	45	41	53
Galvanised Sheet	103	107	127	192	182	191	169	182	166	193
Other Coated Sheet	3	41	29	100	39	31	49	63	93	123
Total	1,742	2,133	2,619	3,005	3,358	3,786	3,043	3,694	4,894	5,086
Tinplate & Black Plate	294	381	484	548	588	652	406	541	476	517
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	152	180	174	187	224	276	305	281	178	294
Drawn Wire (1)	645	585	752	771	35	1,012	839	920	798	923
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	45	67	46	41	43	70
TOTAL CARBON STEELS	6,404	7,052	8,015	8,858	10,090	12,122	10,169	10,458	11,938	15,278
Special Steel Grades (all products)	0	0	0	0	832	980	814	753	723	1,046
TOTAL STEEL PRODUCTS	6,404	7,052	8,015	8,858	10,922	13,102	10,983	11,211	12,661	16,324

## CANADA

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes (1)	0	0	0	0	0	0	0	0	0	228
Ingots & Semis for sale	451	626	702	596	761	1,328	524	778	557	140
Railway Track Material (2)	486	433	392	527	953	938	469	499	568	526
Structurals and Bar Mill Products:										
Heavy Structural (2)	0	0	0	0	0	0	0	0	0	0
Bars & Light Shapes (2)	1,470	1,689	2,115	2,295	1,571	1,533	1,071	1,259	1,417	1,673
Re-inforcing Bars (3)	559	586	707	716	855	949	691	750	730	860
Total	2,029	2,275	2,822	3,011	2,426	2,482	1,762	2,009	2,147	2,533
Wire Rods (4)	726	784	1,007	1,181	1,218	1,002	905	1,003	1,099	1,042
Hot Rolled Strip (5)	0	0	0	0	0	0	0	0	0	0
Plates	1,101	1,178	1,524	1,800	1,875	1,921	1,208	1,065	1,545	1,530
Sheet and Coil:										
Hot Rolled Sheet & Coil	2,455	2,454	2,540	2,617	2,310	2,342	2,002	2,131	2,836	3,082
Cold Rolled Sheet & Coil	1,750	1,824	2,008	2,063	1,944	1,862	1,764	1,867	1,969	2,014
Electrical Sheet (6)	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	837	914	1,091	1,111	1,014	999	975	1,007	1,118	1,250
Other Coated Sheet (6)	0	0	0	0	0	0	0	0	0	0
Total	5,042	5,192	5,639	5,791	5,268	5,203	4,741	5,005	5,923	6,346
Tinplate & Black Plate (6)	0	0	0	0	0	0	0	0	0	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	1,192	1,094	1,272	1,861	1,574	1,969	1,194	1,029	1,421	1,611
Drawn Wire (4)	551	625	889	823	1,035	641	533	616	0	0
Cold Rolled Strip (6)	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	80	94	108	117	102	107	71	91	123	0
<b>TOTAL CARBON STEELS</b>	<b>11,658</b>	<b>12,301</b>	<b>14,355</b>	<b>15,707</b>	<b>15,212</b>	<b>15,591</b>	<b>11,407</b>	<b>12,095</b>	<b>13,383</b>	<b>13,956</b>
Special Steel Grades (all products) (7)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>11,658</b>	<b>12,301</b>	<b>14,355</b>	<b>15,707</b>	<b>15,212</b>	<b>15,591</b>	<b>11,407</b>	<b>12,095</b>	<b>13,383</b>	<b>13,956</b>

(1) Included with Ingots and Semis. 1985: home deliveries only.

(2) Railway Track Material includes Heavy Structural.

Heavy Sections are included with Bars and Light Shapes.

(3) Exports of Hot Rolled Bars included with Re-inforcing Bars.

(4) Includes Drawn Wire (1984 on).

(5) Included with Hot Rolled Sheet and Coil.

(6) Included with Cold Rolled Sheet and Coil.

(7) Included with Carbon Steel Grades.

## FRANCE

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CARBON STEEL GRADES:										
Semis for Seamless Tubes	512	469	497	498	491	343	285	165	140	119
Ingots & Semis for sale	394	328	296	260	334	190	269	404	528	813
Railway Track Material	466	288	250	322	314	254	254	191	212	217
Structurals and Bar Mill Products:										
Heavy Structurals	1,204	1,037	1,135	987	983	938	768	769	727	698
Bars & Light Shapes	1,156	932	867	962	1,000	790	760	741	759	729
Re-inforcing Bars	1,002	930	859	977	738	719	560	548	532	555
Total	3,362	2,899	2,861	2,926	2,721	2,447	2,088	2,058	2,018	1,982
Wire Rods	1,960	1,820	1,989	2,143	2,084	2,022	1,564	1,638	1,749	1,938
Hot Rolled Strip	1,230	1,118	1,215	1,192	1,029	836	682	621	552	493
Plates	2,244	2,763	2,332	2,112	2,455	2,564	1,540	1,590	1,618	1,675
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,062	1,453	1,500	1,425	1,320	1,462	1,079	1,429	1,611	1,519
Cold Rolled Sheet & Coil	3,711	3,468	3,720	3,372	3,252	3,000	2,189	2,291	2,322	2,441
Electrical Sheet	194	153	160	195	254	211	198	248	235	236
Galvanised Sheet	551	856	974	1,101	1,152	1,189	1,141	1,264	1,496	1,597
Other Coated Sheet (1)	256	0	0	0	0	0	0	0	0	0
Total	5,774	5,930	6,354	6,093	5,978	5,862	4,607	5,232	5,664	5,793
Tinplate & Black Plate	917	1,108	1,152	1,108	1,143	1,008	880	944	965	974
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	16,859	16,723	16,946	16,654	16,549	15,526	12,169	12,843	13,446	14,004
Special Steel Grades (all products)	2,058	2,611	2,723	2,944	3,011	2,862	1,969	2,137	2,658	2,450
TOTAL STEEL PRODUCTS	18,917	19,334	19,669	19,598	19,560	18,388	14,138	14,980	16,104	16,454

(1) Included with Galvanised Sheet.

F R GERMANY

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	1,022	911	929	971	890	984	480	188	179	170
Ingots & Semis for sale	4,345	4,228	4,889	5,610	5,603	5,832	4,866	5,021	6,547	6,807
Railway Track Material	519	414	440	531	456	477	380	310	336	397
Structurals and Bar Mill Products:										
Heavy Structurals	2,141	2,096	2,305	2,022	2,209	1,975	1,507	1,549	1,404	1,553
Bars & Light Shapes	3,211	2,952	3,126	3,431	3,186	2,700	2,290	2,160	2,277	3,161
Re-inforcing Bars	1,584	1,204	1,077	1,403	1,246	1,055	865	958	887	0
Total	6,936	6,252	6,508	6,856	6,641	5,730	4,662	4,667	4,568	4,714
Wire Rods	3,521	3,247	3,379	4,016	3,626	3,384	2,846	3,158	3,317	3,438
Hot Rolled Strip	2,595	2,329	2,330	2,654	2,516	2,384	2,115	2,100	2,150	2,085
Plates	6,325	6,415	7,262	7,661	7,194	7,816	6,329	6,099	6,672	7,369
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,307	1,301	1,390	1,562	1,774	1,858	1,646	1,705	2,449	2,443
Cold Rolled Sheet & Coil	4,813	5,283	5,316	5,619	5,478	5,317	4,955	4,948	5,088	5,159
Electrical Sheet	425	333	378	361	372	363	352	406	480	483
Galvanised Sheet	1,471	1,421	1,453	1,724	1,751	1,693	1,678	1,778	1,976	1,940
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	8,016	8,338	8,537	9,266	9,375	9,231	8,631	8,837	9,993	10,025
Tinplate & Black Plate	861	852	813	858	963	843	878	890	919	891
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>34,140</b>	<b>32,986</b>	<b>35,087</b>	<b>38,423</b>	<b>37,264</b>	<b>36,681</b>	<b>31,187</b>	<b>31,270</b>	<b>34,681</b>	<b>35,896</b>
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>34,140</b>	<b>32,986</b>	<b>35,087</b>	<b>38,423</b>	<b>37,264</b>	<b>36,681</b>	<b>31,187</b>	<b>31,270</b>	<b>34,681</b>	<b>35,896</b>

Since 1981, figures are production, not deliveries, and are based on data published by the United Nations Economic Commission for Europe.

In 1985, Re-inforcing Bars are included with Bars and Light Shapes.

## ITALY

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	780	754	768	730	725	645	676	523	606	582
Ingots & Semis for sale	344	256	330	310	418	850	825	871	616	552
Railway Track Material	235	232	208	230	204	214	230	217	275	255
Structurals and Bar Mill Products:										
Heavy Structural	595	630	840	686	855	1,058	883	966	750	570
Bars & Light Shapes	2,341	2,773	3,094	2,676	2,830	2,773	2,381	2,592	2,260	2,133
Re-inforcing Bars	4,754	4,535	4,708	5,376	5,434	4,680	3,527	3,359	3,474	3,454
Total	7,690	7,938	8,642	8,738	9,119	8,511	6,791	6,917	6,484	6,157
Wire Rods	851	959	1,207	1,203	1,399	1,317	1,500	1,530	1,750	1,767
Hot Rolled Strip	746	704	703	717	809	732	552	438	491	262
Plates	2,706	2,592	2,633	2,543	2,694	3,074	2,761	2,477	2,841	2,802
Sheet and Coil:										
Hot Rolled Sheet & Coil	933	957	1,056	1,153	1,177	1,305	1,357	1,423	1,447	1,564
Cold Rolled Sheet & Coil	2,583	2,427	2,515	2,368	2,314	2,345	2,229	2,172	2,149	2,198
Electrical Sheet	196	187	208	208	201	167	175	196	205	198
Galvanised Sheet	455	471	549	554	535	617	595	653	708	797
Other Coated Sheet	50	68	68	96	107	140	139	64	71	29
Total	4,217	4,110	4,396	4,379	4,334	4,574	4,495	4,508	4,580	4,786
Tinplate & Black Plate	381	370	405	414	409	414	427	501	499	454
Wheels & Axles (rolled & forged)	36	31	28	53	61	51	52	46	39	29
Steel Tubes and Fittings	3,478	3,187	3,409	3,240	3,436	4,299	3,713	3,663	3,837	3,034
Drawn Wire	1,063	1,043	937	939	856	638	776	828	849	582
Cold Rolled Strip	547	521	563	553	504	444	461	477	490	431
Cold Drawn Bars	400	407	500	566	671	661	563	592	708	648
<b>TOTAL CARBON STEELS</b>	<b>23,474</b>	<b>23,104</b>	<b>24,729</b>	<b>24,615</b>	<b>25,639</b>	<b>26,424</b>	<b>23,822</b>	<b>23,588</b>	<b>24,065</b>	<b>22,341</b>
Special Steel Grades (all products) (1)	3,076	3,095	3,598	3,529	3,702	3,827	3,572	3,009	3,649	4,048
<b>TOTAL STEEL PRODUCTS</b>	<b>26,550</b>	<b>26,199</b>	<b>28,327</b>	<b>28,144</b>	<b>29,341</b>	<b>30,251</b>	<b>27,394</b>	<b>26,597</b>	<b>27,714</b>	<b>26,389</b>

(1) ECSC steel products only

## JAPAN

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	283	254	255	293	271	252	221	233	270	238
Railway Track Material	385	580	648	545	518	436	496	450	614	596
<b>Structurals and Bar Mill Products:</b>										
Heavy Structural	6,666	5,850	6,202	7,376	7,424	7,519	7,515	7,118	7,409	7,040
Bars & Light Shapes	14,858	14,335	15,470	19,023	18,410	15,969	16,496	16,667	16,935	18,391
Re-inforcing Bars (1)	0	0	0	0	0	0	0	0	0	0
Total	21,524	20,185	21,672	26,399	25,834	23,488	24,011	23,785	24,344	25,431
Wire Rods	5,912	5,396	5,303	5,248	5,367	4,096	3,729	4,257	4,562	4,435
Hot Rolled Strip (2)	0	0	0	0	0	0	0	0	0	0
Plates	13,445	12,160	10,364	10,762	11,232	10,504	9,596	8,558	9,828	9,826
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	10,449	10,367	10,464	11,675	11,111	8,829	8,565	9,290	9,174	8,776
Cold Rolled Sheet & Coil	12,538	12,479	11,769	12,393	12,648	11,470	10,962	11,488	11,698	11,549
Electrical Sheet	1,040	1,040	1,136	1,220	1,025	947	1,021	1,181	1,301	1,265
Galvanised Sheet	5,640	5,699	5,664	6,519	6,562	5,940	6,205	6,810	7,709	8,139
Other Coated Sheet	770	901	972	1,119	1,168	1,149	1,186	1,509	1,824	1,875
Total	30,437	30,486	30,005	32,926	32,514	28,335	27,939	30,278	31,706	31,604
Tinplate & Black Plate	1,772	1,891	1,782	1,865	1,886	1,673	1,626	1,608	1,619	1,577
Wheels & Axles (rolled & forged)	122	103	83	97	102	78	65	96	69	54
Steel Tubes and Fittings	7,401	8,013	8,561	9,516	9,582	9,563	8,628	7,446	8,281	8,273
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip (3)	206	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>81,487</b>	<b>79,068</b>	<b>78,673</b>	<b>87,651</b>	<b>87,306</b>	<b>78,425</b>	<b>76,311</b>	<b>76,711</b>	<b>81,293</b>	<b>82,034</b>
Special Steel Grades (all products)	9,832	10,279	11,665	12,483	12,915	13,546	13,976	13,430	15,456	16,421
<b>TOTAL STEEL PRODUCTS</b>	<b>91,319</b>	<b>89,347</b>	<b>90,338</b>	<b>100,134</b>	<b>100,221</b>	<b>91,971</b>	<b>90,287</b>	<b>90,141</b>	<b>96,749</b>	<b>98,455</b>

(1) Re-inforcing Bars included with Bars &amp; Light Shapes.

(2) Hot Rolled Strip included with Hot Rolled Sheet &amp; Coil.

(3) Cold Rolled Strip included with Cold Rolled Sheet &amp; Coil.

## LUXEMBOURG

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	463	468	337	750	961	1,005	1,191	1,231	898	908
Railway Track Material	185	179	181	170	199	200	200	169	106	124
Structurals and Bar Mill Products:										
Heavy Structurals	819	806	930	958	928	1,038	1,050	931	825	832
Bars & Light Shapes	504	412	410	461	452	423	287	391	316	353
Re-inforcing Bars	520	512	378	401	457	434	366	319	352	399
Total	1,843	1,730	1,718	1,820	1,837	1,895	1,703	1,641	1,493	1,584
Wire Rods	291	302	326	289	325	348	311	268	290	325
Hot Rolled Strip	761	784	781	715	698	727	574	464	465	338
Plates	194	169	195	161	186	186	208	180	179	1
Sheet and Coil:										
Hot Rolled Sheet & Coil	0	0	0	0	0	0	0	0	0	264
Cold Rolled Sheet & Coil	192	218	223	220	220	203	185	166	154	150
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	47	50	60	50	56	61	65	72	67	66
Other Coated Sheet	0	0	0	0	0	0	0	0	43	183
Total	239	268	283	270	276	264	250	238	264	663
Tinplate & Black Plate	0	0	0	0	0	0	0	0	0	0
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	22
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>3,976</b>	<b>3,900</b>	<b>3,821</b>	<b>4,175</b>	<b>4,482</b>	<b>4,625</b>	<b>4,437</b>	<b>4,191</b>	<b>3,695</b>	<b>3,965</b>
Special Steel Grades (all products)	110	164	148	192	179	147	51	51	51	44
<b>TOTAL STEEL PRODUCTS</b>	<b>4,086</b>	<b>4,064</b>	<b>3,969</b>	<b>4,367</b>	<b>4,661</b>	<b>4,772</b>	<b>4,488</b>	<b>4,242</b>	<b>3,746</b>	<b>4,009</b>

1985 data not yet available.



## NETHERLANDS

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	8	14	42	18	0	0	0	0	0	0
Ingots & Semis for sale	1,249	828	1,036	1,235	1,281	1,408	855	1,090	1,706	1,701
Railway Track Material	0	0	0	0	0	0	0	0	0	0
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	0	0	0	0	0	0	0	0	0	0
Bars & Light Shapes	0	0	0	0	0	0	0	0	0	0
Re-inforcing Bars	228	292	302	316	253	234	180	215	226	262
Total	228	292	302	316	253	234	180	215	226	262
Wire Rods	342	302	313	337	362	302	269	222	234	228
Hot Rolled Strip	182	171	222	288	232	237	203	230	230	255
Plates	331	339	318	334	309	303	248	214	280	256
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	444	650	670	701	469	638	641	591	708	703
Cold Rolled Sheet & Coil	1,258	1,189	1,364	1,263	1,065	1,090	967	966	981	932
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	0	0	0	0	0	0	0	0	0	0
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	1,702	1,839	2,034	1,964	1,534	1,728	1,608	1,557	1,689	1,635
Tinplate & Black Plate	452	464	462	498	504	513	516	525	566	533
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>4,494</b>	<b>4,249</b>	<b>4,729</b>	<b>4,990</b>	<b>4,475</b>	<b>4,725</b>	<b>3,879</b>	<b>4,053</b>	<b>4,931</b>	<b>4,870</b>
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>4,494</b>	<b>4,249</b>	<b>4,729</b>	<b>4,990</b>	<b>4,475</b>	<b>4,725</b>	<b>3,879</b>	<b>4,053</b>	<b>4,931</b>	<b>4,870</b>

Production, not deliveries.

## PORTUGAL

## TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	0	0	0	2	5	2	2	13	3	0
Railway Track Material	0	0	0	1	3	3	8	3	0	0
Structurals and Bar Mill Products:										
Heavy Structurals	0	0	0	17	17	25	27	16	19	27
Bars & Light Shapes	0	0	0	81	91	91	103	74	85	91
Re-inforcing Bars	0	0	0	334	374	382	399	331	312	262
Total	0	0	0	432	482	498	529	421	416	380
Wire Rods	0	0	0	88	95	90	86	126	145	207
Hot Rolled Strip	0	0	0	0	0	0	0	0	0	0
Plates	0	0	0	0	0	0	0	0	0	0
Sheet and Coil:										
Hot Rolled Sheet & Coil	0	0	0	0	0	0	0	0	0	0
Cold Rolled Sheet & Coil	0	0	0	62	80	61	58	54	56	29
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	0	0	0	42	38	36	36	36	62	88
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	104	118	97	94	90	118	117
Tinplate & Black Plate	0	0	0	62	70	54	65	62	69	56
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	0	0	0	689	773	744	784	715	751	760
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	0	0	0	689	773	744	784	715	751	760

Comparable data not available for years before 1979.

## SPAIN

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	223	145	274	339	398	406	443	385	530	535
Ingots & Semis for sale	242	166	160	342	632	612	786	802	683	1,158
Railway Track Material	73	103	92	82	89	118	98	97	85	57
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	1,083	1,283	1,362	1,187	1,409	1,563	1,348	1,423	1,393	1,558
Bars & Light Shapes	1,476	1,423	1,468	1,587	1,633	1,545	1,452	1,528	1,609	1,517
Re-inforcing Bars	1,276	1,281	1,408	1,818	1,847	2,177	2,226	2,201	2,869	2,976
Total	3,835	3,987	4,238	4,592	4,889	5,285	5,026	5,152	5,871	6,051
Wire Rods	578	676	655	626	553	525	662	723	968	958
Hot Rolled Strip	306	257	251	288	278	204	216	223	250	297
Plates	1,170	1,050	1,007	929	1,027	1,012	749	608	639	576
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	1,275	1,104	1,584	1,059	744	769	407	800	992	916
Cold Rolled Sheet & Coil	1,094	1,151	1,167	1,187	1,082	1,092	1,213	1,263	1,197	1,292
Electrical Sheet	40	38	32	40	48	26	25	20	31	33
Galvanised Sheet	261	257	331	279	282	328	347	374	405	351
Other Coated Sheet	15	16	24	26	24	9	9	11	10	10
Total	2,685	2,566	3,138	2,591	2,180	2,224	2,001	2,468	2,635	2,602
Tinplate & Black Plate	237	298	286	337	346	402	436	434	528	392
Wheels & Axles (rolled & forged)	18	19	22	19	26	31	25	19	17	22
Steel Tubes and Fittings	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
<b>TOTAL CARBON STEELS</b>	<b>9,367</b>	<b>9,267</b>	<b>10,123</b>	<b>10,145</b>	<b>10,418</b>	<b>10,819</b>	<b>10,442</b>	<b>10,911</b>	<b>12,206</b>	<b>12,648</b>
Special Steel Grades (all products) (1)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL STEEL PRODUCTS</b>	<b>9,367</b>	<b>9,267</b>	<b>10,123</b>	<b>10,145</b>	<b>10,418</b>	<b>10,819</b>	<b>10,442</b>	<b>10,911</b>	<b>12,206</b>	<b>12,648</b>

(1) Included above.

## UNITED KINGDOM

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CARBON STEEL GRADES:										
Semis for Seamless Tubes	1	0	6	3	2	11	1	0	0	0
Ingot & Semis for sale	460	590	500	630	388	379	497	615	483	557
Railway Track Material	233	252	240	259	161	227	221	261	232	216
Structurals and Bar Mill Products:										
Heavy Structural (1)	1,692	1,714	1,676	1,831	1,211	1,777	1,566	1,538	1,423	1,643
Bars & Light Shapes	1,778	1,619	1,650	1,503	1,102	956	809	794	803	811
Re-inforcing Bars	974	939	1,041	1,102	781	807	723	824	811	936
Total	4,444	4,272	4,367	4,436	3,094	3,540	3,098	3,156	3,037	3,390
Wire Rods	1,147	1,252	1,278	1,452	839	958	795	857	956	948
Hot Rolled Strip	429	395	351	345	174	167	171	179	215	209
Plates	2,005	2,036	2,025	2,220	1,237	1,582	1,490	2,368	1,480	1,518
Sheet and Coil: (2)										
Hot Rolled Sheet & Coil	197	198	202	223	151	249	171	2,002	2,354	2,372
Cold Rolled Sheet & Coil	1,619	1,583	1,533	1,435	617	1,109	980			
Electrical Sheet	242	239	227	198	78	107	120			
Galvanised Sheet	382	347	403	513	381	595	563			
Other Coated Sheet	249	251	281	353	99	141	183			
Total	2,689	2,618	2,646	2,722	1,326	2,201	2,017	2,002	2,354	2,372
Tinplate & Black Plate	1,127	1,166	1,110	1,152	624	862	910	685	967	911
Wheels & Axles (rolled & forged)	61	47	46	48	43	47	39	24	12	0
Steel Tubes and Fittings	1,209	1,133	1,193	1,200	820	1,004	1,085	791	1,222	1,153
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	443	430	422	405	291	285	278	210	287	289
Cold Drawn Bars	471	478	449	423	304	288	257	255	304	280
TOTAL CARBON STEELS	14,719	14,669	14,633	15,295	9,303	11,551	10,859	11,403	11,549	11,843
Special Steel Grades (all products)	1,131	1,153	1,196	1,343	898	971	966	894	969	1,066
TOTAL STEEL PRODUCTS	15,850	15,822	15,829	16,638	10,201	12,522	11,825	12,297	12,518	12,909

(1) Includes Heavy Bars.

(2) From 1983, no further breakdown available.

## UNITED STATES

## TOTAL DELIVERIES OF STEEL PRODUCTS

=====

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>CARBON STEEL GRADES:</b>										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	1,239	1,059	1,298	1,391	1,676	1,533	473	480	743	828
Railway Track Material	1,555	1,388	1,194	1,438	1,269	1,075	595	683	974	691
<b>Structurals and Bar Mill Products:</b>										
Heavy Structurals	3,335	3,494	3,945	4,309	3,993	3,810	2,661	2,663	3,150	3,780
Bars & Light Shapes	5,763	6,391	6,685	6,607	4,476	4,796	3,083	4,275	4,702	4,408
Re-inforcing Bars	3,511	3,785	4,219	4,745	4,184	3,866	3,139	3,700	3,885	3,962
<b>Total</b>	<b>12,609</b>	<b>13,670</b>	<b>14,849</b>	<b>15,661</b>	<b>12,653</b>	<b>12,472</b>	<b>8,883</b>	<b>10,638</b>	<b>11,737</b>	<b>12,150</b>
Wire Rods	1,672	1,576	2,232	2,491	2,359	2,679	2,096	2,526	2,709	2,642
Hot Rolled Strip	1,016	900	829	772	526	512	391	488	498	467
Plates	5,086	5,315	5,929	6,123	5,618	5,201	2,746	2,525	2,863	2,781
<b>Sheet and Coil:</b>										
Hot Rolled Sheet & Coil	13,117	12,371	12,703	13,044	9,783	10,833	7,327	9,488	10,781	10,477
Cold Rolled Sheet & Coil	16,148	15,553	15,512	14,955	11,470	12,375	9,521	11,690	11,660	11,555
Electrical Sheet	73	79	91	102	103	74	31	48	43	21
Galvanised Sheet	4,698	5,129	5,773	5,670	4,650	5,218	4,599	5,513	5,853	6,537
Other Coated Sheet	766	837	897	877	650	736	624	851	1,038	1,024
<b>Total</b>	<b>34,802</b>	<b>33,969</b>	<b>34,976</b>	<b>34,648</b>	<b>26,656</b>	<b>29,236</b>	<b>22,102</b>	<b>27,590</b>	<b>29,375</b>	<b>29,614</b>
Tinplate & Black Plate	5,839	5,790	5,490	5,679	5,138	4,434	3,889	3,878	3,787	3,570
Wheels & Axles (rolled & forged)	272	299	315	352	314	187	95	64	85	94
Steel Tubes and Fittings	4,611	5,519	5,892	5,948	6,528	7,029	3,459	2,482	3,292	3,079
Drawn Wire (1)	2,187	2,131	2,211	2,152	1,558	1,481	1,177	1,203	1,078	1,020
Cold Rolled Strip	763	788	831	802	599	683	494	604	654	570
Cold Drawn Bars	1,214	1,321	1,522	1,634	1,128	1,168	725	841	1,029	889
<b>TOTAL CARBON STEELS</b>	<b>72,865</b>	<b>73,725</b>	<b>77,568</b>	<b>79,091</b>	<b>66,022</b>	<b>67,690</b>	<b>47,125</b>	<b>54,002</b>	<b>58,824</b>	<b>58,395</b>
Special Steel Grades (all products)	8,280	8,962	10,573	11,145	9,445	10,563	6,720	6,643	8,062	8,141
<b>TOTAL STEEL PRODUCTS</b>	<b>81,145</b>	<b>82,687</b>	<b>88,141</b>	<b>90,236</b>	<b>75,467</b>	<b>78,253</b>	<b>53,845</b>	<b>60,645</b>	<b>66,886</b>	<b>66,536</b>

(1) Includes Wire Products.

TABLE 7

## EXPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium/Luxembourg	12,712	12,189	13,422	14,432	13,778	12,759	10,841	11,350	12,690	12,726
Denmark	332	470	547	676	646	586	475	799	640	543
France	8,547	10,135	10,921	11,073	11,310	11,416	9,393	9,529	11,187	11,408
FR of Germany	15,275	15,664	18,674	19,509	19,328	19,332	17,307	16,674	18,910	20,634
Greece	354	224	461	482	522	377	361	488	716	708
Ireland	33	31	58	26	37	36	56	115	144	187
Italy	6,051	6,740	8,271	6,895	6,771	8,234	6,991	7,367	7,779	8,007
Netherlands	4,423	4,102	4,582	4,957	4,569	4,908	4,004	4,230	5,105	5,136
United Kingdom	3,672	4,399	4,376	4,551	2,753	4,123	3,519	4,083	4,138	4,893
EC Total	51,399	53,954	61,312	62,601	59,714	61,771	52,947	54,635	61,309	64,242
Austria	2,029	2,019	2,182	2,506	2,371	2,702	2,455	2,706	3,194	3,191
Finland	539	959	1,187	1,161	954	1,116	948	1,162	1,243	1,375
Norway	628	484	591	735	653	669	574	705	733	754
Portugal	71	28	33	100	71	20	32	167	228	322
Spain	2,443	2,678	4,106	4,234	4,533	5,021	5,127	5,704	6,593	7,781
Sweden	1,682	1,887	2,228	2,365	2,125	2,011	2,230	2,325	2,826	3,088
Switzerland	183	214	472	594	568	566	594	894	930	911
Turkey	24	10	20	6	14	125	174	1,056	1,393	2,900
Yugoslavia	472	285	336	302	210	264	371	568	781	1,181
Other Western Europe	8,071	8,564	11,155	12,003	11,499	12,494	12,505	15,287	17,921	21,503
Total Western Europe	59,470	62,518	72,467	74,604	71,213	74,265	65,452	69,922	79,230	85,745
Canada	1,816	2,142	2,763	2,680	3,534	3,575	3,193	2,976	3,459	3,586
United States	2,517	1,906	2,300	2,650	3,763	2,682	1,696	1,097	901	867
Japan	36,009	33,400	30,856	30,659	29,693	28,456	28,641	30,875	31,929	31,527
Australia	2,361	2,483	2,571	1,710	1,555	1,549	1,313	1,294	900	1,400
New Zealand	45	45	45	45	125	45	87	120	160	160 E
South Africa	1,085	2,117	2,215	2,214	1,693	1,630	1,985	1,739	1,708	2,899
TOTAL INDUSTRIAL CTS.	103,303	104,611	113,217	114,562	111,576	112,202	102,367	108,023	118,287	126,184
Argentina	337	242	741	490	286	590	752	673	542	1,111
Brazil	264	368	934	1,478	1,506	1,850	2,386	5,133	6,441	7,143
Chile	50	32	78	32	9	5	163	145	99	168
Colombia	3	0	6	5	9	4	0	0	0	0 E
Costa Rica	20	26	19	17	25	17	7	8	17	17 E
El Salvador	8	7	3	31	10	2	1	0	0	0 E
Guatemala	4	10	13	13	16	19	19	16	10	10 E
Honduras	1	2	0	3	3	1	2	1	1	1 E
Mexico	145	240	367	252	67	42	293	1,004	886	437
Peru	1	4	8	25	6	0	8	15	2	19
Trinidad and Tobago	0	0	0	0	0	0	95	136	110	110 E
Venezuela	1	41	65	180	241	388	293	852	801	1,074
Others	4	15	13	11	10	5	2	5	2	2
Total Latin America	838	987	2,247	2,537	2,188	2,923	4,021	7,988	8,911	10,092

TABLE 7  
(continued)

## EXPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Egypt	24	7	56	59	17	31	14	33	11	10 E
Zimbabwe	106	135	536	467	534	319	381	383	385	385
Total Africa	130	142	592	526	551	350	395	416	396	395
Israel	0	0	0	15	61	25	4	2	3	3 E
Jordan	0	0	0	6	5	5	7	2	4	5 E
Kuwait	177	178	62	79	70	210	210	150	150	150 E
Qatar	0	0	70	330	440	450	393	395	443	480 E
Total Middle East	177	178	132	430	576	690	614	549	600	638
Hong Kong	14	19	39	66	112	115	125	307	59	50 E
India	1,420	1,114	298	61	49	0	11	25	154	150 E
Indonesia	0	0	6	115	24	16	2	0	0	116
Republic of Korea	1,418	1,331	1,631	3,144	4,535	4,772	5,634	5,728	5,913	5,615
Malaysia	11	14	70	90	89	19	19	10	0	0 E
Philippines	18	17	53	85	123	10	1	3	0	0 E
Singapore	177	372	494	356	414	412	412	317	408	382
Taiwan (ROC)	276	312	882	1,514	769	1,193	1,848	2,090	1,946	1,887
Thailand	12	9	29	39	78	82	52	37	70	70 E
Total Asia	3,346	3,188	3,502	5,470	6,193	6,619	8,104	8,517	8,550	8,270
TOTAL DEVELOPING CTS.	4,491	4,495	6,473	8,963	9,508	10,582	13,134	17,470	18,457	19,395
TOTAL WESTERN WORLD	107,794	109,106	119,690	123,525	121,084	122,784	115,501	125,493	136,744	145,579
Bulgaria	1,114	1,049	1,079	922	1,050	1,073	933	895	1,042	920
Czechoslovakia	3,400	3,450	3,596	3,527	3,473	3,407	3,299	3,499	3,774	3,893
German Dem Rep	1,808	1,935	1,842	2,187	2,618	3,139	2,893	4,176	4,096	3,974
Hungary	1,255	1,295	1,139	1,417	1,220	1,112	1,021	1,126	1,423	1,300
Poland	1,579	1,794	1,923	1,988	1,936	1,667	1,639	2,336	2,301	2,137
Romania	2,100	1,640	2,239	1,948	1,984	2,083	1,901	2,175	2,779	2,932
USSR (E)	7,503	7,387	7,368	7,407	7,184	7,089	7,575	5,320	5,473	5,500
Total Eastern Europe	18,759	18,550	19,186	19,396	19,465	19,570	19,261	19,527	20,888	20,656
China	339	222	332	368	398	607	701	492	268	155
TOTAL CPE'S	19,098	18,772	19,518	19,764	19,863	20,177	19,962	20,019	21,156	20,811
WORLD TOTAL	126,892	127,878	139,208	143,289	140,947	142,961	135,463	145,512	157,900	166,390

TABLE 8

## IMPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium/Luxembourg	3,347	3,164	3,046	3,086	3,056	2,777	2,771	3,256	3,536	3,480
Denmark	1,487	1,421	1,264	1,376	1,411	1,442	1,722	1,447	1,561	1,695
France	8,844	8,150	8,421	8,943	8,822	8,233	8,371	7,576	8,173	7,844
FR of Germany	11,318	11,321	12,140	12,779	11,809	11,744	10,550	11,954	11,666	12,127
Greece	715	734	946	1,206	1,171	1,095	982	1,447	1,620	1,196
Ireland	343	355	408	515	359	455	427	334	373	365
Italy	5,196	5,193	4,412	6,759	6,991	4,917	4,848	4,786	5,760	6,189
Netherlands	3,954	3,567	3,737	3,608	3,890	3,457	3,414	3,231	3,767	4,063
United Kingdom	4,135	3,768	3,742	3,859	4,707	3,403	3,932	3,429	3,646	3,874
EC Total	39,339	37,673	38,116	42,131	42,216	37,523	37,017	37,460	40,102	40,833
Austria	661	821	990	796	933	905	864	895	996	1,041
Finland	652	447	426	495	618	622	661	624	616	704
Norway	1,260	1,414	1,079	1,035	1,340	1,135	1,251	1,039	1,140	1,163
Portugal	589	768	761	421	640	624	979	501	642	695
Spain	2,704	1,096	764	1,074	1,681	1,138	1,374	1,039	1,133	1,462
Sweden	2,282	1,730	1,787	2,012	1,981	1,724	1,915	1,820	1,959	1,754
Switzerland	1,334	1,534	1,533	1,733	1,950	1,795	1,572	1,821	2,026	2,035
Turkey	1,479	2,189	1,099	543	708	874	905	1,415	2,205	2,900
Yugoslavia	1,579	1,961	1,989	2,022	1,971	2,040	1,552	1,526	1,560	1,687
Others	102	146	149	194	146	132	160	200	200	200 E
Other Western Europe	12,642	12,106	10,577	10,325	11,968	10,989	11,233	10,880	12,477	13,641
Total Western Europe	51,981	49,779	48,693	52,456	54,184	48,512	48,250	48,340	52,579	54,474
Canada	1,308	1,454	1,637	2,146	1,448	3,012	1,198	1,287	2,137	2,494 E
United States	12,642	17,163	18,755	15,891	13,747	17,729	15,164	15,202	23,441	21,748
Japan	159	222	361	1,468	1,165	1,557	2,011	2,744	4,003	2,903
Australia	1,400	1,079	553	418	523	800	900	600	700	700
New Zealand	548	564	457	643	439	468	544	559	600	600 E
South Africa	261	121	138	94	124	161	168	179	243	192
TOTAL INDUSTRIAL CTS.	68,299	70,382	70,594	73,116	71,630	72,239	68,235	68,911	83,703	83,111



TABLE 8  
(continued)

## IMPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Argentina	1,035	990	524	698	1,035	653	609	648	898	465
Bolivia	60	83	90	82	49	112	55	29	51	45
Brazil	1,059	927	733	595	664	898	421	84	100	102
Chile	49	30	57	32	90	67	41	25	71	85
Colombia	259	274	382	468	462	490	565	394	446	423
Costa Rica	130	160	155	149	143	95	60	84	103	138
Dominican Republic	95	110	92	79	85	64	129	67	82	85 E
Ecuador	205	291	241	356	284	290	272	121	241	220
El Salvador	61	97	82	65	48	46	37	26	31	30 E
Guatemala	121	140	174	154	170	136	105	49	59	101
Honduras	55	68	61	86	67	49	34	31	37	37 E
Mexico	470	489	1,262	1,504	2,623	3,052	1,217	429	701	680
Peru	118	121	83	55	144	330	158	49	118	135
Venezuela	1,579	2,514	1,966	1,241	918	854	932	259	211	166
Others *	185	249	296	221	289	231	424	398	350	231
<b>Total Latin America</b>	<b>5,481</b>	<b>6,543</b>	<b>6,198</b>	<b>5,785</b>	<b>7,071</b>	<b>7,367</b>	<b>5,059</b>	<b>2,693</b>	<b>3,499</b>	<b>2,943</b>
Algeria	812	1,181	1,518	1,238	1,429	1,464	1,327	1,026	1,028	905
Egypt	460	400	428	700	907	966	1,123	1,353	1,600	1,900
Kenya	201	230	277	180	245	181	133	158	188	215
Libyan Arab Republic	601	407	409	563	865	1,044	375	551	309	488
Morocco *	518	626	497	532	509	485	629	536	683	642
Nigeria	1,464	2,681	3,196	3,346	3,814	3,869	3,342	1,527	1,219	2,148
Tanzania	80	71	74	43	68	32	66	70	80	80 E
Tunisia	69	148	50	71	48	99	387	319	312	257
Zaire	41	60	39	47	60	51	52	50	73	24
Zambia	32	42	24	38	23	12	9	8	11	23
Zimbabwe	6	99	62	56	20	50	125	160	250	250 E
Other Africa *	766	1,063	797	845	900	950	500	750	1,000	1,000
<b>Total Africa</b>	<b>5,050</b>	<b>7,008</b>	<b>7,371</b>	<b>7,659</b>	<b>8,888</b>	<b>9,203</b>	<b>8,068</b>	<b>6,508</b>	<b>6,753</b>	<b>7,932</b>
Bahrain	82	80	30	33	47	47	89	117	105	100 E
Iran *	3,752	3,265	4,564	1,707	2,515	1,887	3,114	4,392	3,250	3,250 E
Iraq *	807	420	855	2,192	1,593	1,208	955	1,000	750	750 E
Israel	429	452	399	565	223	394	427	346	422	425
Jordan	201	227	181	395	262	362	324	377	308	154
Kuwait	693	689	580	726	645	805	875	650	645	378
Lebanon *	69	183	289	265	285	287	315	340	443	188
Oman		60	52	81	100	194	261	256	387	365 E
Qatar	108	54	63	70	58	101	108	69	39	40 E
Saudi Arabia	1,483	1,461	1,887	3,310	2,921	3,825	5,483	4,900	3,501	3,450
Syrian Arab Republic	712	582	584	839	918	434	768	404	737	980
Other *	1,200	950	600	1,200	1,500	1,700	1,500	2,500	2,500	2,500
<b>Total Middle East</b>	<b>9,536</b>	<b>8,423</b>	<b>10,084</b>	<b>11,383</b>	<b>11,067</b>	<b>11,244</b>	<b>14,219</b>	<b>15,351</b>	<b>13,087</b>	<b>12,580</b>

TABLE 8  
(continued)

## IMPORTS OF SEMI-FINISHED &amp; FINISHED STEEL PRODUCTS

=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Bangladesh	90	200	181	223	232	288	122	142	250	350 E
Hong Kong	871	1,023	1,404	1,460	1,645	1,709	1,830	1,814	2,070	2,403
India	283	573	1,109	1,882	1,817	2,706	2,463	1,727	1,800	2,150 E
Indonesia	1,113	1,155	1,318	1,421	2,055	2,272	2,196	1,847	1,568	1,200 E
Republic of Korea	1,710	2,214	2,938	2,734	2,093	2,086	1,317	2,119	2,890	2,588
Malaysia	601	644	795	978	1,352	1,281	1,838	1,974	2,000	2,100 E
Pakistan	368	531	454	600	654	551	1,110	1,115	768	775 E
Philippines	815	1,012	992	1,180	904	784	1,240	1,220	564	500 E
Singapore	1,016	1,033	1,237	1,318	1,605	1,941	2,258	2,400	1,833	1,492
Taiwan (ROC)	1,330	1,618	1,846	2,957	2,455	2,266	1,674	1,374	1,565	1,431
Thailand	897	1,053	1,211	1,352	1,250	1,266	1,483	1,990	1,603	1,650 E
Other *	950	750	900	600	950	1,850	1,500	2,000	3,000	3,500 E
Total Asia	10,044	11,806	14,385	16,705	17,012	19,000	19,031	19,722	19,911	20,139
TOTAL DEVELOPING CTS.	30,111	33,780	38,038	41,532	44,038	46,814	46,377	44,274	43,250	43,594
TOTAL WESTERN WORLD	98,410	104,162	108,632	114,648	115,668	119,053	114,612	113,185	126,953	126,705
Albania	86	114	88	97	143	80	121	120	120	120 E
Bulgaria	849	964	1,131	1,160	1,335	1,477	1,378	1,262	1,123	1,029
Czechoslovakia	894	521	657	624	356	356	366	530	751	835
German Dem Rep	4,371	4,455	4,530	4,541	4,611	4,736	5,035	5,744	5,097	5,113
Hungary	1,390	1,326	1,312	1,255	1,079	1,115	1,022	1,096	1,069	1,133
Poland	3,715	2,414	2,124	1,974	1,720	1,396	1,330	1,240	1,295	1,363
Romania	1,985	1,563	2,133	1,677	1,277	977	915	978	683	800 E
USSR (E)	9,532	7,326	8,932	9,409	9,064	8,921	10,083	9,055	9,285	9,300 E
Total Eastern Europe	22,822	18,683	20,907	20,737	19,585	19,058	20,250	20,025	19,423	19,693
Cuba (E)	531	500	475	500	500	550	450	475	540	590
China	4,931	5,256	8,638	8,473	5,006	3,544	3,772	8,467	10,074	19,235
Other Asian CPE's	237	274	440	450	450	450	450	500	500	500
TOTAL CPE'S	28,521	24,713	30,460	30,160	25,541	23,602	24,922	29,467	30,537	40,018
WORLD TOTAL	126,931	128,875	139,092	144,808	141,209	142,655	139,534	142,652	157,490	166,723

E - estimated

\* - based on declared exports

TABLE 9

WORLD STEEL TRADE AS A PERCENTAGE OF WORLD STEEL PRODUCTION

=====

<u>Crude Steel Equivalent</u> (million metric tons)			
Year	Exports	Production	Exports Percent
1970	117.5	595.4	19.7
1971	125.5	582.6	21.5
1972	133.0	630.7	21.1
1973	147.5	697.1	21.2
1974	170.0	703.5	24.2
1975	148.5	643.4	23.1
1976	165.0	675.6	24.4
1977	166.2	675.7	24.6
1978	181.0	717.0	25.2
1979	186.3	746.7	24.9
1980	183.2	716.4	25.6
1981	185.8	707.8	26.3
1982	176.1	645.4	27.3
1983	189.2	663.7	28.5
1984	205.3	710.2	28.9
1985	216.3	719.1	30.1
<u>Ingot Equivalent</u> (million metric tons)			
Year	Exports	Production	Exports Percent
1970	117.5	599.8	19.6
1971	125.5	588.2	21.3
1972	133.0	638.8	20.8
1973	147.5	708.0	20.8
1974	170.0	716.9	23.7
1975	148.5	658.3	22.6
1976	165.0	693.8	23.8
1977	166.2	697.1	23.8
1978	181.0	742.7	24.4
1979	186.3	776.9	24.0
1980	183.2	750.6	24.4
1981	185.8	745.8	24.9
1982	176.1	685.6	25.7
1983	189.2	708.5	26.7
1984	205.3	762.4	26.9
1985	216.3	774.7	27.9

In both of these tables, total exports of semi-finished and finished steel products were multiplied by 1.3 to obtain the value for exports shown in the left-hand column. In the upper table, the resulting figures are shown as percentages of crude steel production. However, the conversion of exports by a constant 1.3 makes no allowance for yield improvements; so in the lower table the estimated crude steel savings due to continuous casting are added back to crude steel production, to give ingot equivalent. The resulting export percentages, though still only approximate, are more realistic than those shown in the upper table.

Table 10

APPARENT STEEL CONSUMPTION										
=====										
thousand metric tons crude steel										
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium-Luxembourg	4,711	4,155	4,345	4,163	3,541	3,736	3,525	3,532	4,228	3,502
Denmark	2,118	1,822	1,712	1,629	1,615	1,565	1,946	1,213	1,568	1,803
France	23,601	19,616	19,740	20,728	20,159	17,461	17,197	15,298	15,492	14,755
FR of Germany	37,512	33,656	33,288	37,850	34,791	32,592	27,955	30,278	31,089	30,789
Greece	1,067	1,208	1,270	1,704	1,660	1,776	1,670	1,997	1,956	1,553
Ireland	461	468	524	708	421	496	471	383	419	400
Italy	22,403	21,451	19,606	24,086	26,764	20,817	21,482	18,814	21,736	21,794
Netherlands	4,568	4,228	4,492	4,051	4,398	3,653	3,626	3,255	4,110	4,211
United Kingdom	22,970	19,700	19,530	20,610	13,960	15,040	14,360	14,280	14,620	14,530
EC Total	119,411	106,303	104,507	115,529	107,310	97,136	92,233	89,050	95,218	93,435
Austria	2,780	2,631	2,886	2,865	2,907	2,550	2,436	2,369	2,398	2,258
Finland	1,779	1,615	1,476	1,715	2,131	1,875	2,093	1,815	1,939	1,768
Norway	1,685	1,879	1,414	1,271	1,735	1,437	1,613	1,294	1,401	1,429
Portugal	1,117	1,435	1,492	1,041	1,347	1,307	1,638	1,074	1,203	1,121
Spain	11,308	9,201	7,204	8,356	9,158	8,175	8,633	7,395	6,964	6,761
Sweden	5,882	3,774	3,786	4,303	4,065	3,436	3,539	3,634	3,716	3,293
Switzerland	1,989	2,299	2,097	2,287	2,611	2,418	1,996	1,926	2,261	2,280
Turkey	3,864	4,735	3,575	3,094	3,427	3,376	4,049	4,254	5,267	4,950
Yugoslavia	4,155	5,266	5,483	5,637	5,786	6,123	5,257	5,276	5,165	5,081
Others	128	182	184	239	178	159	190	235	234	233
Other Western Europe	34,687	33,018	29,597	30,808	33,344	30,857	31,445	29,273	30,548	29,174
Total Western Europe	154,097	139,321	134,104	146,337	140,654	127,993	123,677	118,323	125,766	122,609
Canada	12,643	12,761	13,485	15,383	13,306	14,118	9,418	10,771	13,089	13,318
United States	129,044	133,108	145,150	140,407	113,990	128,504	84,319	94,123	111,343	105,256
Japan	65,220	63,205	66,652	78,163	79,007	71,136	69,504	65,614	74,367	73,377
Australia	6,545	5,513	4,975	6,455	6,271	6,683	5,850	4,811	6,054	5,740
New Zealand	853	864	735	965	612	732	795	751	795	739
South Africa	6,082	4,860	5,393	6,339	7,197	7,264	6,146	5,345	6,013	5,346
TOTAL INDUSTRIAL CTS	374,484	359,632	370,493	394,049	361,036	356,429	299,710	299,738	337,425	326,385

Table 10  
(continued)

	APPARENT STEEL CONSUMPTION									
	thousand metric tons crude steel									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Argentina	3,276	3,612	2,519	3,448	3,578	2,601	2,743	2,912	3,074	2,189
Bolivia	75	103	111	101	60	135	65	34	60	52
Brazil	10,265	11,958	11,955	12,798	14,275	12,063	10,612	8,580	10,698	11,951
Chile	479	545	570	657	809	724	334	462	654	573
Colombia	677	671	855	924	971	983	1,096	927	1,024	1,022
Costa Rica	138	167	168	162	144	94	63	89	101	141
Dominican Republic	119	137	114	97	103	77	153	107	224	227
Ecuador	257	362	298	446	379	404	378	188	317	292
El Salvador	66	112	98	42	46	53	57	61	58	57
Guatemala	147	162	199	173	187	141	152	95	111	160
Honduras	68	82	75	102	78	58	38	35	42	42
Mexico	5,711	5,909	7,881	8,665	10,316	11,309	8,182	6,236	7,262	7,549
Peru	493	525	467	416	615	762	450	329	473	546
Trinidad and Tobago	0	0	0	0	0	45	106	50	43	36
Venezuela	2,988	4,069	3,281	2,792	2,797	2,576	3,020	1,642	2,089	2,008
Others	227	291	350	258	339	273	501	463	407	266
<b>Total Latin America</b>	<b>24,987</b>	<b>28,706</b>	<b>28,941</b>	<b>31,082</b>	<b>34,697</b>	<b>32,300</b>	<b>27,950</b>	<b>22,210</b>	<b>26,638</b>	<b>27,111</b>
Algeria	1,375	1,880	2,258	1,765	2,123	2,289	2,126	1,768	1,783	1,653
Egypt	1,246	1,308	1,283	1,714	2,236	2,270	2,478	2,604	3,010	3,323
Kenya	252	286	343	221	298	219	158	186	220	250
Libyan Arab Republic	754	507	506	693	1,053	1,260	445	649	362	568
Morocco	650	779	615	655	619	586	747	631	799	747
Nigeria	1,852	3,352	3,969	4,132	4,661	4,693	4,058	1,980	1,614	2,753
Tanzania	100	88	92	53	83	39	78	82	94	93
Tunisia	190	340	222	263	236	293	566	539	534	469
Zaire	51	75	48	59	73	62	62	59	85	28
Zambia	40	52	30	47	28	14	11	9	13	27
Zimbabwe	608	689	192	234	180	366	234	384	265	574
Other Africa	1,021	1,383	1,046	1,105	1,165	1,217	664	958	1,245	1,238
<b>Total Africa</b>	<b>8,138</b>	<b>10,741</b>	<b>10,604</b>	<b>10,939</b>	<b>12,754</b>	<b>13,307</b>	<b>11,626</b>	<b>9,850</b>	<b>10,024</b>	<b>11,722</b>
Bahrain	103	100	37	41	57	57	106	138	123	116
Iran	5,256	5,889	6,947	3,530	4,260	3,478	4,897	6,371	5,004	4,980
Iraq	1,012	523	1,058	2,697	1,938	1,458	1,134	1,177	878	872
Israel	608	635	588	784	312	559	589	488	582	591
Jordan	252	283	224	479	313	431	376	442	356	173
Kuwait	647	636	641	796	700	718	790	589	579	265
Lebanon	87	228	358	326	347	346	374	400	518	219
Oman	0	75	64	100	122	234	310	301	453	425
Qatar	135	67	118	70	6	48	157	85	5	21
Saudi Arabia	1,860	1,819	2,335	4,073	3,554	4,618	6,510	6,169	4,939	5,119
Syrian Arab Republic	893	724	723	1,032	1,117	524	912	476	863	1,140
Other	1,570	1,234	797	1,646	1,995	2,232	1,981	3,143	3,126	3,108
<b>Total Middle East</b>	<b>12,425</b>	<b>12,211</b>	<b>13,889</b>	<b>15,573</b>	<b>14,721</b>	<b>14,705</b>	<b>18,135</b>	<b>19,780</b>	<b>17,427</b>	<b>17,030</b>

Table 10  
(continued)

	APPARENT STEEL CONSUMPTION									
	=====									
	thousand metric tons crude steel									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Bangladesh	203	357	344	399	413	482	223	225	381	529
Hong Kong	1,195	1,370	1,809	1,835	1,985	2,044	2,144	1,894	2,474	2,857
India	7,938	9,336	11,102	12,367	11,665	14,047	13,908	12,241	12,475	13,869
Indonesia	1,535	1,688	1,848	1,912	2,831	3,224	3,105	2,975	2,835	2,461
Republic of Korea	3,877	5,434	6,565	7,104	5,554	7,512	6,607	7,646	9,481	9,996
Malaysia	930	978	1,100	1,300	1,747	1,734	2,370	2,662	2,691	2,993
Pakistan	462	661	562	738	796	665	1,318	1,313	899	901
Philippines	1,350	1,596	1,438	1,744	1,280	1,284	1,821	1,633	910	832
Singapore	1,256	1,038	1,200	1,477	1,789	2,109	2,551	2,757	2,030	1,656
Taiwan (ROC)	2,468	3,338	4,599	4,884	5,412	4,422	3,954	4,220	4,578	4,574
Thailand	1,391	1,609	1,808	2,056	1,876	1,729	2,049	2,649	2,144	2,188
Other	1,392	1,184	1,344	963	1,381	2,453	2,031	2,805	4,061	4,921
Total Asia	23,996	28,586	33,720	36,778	36,729	41,707	42,081	43,021	44,958	47,778
TOTAL DEVELOPING CTS	69,546	80,244	87,154	94,373	98,902	102,019	99,792	94,860	99,047	103,641
TOTAL WESTERN WORLD	444,030	439,876	457,648	488,422	459,938	458,448	399,502	394,599	436,473	430,026
Albania	110	146	113	124	183	102	154	153	152	152
Bulgaria	2,120	2,480	2,537	2,787	2,931	2,999	3,152	3,292	2,971	3,018
Czechoslovakia	11,439	11,251	11,476	11,049	10,883	11,314	11,196	11,198	10,950	11,113
German Dem Rep	10,024	10,075	10,412	10,029	9,836	9,487	9,871	9,195	8,819	9,251
Hungary	3,819	3,761	4,091	3,708	3,595	3,649	3,703	3,581	3,326	3,446
Poland	18,408	18,643	19,511	19,200	19,206	15,369	14,395	14,821	15,252	14,812
Romania	10,821	11,357	11,641	12,557	12,284	11,637	11,822	11,105	11,849	11,135
USSR (E)	147,406	146,577	153,436	151,644	150,330	150,849	150,343	157,263	159,050	159,328
Total Eastern Europe	204,146	204,291	213,216	211,097	209,248	205,406	204,636	210,607	212,369	212,256
Cuba (E)	978	944	933	968	942	1,030	878	958	1,023	1,147
China	26,220	30,006	42,057	44,456	42,728	39,150	40,806	49,411	54,796	68,918
Other Asian CPE's	3,304	4,352	5,644	5,976	6,374	6,073	6,373	6,736	7,134	9,033
TOTAL CPE'S	234,648	239,593	261,850	262,498	259,292	251,659	252,692	267,712	275,322	291,354
WORLD TOTAL	678,678	679,469	719,498	750,920	719,230	710,107	652,194	662,311	711,795	721,380

Table 11

## APPARENT CONSUMPTION PER HEAD

kilograms crude steel

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium-Luxembourg	467	407	425	407	346	366	345	345	414	352
Denmark	448	356	369	358	344	346	443	261	357	400
FR Germany	593	538	526	602	549	503	436	486	489	481
France	445	383	367	395	373	325	318	276	276	258
Greece	171	176	167	167	207	157	150	203	149	163
Ireland	150	150	134	219	126	171	161	128	139	126
Italy	387	368	332	400	458	345	356	320	367	362
Netherlands	368	322	355	308	328	272	259	237	295	305
United Kingdom	378	357	359	368	247	267	254	249	256	254
Austria	359	348	382	379	385	337	323	314	318	299
Finland	390	326	279	335	445	427	447	379	444	434
Norway	444	405	372	347	445	372	421	324	365	366
Portugal	118	156	153	106	122	147	171	126	118	110
Spain	305	249	186	214	239	214	227	194	182	175
Sweden	725	463	468	528	497	412	423	419	439	384
Switzerland	314	356	317	376	429	397	327	321	345	378
Turkey	94	112	81	69	73	74	86	90	109	100
Yugoslavia	189	239	246	250	254	223	230	230	217	221
Canada	543	550	575	635	541	553	371	448	525	471
United States	604	618	672	640	508	565	363	404	479	450
Japan	577	554	579	673	675	603	586	549	619	606
Australia	467	389	346	401	426	448	385	313	389	364
New Zealand	282	286	236	310	198	234	252	235	246	227
South Africa	232	182	198	227	252	248	205	174	190	165
Argentina	129	140	93	124	127	91	94	98	102	72
Brazil	98	107	106	111	118	200	84	66	81	88
Chile	48	52	53	63	73	64	29	40	55	47
Colombia	30	31	35	37	38	32	35	35	35	38
Mexico	96	93	152	122	98	164	117	100	101	113
Peru	34	37	30	36	50	43	26	19	27	27
Venezuela	229	299	237	226	237	219	213	158	161	177
Algeria	71	110	128	98	114	119	107	86	85	77
Egypt	34	34	32	42	53	52	55	57	64	69
Libyan Arab Republic	275	190	181	238	346	396	134	187	100	151
Morocco	41	44	33	36	30	31	37	32	37	34
Nigeria	25	46	53	53	58	56	47	22	17	30
Tunisia	65	45	34	40	36	45	84	78	77	67
Iran	147	170	192	95	111	88	120	151	115	113
Iraq	94	60	89	210	146	107	80	79	57	55
Israel	172	176	159	207	81	142	146	119	140	140
Kuwait	626	558	530	617	511	502	527	378	353	155
Lebanon	30	88	131	121	130	131	142	152	196	83
Saudi Arabia	223	226	275	456	379	471	636	579	445	446
India	13	15	17	18	14	19	19	16	17	18
Republic of Korea	110	182	180	187	146	194	168	191	234	243
Malaysia	77	78	85	97	128	123	164	180	177	194
Bulgaria	236	276	277	305	312	319	337	346	323	335
Czechoslovakia	767	748	756	720	729	735	724	719	700	709
German Dem Rep	590	591	605	591	583	561	569	550	536	572
Hungary	324	343	377	338	330	337	344	328	302	316
Poland	533	540	561	545	542	429	398	407	416	409
Romania	489	506	528	563	544	521	526	492	524	491
USSR	566	565	587	570	566	563	557	577	578	574
China	32	38	46	47	45	39	40	47	52	65

Table 12

## PIG IRON PRODUCTION

=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium	9,866	8,912	10,128	10,858	9,900	9,809	7,831	8,068	9,011	8,749
Denmark	0	0	0	0	0	0	0	0	0	0
France	18,659	17,884	18,100	18,964	18,677	16,961	14,715	13,500	14,709	15,067
FR of Germany	31,629	28,784	29,939	35,181	33,873	31,876	27,621	26,598	30,203	31,531
Greece	421	323	282	328	303	91	350	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0
Italy	11,630	11,411	11,340	11,327	12,149	12,259	11,537	10,313	11,631	11,658
Luxembourg	3,759	3,568	3,721	3,801	3,569	2,889	2,587	2,316	2,768	2,754
Netherlands	4,267	3,922	4,613	4,814	4,328	4,600	3,617	3,747	4,926	4,819
United Kingdom	13,713	12,135	11,365	12,761	6,264	9,470	8,327	9,477	9,487	10,382
EC Total	93,944	86,939	89,488	98,034	89,063	87,955	76,585	74,019	82,735	84,960
Austria	3,320	2,965	3,077	3,702	3,485	3,477	3,115	3,320	3,745	3,734
Finland	1,329	1,764	1,858	2,038	2,019	1,965	1,944	1,898	2,034	1,901
Norway	647	548	556	651	618	570	484	596	549	606
Portugal	344	357	353	363	370	314	214	364	474	519
Spain	6,626	6,636	6,254	6,454	6,370	6,259	5,998	5,419	5,338	5,477
Sweden	2,952	2,330	2,363	2,905	2,377	1,770	1,779	2,011	2,214	2,424
Switzerland	23	27	35	30	33	33	10	10	54	66
Turkey	1,679	1,616	1,710	2,302	2,140	2,050	2,174	2,719	2,902	3,193
Yugoslavia	1,919	1,928	2,081	2,368	2,436	2,816	2,702	2,836	2,855	3,120
Other Western Europe	18,839	18,171	18,287	20,813	19,848	19,254	18,420	19,173	20,165	21,040
Total Western Europe	112,783	105,110	107,775	118,847	108,911	107,209	95,005	93,192	102,900	106,000
Canada	10,033	9,661	10,338	10,906	10,893	9,743	8,000	8,567	9,643	9,665
United States	78,808	73,780	79,541	78,929	62,343	66,742	39,281	44,208	47,087	45,764
Japan	86,576	85,886	78,589	83,825	87,041	80,048	77,655	72,936	80,403	80,569
Australia	7,308	6,733	7,280	7,759	6,976	6,740	5,953	5,062	5,324	5,599
New Zealand	0	0	0	0	0	0	0	0	0	0
South Africa	5,845	5,807	5,895	7,021	7,218	7,365	6,762	5,215	5,531	5,012 E
TOTAL INDUSTRIAL CTS.	301,353	286,977	289,418	307,287	283,382	277,847	232,656	229,180	250,888	252,609
Argentina	1,286	1,092	1,432	1,110	1,027	912	1,015	909	893	1,309
Brazil	8,170	9,380	10,043	11,594	12,685	10,791	10,827	12,945	17,230	18,961
Central America	0	0	0	0	0	0	0	0	0	0
Chile	403	433	539	612	647	592	453	539	594	575
Colombia	285	223	295	241	281	232	246	268	270	246
Ecuador	0	0	0	0	0	0	0	0	0	0
Mexico	2,331	2,999	3,509	3,486	3,639	3,767	3,598	3,537	3,869	3,530
Panama	0	0	0	0	0	0	0	0	0	0
Peru	232	241	244	266	262	177	162	113	0	163
Trinidad & Tobago	0	0	0	0	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0	0	0	0	0
Venezuela	421	352	413	509	497	420	202	169	325	440
Total Latin America	13,128	14,720	16,475	17,818	19,038	16,891	16,503	18,480	23,181	25,224



Table 12  
(continued)

PIG IRON PRODUCTION  
=====

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Algeria	413	389	288	497	669	897	1,097	1,100	1,100	1,100 E
Egypt	569	665	660	749	1,027	965	1,080	898	962	950 E
Nigeria	0	0	0	0	0	0	0	0	0	0
Tunisia	112	136	138	155	153	158	97	147	150	150 E
Zimbabwe	861	654	690	650	786	643	478	584	400	600 E
Other Africa	15	20	20	20	20	20	20	20	20	20 E
<b>Total Africa</b>	<b>1,970</b>	<b>1,864</b>	<b>1,796</b>	<b>2,071</b>	<b>2,655</b>	<b>2,683</b>	<b>2,772</b>	<b>2,749</b>	<b>2,632</b>	<b>2,820</b>
Iran (E)	250	250	250	200	200	210	220	240	250	250 E
Israel	0	0	0	0	0	0	0	0	0	0
Qatar	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	0	0	0	0	0	0	0	0	0	0
<b>Total Middle East</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>200</b>	<b>200</b>	<b>210</b>	<b>220</b>	<b>240</b>	<b>250</b>	<b>250</b>
Bangladesh	0	0	0	0	0	0	0	0	0	0
Hong Kong	0	0	0	0	0	0	0	0	0	0
India	9,776	9,803	9,269	8,767	8,509	9,474	9,640	9,162	9,485	9,840
Indonesia	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0	0	0
Philippines	0	0	0	0	0	0	0	0	0	0
Singapore	0	0	0	0	0	0	0	0	0	0
Republic of Korea	2,012	2,426	2,741	5,063	5,577	7,925	8,443	8,024	8,763	8,833
Taiwan (ROC)	105	623	1,417	1,760	1,724	1,611	2,695	3,415	3,288	3,429
Thailand	18	20	24	30	17	10	6	10	10	10 E
<b>Total Asia</b>	<b>11,911</b>	<b>12,872</b>	<b>13,451</b>	<b>15,620</b>	<b>15,827</b>	<b>19,020</b>	<b>20,784</b>	<b>20,611</b>	<b>21,546</b>	<b>22,112</b>
<b>TOTAL DEVELOPING CTS.</b>	<b>27,259</b>	<b>29,706</b>	<b>31,972</b>	<b>35,709</b>	<b>37,720</b>	<b>38,804</b>	<b>40,279</b>	<b>42,080</b>	<b>47,609</b>	<b>50,406</b>
<b>TOTAL WESTERN WORLD</b>	<b>328,612</b>	<b>316,683</b>	<b>321,390</b>	<b>342,996</b>	<b>321,102</b>	<b>316,651</b>	<b>272,935</b>	<b>271,260</b>	<b>298,497</b>	<b>303,015</b>
Bulgaria	1,552	1,614	1,493	1,451	1,539	1,515	1,562	1,626	1,583	1,712
Czechoslovakia	9,475	9,715	9,944	9,529	9,820	9,903	9,525	9,466	9,561	9,562
German Dem Rep	2,519	2,621	2,548	2,378	2,458	2,432	2,149	2,207	2,360	2,578
Hungary	2,221	2,320	2,330	2,385	2,214	2,212	2,201	2,059	2,096	2,102
Poland	7,912	9,517	11,109	10,966	11,378	8,870	8,107	9,472	9,537	9,436
Romania	7,416	7,781	8,155	8,879	9,102	8,857	8,637	8,184	9,557	9,212
USSR	104,400	106,500	110,000	108,300	107,282	107,766	106,723	110,453	110,893	109,977
<b>Total Eastern Europe</b>	<b>135,495</b>	<b>140,068</b>	<b>145,579</b>	<b>143,888</b>	<b>143,793</b>	<b>141,555</b>	<b>138,904</b>	<b>143,467</b>	<b>145,587</b>	<b>144,579</b>
China	22,330	25,050	34,790	36,730	38,024	34,166	35,510	37,378	40,062	43,543
DPR Korea (E)	3,000	4,000	5,000	5,000	5,400	5,000	5,250	5,500	5,750	7,750 E
<b>TOTAL CPE'S</b>	<b>160,825</b>	<b>169,118</b>	<b>185,369</b>	<b>185,618</b>	<b>187,217</b>	<b>180,721</b>	<b>179,664</b>	<b>186,345</b>	<b>191,399</b>	<b>195,872</b>
<b>WORLD TOTAL</b>	<b>489,437</b>	<b>485,801</b>	<b>506,759</b>	<b>528,614</b>	<b>508,319</b>	<b>497,372</b>	<b>452,599</b>	<b>457,605</b>	<b>489,896</b>	<b>498,887</b>

These figures exclude direct reduced iron and blast furnace ferro-alloys.

Table 13

PIG IRON EXPORTS  
 =====  
 thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium/Luxembourg	33	56	37	22	7	9	4	2	3	4
France	227	192	128	360	286	191	174	136	192	233
FR of Germany	890	761	808	1,019	1,103	929	829	544	581	700
Italy	8	12	17	22	9	5	8	29	18	31
Netherlands	0	0	2	24	12	6	7	13	9	19
United Kingdom	83	68	55	45	56	38	34	69	61	83
EC Total	1,241	1,089	1,047	1,492	1,473	1,178	1,056	793	864	1,070
Austria	4	4	2	4	3	6	5	5	7	9
Finland	85	68	0	17	18	0	0	1	1	0
Norway	96	89	107	145	104	71	65	44	28	32
Spain	1	0	64	81	31	19	0	6	19	46
Sweden	158	256	610	269	180	143	127	131	113	108
Turkey	0	0	0	0	8	0	0	16	60	50 E
Yugoslavia	51	75	23	62	51	23	12	6	5	20
Other Western Europe	395	492	806	578	395	262	209	209	233	265
Total Western Europe	1,636	1,581	1,853	2,070	1,868	1,440	1,265	1,002	1,097	1,335
Canada	385	557	602	394	562	590	515	385	440	611
United States	75	61	61	114	90	31	62	19	65	33
Japan	156	575	43	61	15	12	61	345	292	1,085
Australia	593	763	519	642	515	158	300	350	100	100 E
South Africa	0	3	33	117	117	99	93	0	0	0 E
TOTAL INDUSTRIAL CTS.	2,845	3,540	3,111	3,398	3,167	2,330	2,296	2,101	1,994	3,164
Brazil	775	851	1,027	989	841	714	677	1,801	2,484	2,478
Zimbabwe	164	0	0	20	39	10	5	0	0	0
India	1,023	699	267	44	0	0	0	0	0	0
TOTAL DEVELOPING CTS.	1,962	1,550	1,294	1,053	880	724	682	1,801	2,484	2,478
TOTAL WESTERN WORLD	4,807	5,090	4,405	4,451	4,047	3,054	2,978	3,902	4,478	5,642
Bulgaria	27	37	48	12	34	8	16	38	262	79
Czechoslovakia	22	28	0	0	0	0	0	0	0	0
German Dem Rep	41	41	41	12	27	27	6	9	11	11 E
Hungary	136	116	48	16	2	0	0	5	21	0
Poland	0	0	0	0	0	0	0	0	0	0
USSR (Estimated)	4,527	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
Total Eastern Europe	4,753	4,722	4,637	4,540	4,563	4,535	4,522	4,552	4,794	4,590
WORLD TOTAL	9,560	9,812	9,042	8,991	8,610	7,589	7,500	8,454	9,272	10,232

Table 14

PIG IRON IMPORTS  
=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium/Luxembourg	203	167	119	105	97	92	91	48	94	113
Denmark	36	29	23	24	44	51	66	32	43	62
France	404	459	407	446	452	406	370	365	412	480
FR of Germany	375	390	380	328	344	270	276	236	273	280
Greece	16	18	15	40	10	17	14	17	7	9
Ireland	1	2	2	3	2	2	2	0	1	2
Italy	806	704	455	636	733	352	417	324	417	341
Netherlands	48	50	50	76	64	44	43	38	54	49
United Kingdom	222	181	169	173	192	129	168	106	103	118
EC Total	2,111	2,000	1,620	1,831	1,938	1,363	1,447	1,166	1,404	1,454
Austria	107	95	144	95	103	82	78	38	51	55
Finland	5	4	7	20	45	25	23	15	12	19
Norway	15	14	8	13	15	15	10	10	8	9
Portugal	32	25	34	47	42	75	49	55	48	41
Spain	54	36	34	41	55	41	104	100	138	177
Sweden	235	89	47	58	56	46	68	48	49	57
Switzerland	69	84	99	99	99	83	82	80	80	70
Turkey	269	15	5	1	5	1	0	68	43	30 E
Yugoslavia	142	19	85	102	49	71	99	65	66	55
Other Western Europe	928	381	463	476	469	439	513	479	495	513
Total Western Europe	3,039	2,381	2,083	2,307	2,407	1,802	1,960	1,645	1,899	1,967
Canada	9	12	3	10	2	7	3	5	6	11
United States	489	465	683	527	423	462	322	342	796	386
Japan	593	550	646	564	781	1,086	1,381	1,001	823	748
South Africa	79	0	0	21	0	0	0	0	0	0
TOTAL INDUSTRIAL CTS.	4,209	3,408	3,415	3,429	3,613	3,357	3,666	2,993	3,524	3,112
Argentina	71	136	40	49	153	10	122	205	177	32
India	0	1	0	0	0	117	427	204	200	200 E
Indonesia	10	16	35	33	36	21	84	88	85	85 E
Republic of Korea	7	20	29	80	7	64	72	105	203	99
Philippines	63	53	36	46	21	2	4	1	0	0
Singapore	22	9	57	81	33	63	103	57	9	5 E
Taiwan (ROC)	71	105	73	74	12	188	148	224	211	170
Thailand	1	21	1	23	5	27	15	13	15	15 E
Total Asia	174	225	231	337	114	482	853	692	723	574
TOTAL DEVELOPING CTS.	245	361	271	386	267	492	975	897	900	606
TOTAL WESTERN WORLD	4,454	3,769	3,686	3,815	3,880	3,849	4,641	3,890	4,424	3,718
Bulgaria	336	366	410	356	413	435	400	408	665	411
Czechoslovakia	858	912	919	592	809	843	901	780	745	869
German Dem Rep	668	642	816	700	752	721	945	890	904	1,128
Hungary	289	228	253	226	257	291	235	295	281	274
Poland	1,815	1,740	1,709	1,463	1,374	1,449	1,273	1,133	1,188	1,330
Romania	560	646	513	561	633	282	280	210	165	117
USSR (E)	229	213	176	37	0	0	0	0	0	0
Total Eastern Europe	4,755	4,747	4,796	3,935	4,238	4,021	4,034	3,716	3,948	4,129
China	430	1,183	1,391	726	353	12	0	0	0	0
TOTAL CPE'S	5,185	5,930	6,187	4,661	4,591	4,033	4,034	3,716	3,948	4,129
WORLD TOTAL	9,639	9,699	9,873	8,476	8,471	7,882	8,675	7,606	8,372	7,847

Table 15

## IRON ORE PRODUCTION

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium	63	47	42	0	0	0	0	0	0	0
Denmark	8	5	0	6	8	0	0	0	0	0
France	45,181	36,634	33,457	31,665	28,978	21,597	19,391	15,966	17,326	14,680
FR of Germany	2,256	2,487	1,597	1,649	1,948	1,575	1,314	979	979	1,034
Greece	2,208	2,052	1,620	1,850	1,600	1,280	515	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0
Luxembourg	2,079	1,547	835	631	560	429	0	0	0	0
Italy	542	461	353	208	179	128	5	0	0	0
Netherlands	0	0	0	0	0	0	0	0	0	0
United Kingdom	4,585	3,745	4,240	4,268	916	731	470	384	379	274
EC Total	56,922	46,978	42,144	40,277	34,189	25,740	21,695	17,329	18,684	15,988
Austria	3,785	3,450	2,789	3,200	3,200	3,050	3,290	3,540	3,600	3,270
Finland	1,059	1,047	954	969	1,009	1,060	1,086	1,046	1,040	914
Norway	3,921	3,724	3,776	4,249	3,807	4,064	3,266	3,535	3,723	3,468
Portugal	48	52	52	50	57	37	27	36	36	73
Spain	7,908	7,899	8,579	8,827	8,865	8,410	7,621	7,449	7,961	6,451
Sweden	29,861	25,416	21,486	26,619	27,174	23,225	16,138	13,212	18,123	20,577
Turkey	1,771	3,190	3,210	1,960	2,574	2,240	2,646	2,645	2,040	3,254
Yugoslavia	4,260	4,451	4,563	4,616	4,504	4,793	5,105	5,018	5,315	5,850 E
Other Western Europe	52,613	49,229	45,409	50,490	51,190	46,879	39,179	36,481	41,838	43,857
Total Western Europe	109,535	96,207	87,553	90,767	85,379	72,619	60,874	53,810	60,522	59,845
Canada	56,013	54,431	42,941	47,323	50,173	49,696	36,259	29,930	37,810	38,800
United States	79,252	56,275	82,015	86,489	70,727	75,188	36,000	38,574	52,097	48,770
Japan	760	684	595	460	478	441	362	298	324	340
Australia	93,255	95,923	83,134	91,717	95,534	84,661	87,694	71,040	88,969	92,497
New Zealand	2,470	2,650	3,020	3,910	3,160	3,480	2,980	2,200	2,290	2,520
South Africa	15,360	26,480	24,200	31,560	25,738	25,300	24,600	16,600	24,650	24,390
TOTAL INDUSTRIAL CTS.	356,645	332,650	323,458	352,226	331,189	311,385	248,769	212,452	266,662	267,162
Argentina	570	720	910	610	412	382	1,158	751	900	1,050
Brazil	92,610	80,940	84,440	95,460	97,240	97,900	93,100	92,100	112,100	118,500 E
Chile	9,970	7,660	7,040	8,290	8,960	7,480	6,356	5,809	5,590	5,840
Colombia	498	473	513	418	491	412	445	435	442	440
Mexico	5,470	5,380	5,330	6,440	8,149	8,736	8,795	7,888	10,544	9,500 E
Peru	4,764	6,190	4,934	5,417	5,679	5,954	5,629	4,287	3,979	4,892
Venezuela	18,891	13,761	12,562	14,184	15,416	14,858	11,157	10,187	12,723	14,710
Total Latin America	132,773	115,124	115,729	130,819	136,347	135,722	126,640	121,457	146,278	154,932

Table 15  
(continued)

	IRON ORE PRODUCTION									
	thousand metric tons									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Algeria	2,790	3,180	3,040	3,120	3,454	3,481	3,892	3,684	3,664	3,776
Angola	0	0	0	0	0	0	0	0	0	0
Liberia	20,390	18,140	18,390	18,350	18,250	19,540	18,000	15,410	16,100	16,120
Mauritania	9,540	7,340	7,080	8,910	8,940	8,270	8,210	6,600	9,100	9,200
Morocco	340	410	60	60	60	50	230	300	200	200
Sierra Leone	0	0	0	0	0	0	10	360	420	70 E
Swaziland	1,930	1,480	0	0	0	0	0	0	0	0
Tunisia	490	490	340	390	384	400	270	300	310	300
<b>Total Africa</b>	<b>35,480</b>	<b>31,040</b>	<b>28,910</b>	<b>30,830</b>	<b>31,088</b>	<b>31,741</b>	<b>30,612</b>	<b>26,654</b>	<b>29,794</b>	<b>29,666</b>
India	43,740	42,598	38,838	39,545	40,682	41,122	41,997	37,584	40,764	42,545
Republic of Korea	639	653	587	459	545	555	553	591	554	542
Malaysia	310	320	300	350	372	530	400	100	160	200
Philippines	570	0	0	0	0	0	0	0	0	0
Thailand	20	60	90	100	84	60	30	70	70	100
<b>Total Asia</b>	<b>45,279</b>	<b>43,631</b>	<b>39,815</b>	<b>40,454</b>	<b>41,683</b>	<b>42,267</b>	<b>42,980</b>	<b>38,345</b>	<b>41,548</b>	<b>43,387</b>
<b>TOTAL DEVELOPING CTS.</b>	<b>213,532</b>	<b>189,795</b>	<b>184,454</b>	<b>202,103</b>	<b>209,118</b>	<b>209,730</b>	<b>200,232</b>	<b>186,456</b>	<b>217,620</b>	<b>227,985</b>
<b>TOTAL WESTERN WORLD</b>	<b>570,177</b>	<b>522,445</b>	<b>507,912</b>	<b>554,329</b>	<b>540,307</b>	<b>521,115</b>	<b>449,001</b>	<b>398,908</b>	<b>484,282</b>	<b>495,147</b>
Bulgaria	2,316	2,270	2,453	2,103	1,886	1,754	1,552	1,803	2,063	1,985
Czechoslovakia	1,904	1,994	2,023	2,012	1,927	1,935	1,861	1,903	1,869	1,824
German Dem Rep	59	72	80	65	51	41	41	40	36	0
Hungary	358	262	283	285	198	196	214	215	193	184
Poland	674	659	529	249	104	105	49	10	11	12
Romania	2,834	2,467	2,511	2,523	2,333	2,304	2,146	1,987	1,916	2,287
USSR	239,109	239,716	244,231	241,597	244,762	242,416	244,410	245,189	247,104	247,700 E
<b>Total Eastern Europe</b>	<b>247,254</b>	<b>247,440</b>	<b>252,110</b>	<b>248,834</b>	<b>251,261</b>	<b>248,751</b>	<b>250,273</b>	<b>251,147</b>	<b>253,192</b>	<b>253,992</b>
China	65,000	60,000	70,000	75,000	75,000	70,000	71,000	72,000	77,000	77,000 E
DPR Korea	8,200	8,400	8,500	8,500	8,200	8,000	8,000	8,000	8,000	8,000 E
<b>TOTAL CPE'S</b>	<b>320,454</b>	<b>315,840</b>	<b>330,610</b>	<b>332,334</b>	<b>334,461</b>	<b>326,751</b>	<b>329,273</b>	<b>331,147</b>	<b>338,192</b>	<b>338,992</b>
<b>WORLD TOTAL</b>	<b>890,631</b>	<b>838,285</b>	<b>838,522</b>	<b>886,663</b>	<b>874,768</b>	<b>847,866</b>	<b>778,274</b>	<b>730,055</b>	<b>822,474</b>	<b>834,139</b>

Table 16

## IRON ORE EXPORTS

=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium-Luxembourg	27	148	84	3	60	19	0	1	0	15
Denmark	8	5	10	7	9	9	15	12	7	7
France	15,771	11,843	11,371	10,173	8,652	6,378	5,453	4,622	4,752	4,628
FR of Germany	4	3	7	3	4	6	6	8	3	3
Italy	0	5	11	0	1	0	0	0	1	0
Netherlands	30	149	12	119	273	240	146	13	46	75
United Kingdom	0	1	0	1	1	20	1	1	0	6
EC Total	15,840	12,154	11,495	10,306	9,000	6,672	5,621	4,657	4,809	4,734
Austria	2	0	0	0	0	0	0	0	1	1
Finland	1	0	13	0	15	23	0	0	0	0
Norway	2,779	2,696	3,073	3,481	2,722	3,482	2,116	2,946	3,083	2,578
Portugal	0	0	0	1	4	0	0	0	2	0
Spain	2,187	1,462	2,024	1,994	2,088	1,126	1,869	1,580	1,974	2,056
Sweden	22,028	18,903	22,258	26,243	20,998	17,709	12,597	14,279	17,592	18,302
Yugoslavia	6	2	0	0	0	29	21	0	0	0
Other Western Europe	27,003	23,063	27,368	31,719	25,827	22,369	16,603	18,805	22,652	22,937
Total Western Europe	42,843	35,217	38,863	42,025	34,827	29,041	22,224	23,462	27,461	27,671
Canada	44,683	45,058	31,927	48,849	38,992	41,452	30,073	25,528	30,737	32,216
United States	2,960	2,177	4,281	5,230	5,781	5,635	3,229	3,842	5,073	5,115
Australia	81,387	78,889	75,265	78,380	80,375	71,729	72,567	74,088	85,477	85,732
New Zealand	2,200	3,300	3,000	2,700	2,500	2,900	2,500	2,500	2,200	2,100
South Africa	2,500	12,100	13,400	14,200	13,888	14,000	11,300	7,800	11,900	10,200
TOTAL INDUSTRIAL CTS.	176,573	176,741	166,736	191,384	176,363	164,757	141,893	137,220	162,848	163,034
Brazil	67,086	58,541	66,371	75,588	78,958	81,019	72,709	69,961	88,474	92,252
Chile	8,937	7,690	6,519	6,990	7,591	6,830	5,502	4,719	5,232	4,816
Peru	4,387	5,987	4,852	5,234	5,592	5,156	5,596	4,182	4,091	5,242
Venezuela	15,672	11,430	12,828	12,976	11,752	12,422	6,616	6,245	8,456	9,032
Total Latin America	96,082	83,648	90,570	100,788	103,893	105,427	90,423	85,107	106,253	111,342
Algeria	1,780	1,513	1,530	2,484	1,432	1,507	1,444	1,302	1,051	7
Angola	0	0	0	0	0	0	0	100	0	0
Liberia	19,087	17,916	20,771	19,348	17,387	20,670	16,314	15,358	16,758	16,126
Mauritania	9,658	8,552	6,309	9,313	8,727	8,609	7,753	7,402	9,527	9,333
Sierra Leone	0	0	0	0	0	0	0	355	400	100 E
Total Africa	30,525	27,981	28,610	31,145	27,546	30,786	25,511	24,517	27,736	25,566
India	22,815	23,341	19,459	23,870	26,194	23,927	25,359	22,001	25,696	28,840
Philippines	836	1,983	3,280	4,100	4,264	0	18	0	4	0 E
Total Asia	23,651	25,324	22,739	27,970	30,458	23,927	25,377	22,001	25,700	28,840
TOTAL DEVELOPING CTS.	150,258	136,953	141,919	159,903	161,897	160,140	141,311	131,625	159,689	165,748
TOTAL WESTERN WORLD	326,831	313,694	308,655	351,287	338,260	324,897	283,204	268,845	322,537	328,782
USSR	43,126	40,946	46,071	44,504	46,873	43,453	44,504	42,805	45,922	43,880
WORLD TOTAL	369,957	354,640	354,726	395,791	385,133	368,350	327,708	311,650	368,459	372,662

Table 17

IRON ORE IMPORTS  
=====

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium/Luxembourg	26,979	21,522	24,242	26,144	22,182	21,148	18,613	17,519	19,628	18,997
Denmark	1	1	3	1	3	127	183	63	1	2
France	14,043	14,585	14,605	14,910	18,435	16,384	12,805	10,068	15,043	14,799
FR of Germany	46,775	39,749	42,133	51,703	49,834	44,288	38,910	35,497	42,568	45,007
Greece	371	646	235	389	288	0	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0
Italy	17,053	15,281	16,297	17,318	16,912	15,196	16,066	13,800	19,240	18,294
Netherlands	6,528	6,921	5,579	7,430	7,586	6,659	6,159	4,875	7,237	8,509
United Kingdom	18,589	15,539	15,453	17,924	8,530	14,643	10,572	13,169	14,160	15,404
EC Total	130,339	114,244	118,547	135,819	123,770	118,445	103,308	94,991	117,877	121,012
Austria	2,877	2,611	2,618	3,963	3,336	3,423	3,241	2,391	3,890	3,684
Finland	973	1,140	1,530	1,792	1,736	1,496	1,494	1,300	1,857	1,756
Norway	164	120	121	312	87	11	48	226	40	230
Portugal	524	447	389	620	495	0	263	470	375	683
Spain	6,150	4,899	4,628	5,196	4,757	4,687	4,620	4,202	4,220	5,023
Sweden	190	121	121	33	0	0	5	19	39	68
Switzerland	30	26	39	37	40	35	6	0	0	0
Turkey	413	667	173	773	811	1,050	1,171	1,329	1,656	1,725
Yugoslavia	482	516	547	1,060	1,640	1,360	1,477	1,568	1,566	2,180
Other Western Europe	11,803	10,547	10,166	13,786	12,902	12,062	12,325	11,505	13,643	15,349
Total Western Europe	142,142	124,791	128,713	149,605	136,672	130,507	115,633	106,496	131,520	136,361
Canada	3,020	2,505	4,686	5,913	5,875	5,792	3,357	4,013	4,947	5,800
United States	45,133	38,520	34,167	34,350	25,493	28,800	14,990	13,543	17,449	16,131
Japan	133,727	132,571	114,645	130,268	133,721	123,362	121,808	109,153	125,372	124,513
TOTAL INDUSTRIAL CTS.	324,022	298,387	282,211	320,136	301,761	288,461	255,788	233,205	279,288	282,805
Argentina	629	802	2,134	2,000	2,000	2,305	2,025	1,670	2,199	2,459
Republic of Korea	2,442	3,320	3,789	6,950	8,681	11,201	11,793	11,497	11,962	12,620
Philippines	0	2,407	3,405	3,363	4,651	36	0	0	0	0
Taiwan (ROC)	151	1,176	2,489	2,649	2,844	2,413	4,049	4,957	5,199	5,200 E
Total Asia	2,593	6,903	9,683	12,962	16,176	13,650	15,842	16,454	17,161	17,820
TOTAL DEVELOPING CTS.	3,222	7,705	11,817	14,962	18,176	15,955	17,867	18,124	19,360	20,279
TOTAL WESTERN WORLD	327,244	306,092	294,028	335,098	319,937	304,416	273,655	251,329	298,648	303,084
Bulgaria	1,638	1,672	1,646	2,107	2,225	2,280	2,360	2,312	2,286	2,212
Czechoslovakia	15,400	15,970	15,600	12,459	12,819	12,166	11,640	11,683	11,228	11,250 E
German Dem Rep	2,053	2,267	2,046	2,033	2,088	2,335	1,932	1,842	1,971	2,697
Hungary	4,234	4,281	4,200	4,045	3,286	3,765	3,757	3,967	4,170	2,382
Poland	15,829	16,943	17,179	18,872	20,133	15,870	13,493	13,787	17,110	16,973
Romania	11,740	12,402	13,373	14,974	15,982	15,016	14,398	14,477	14,963	15,207
USSR	0	0	0	0	0	0	0	0	0	0
Total Eastern Europe	50,894	53,535	54,044	54,490	56,533	51,432	47,580	48,068	51,728	50,721
China	1,370	1,405	6,636	6,039	5,949	2,136	1,858	3,078	4,886	9,452
TOTAL CPE'S	52,264	54,940	60,680	60,529	62,482	53,568	49,438	51,146	56,614	60,173
WORLD TOTAL	379,508	361,032	354,708	395,627	382,419	357,984	323,093	302,475	355,262	363,257

Table 18

SCRAP EXPORTS  
=====

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium/Luxembourg	527	501	531	550	537	578	498	682	774	736
Denmark	116	57	81	91	100	185	118	175	234	270
France	3,422	3,358	3,663	3,526	3,312	3,184	3,082	3,227	4,105	3,961
FR of Germany	2,597	2,481	2,765	2,998	3,077	3,407	2,867	2,977	3,268	3,407
Greece	0	1	0	0	0	1	1	1	1	1
Ireland	8	8	54	72	84	73	59	21	43	50
Italy	24	11	7	13	8	23	17	18	19	10
Netherlands	957	926	1,189	1,142	1,194	1,252	1,179	1,522	1,680	1,835
United Kingdom	599	938	1,565	1,338	2,805	3,367	3,073	3,794	4,316	4,520
EC Total	8,250	8,281	9,855	9,730	11,117	12,070	10,894	12,417	14,440	14,790
Austria	45	8	8	15	13	12	9	13	21	32
Finland	4	3	1	3	0	0	0	0	10	10
Norway	18	13	36	42	38	32	32	36	21	9
Portugal	3	4	10	5	5	5	9	10	9	16
Spain	0	0	1	0	1	1	1	1	4	1
Sweden	9	75	78	17	14	14	18	21	113	22
Switzerland	71	62	88	100	64	128	105	149	107	100
Turkey	0	0	0	0	0	0	0	0	3	4
Yugoslavia	20	42	79	47	45	69	63	70	142	173
Other Western Europe	170	207	301	229	180	261	237	300	430	367
Total Western Europe	8,420	8,488	10,156	9,959	11,297	12,331	11,131	12,717	14,870	15,157
Canada	1,013	697	874	1,033	785	573	628	875	795	878
United States	7,367	5,602	8,199	10,028	10,132	5,820	6,172	6,822	8,617	8,951
Japan	203	211	164	151	159	187	174	116	147	166
Australia	632	550	486	576	708	498	554	588	445	450
TOTAL INDUSTRIAL CTS.	17,635	15,548	19,879	21,747	23,081	19,409	18,659	21,118	24,874	25,602
Hong Kong	173	227	286	344	330	364	297	320	300	300
India (E from 1978)	157	209	20	5	5	5	5	5	5	5
Indonesia	0	0	6	0	1	0	0	1	0	0
Republic of Korea	19	1	8	13	10	25	141	285	124	54
Malaysia	16	5	5	5	10	12	6	5	5	5
Philippines	0	0	3	3	2	1	2	1	1	1
Singapore	3	7	4	2	5	2	8	119	109	100
Taiwan (ROC)	63	35	156	72	13	128	402	280	202	388
Thailand	3	0	0	0	1	1	8	1	0	0
TOTAL DEVELOPING CTS.	434	484	488	444	377	538	869	1,017	746	853
TOTAL WESTERN WORLD	18,069	16,032	20,367	22,191	23,458	19,947	19,528	22,135	25,620	26,455
Bulgaria	135	61	167	130	155	79	57	38	48	38
German Dem Rep	11	13	13	14	7	7	7	7	10	10
Hungary	37	71	42	37	31	32	53	50	79	27
Poland	92	1	0	0	0	0	0	0	0	0
USSR(E:1977,78,85)	1,837	1,800	1,800	1,988	2,505	2,681	2,859	3,370	3,407	3,400
Total Eastern Europe	2,112	1,946	2,022	2,169	2,698	2,799	2,976	3,465	3,544	3,475
WORLD TOTAL	20,181	17,978	22,389	24,360	26,156	22,746	22,504	25,600	29,164	29,930



Table 19

SCRAP IMPORTS  
 =====  
 thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium/Luxembourg	586	493	979	970	859	956	887	1,045	1,672	1,490
Denmark	7	13	263	284	217	180	88	67	132	48
France	274	287	394	422	456	347	276	307	407	461
FR of Germany	1,556	1,435	1,560	1,619	1,511	1,343	1,296	1,298	1,765	1,621
Greece	80	93	198	230	239	288	434	520	328	313
Ireland	1	2	9	5	8	4	2	70	88	136
Italy	6,272	5,825	6,566	6,891	7,410	5,540	5,571	4,446	5,486	5,777
Netherlands	161	114	165	123	154	238	221	364	478	586
United Kingdom	694	100	43	44	25	21	37	11	34	50
EC Total	9,631	8,362	10,177	10,588	10,879	8,917	8,812	8,128	10,390	10,482
Austria	45	80	115	135	143	170	381	219	363	239
Finland	54	63	22	89	106	62	51	37	33	113
Norway	71	18	10	7	53	24	4	15	13	11
Portugal	29	95	663	146	149	85	125	108	120	105
Spain	2,658	1,993	2,550	3,452	4,386	4,005	4,762	4,742	5,018	6,147
Sweden	137	33	118	130	76	247	529	450	839	885
Switzerland	44	58	87	179	137	113	107	147	273	240
Turkey	236	300	323	362	346	525	748	1,074	1,038	1,148
Yugoslavia	342	409	402	265	396	479	508	738	781	729
Other Western Europe	3,616	3,049	4,290	4,765	5,792	5,710	7,215	7,530	8,478	9,617
Total Western Europe	13,247	11,411	14,467	15,353	16,671	14,627	16,027	15,658	18,868	20,099
Canada	823	584	954	1,049	1,015	838	501	669	1,137	884
United States	460	567	720	690	506	571	430	581	524	554
Japan	1,802	1,440	3,229	3,346	2,986	1,791	2,025	3,906	4,018	3,254
TOTAL INDUSTRIAL CTS.	16,332	14,002	19,370	20,438	21,178	17,827	18,983	20,814	24,547	24,791
Mexico (1978-1983:E)	526	356	500	740	1,050	820	350	380	454	660
Hong Kong	122	41	126	105	93	94	64	27	28	20
India	35	56	221	81	99	596	591	804	800	1,000 E
Indonesia	29	47	81	30	39	62	227	258	243	250 E
Republic of Korea	1,898	1,636	1,932	1,944	1,910	1,661	2,424	3,185	3,216	3,532
Malaysia	3	5	5	5	5	5	5	5	5	5 E
Philippines	106	62	79	95	9	9	25	0	2	2 E
Singapore	55	23	93	109	172	78	93	95	79	65
Taiwan (RDC)	297	571	622	761	1,232	881	651	736	578	362
Thailand	276	444	802	615	338	417	390	641	494	500 E
TOTAL DEVELOPING CTS.	3,347	3,241	4,461	4,485	4,947	4,623	4,820	6,131	5,899	6,396
TOTAL WESTERN WORLD	19,679	17,243	23,831	24,923	26,125	22,450	23,803	26,945	30,446	31,187
German Dem Rep	541	496	546	708	908	693	455	672	1,035	886
Hungary	9	2	3	6	4	144	14	28	20	14
Poland	47	34	9	6	227	53	5	5	7	5
Romania	0	0	8	10	56	0	0	0	0	0
Total Eastern Europe	597	532	566	730	1,195	890	474	705	1,062	905
WORLD TOTAL	20,276	17,775	24,397	25,653	27,320	23,340	24,277	27,650	31,508	32,092

Table 20

SCRAP CONSUMPTION  
 =====  
 thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Belgium	3,658	3,382	3,794	4,052	3,688	3,749	4,142	3,157	3,520	3,112
Denmark	775	782	969	906	811	688	626	584	651	595
France	8,132	7,513	8,181	8,111	7,936	7,294	6,419	6,259	6,473	6,449
FR Germany	21,104	20,196	21,191	21,766	20,322	19,624	17,544	17,864	18,606	18,613
Italy	14,843	15,086	16,236	16,264	17,985	16,147	15,371	14,389	15,635	15,543
Luxembourg	1,431	1,411	1,762	1,785	1,577	1,323	1,315	1,368	1,685	1,598
Netherlands	1,775	1,685	1,842	1,965	1,837	1,779	1,446	1,458	1,630	1,504
United Kingdom	16,973	15,685	15,524	15,368	9,296	10,363	9,557	9,635	9,618	8,369
EC Total	68,691	65,740	69,499	70,217	63,452	60,967	56,420	54,714	57,818	55,783
Austria	1,800	1,623	1,747	1,826	1,733	1,733	1,639	1,630	1,679	1,525
Finland	675	720	755	743	769	732	688	708	754	750 E
Norway	538	440	450	551	477	507	487	523	579	580 E
Portugal	199	359	445	492	512	435	420	400	375	225 E
Spain	7,039	7,358	7,916	7,222	9,048	9,011	9,111	9,793	10,099	10,600 E
Sweden	3,146	2,430	2,605	2,762	2,572	2,563	2,853	2,925	3,200	3,100 E
Turkey	659	650	750	650	650	800	1,224	1,575	1,500	1,771
Yugoslavia	1,585	1,743	2,040	2,061	2,075	2,108	2,037	2,208	2,250	2,250 E
Other Western Europe	15,641	15,323	16,708	16,307	17,836	17,889	18,459	19,762	20,436	20,801
Total Western Europe	84,332	81,063	86,207	86,524	81,288	78,856	74,879	74,476	78,254	76,584
Canada	6,469	6,970	7,822	8,296	8,523	7,469	5,680	6,319	7,500	7,171
United States	81,564	83,642	90,016	89,723	75,926	77,200	51,153	56,048	60,195	60,000 E
Japan	38,227	34,606	39,409	45,624	43,809	39,592	38,857	40,160	43,485	44,166
TOTAL INDUSTRIAL CTS.	210,592	206,281	223,454	230,167	209,546	203,117	170,569	177,003	189,434	187,921
Czechoslovakia	7,337	7,453	7,414	7,655	8,523	7,479	7,426	7,861	7,579	7,685
German Dem Rep	4,642	4,291	4,572	5,030	5,292	5,276	5,125	5,155	5,243	5,074
Hungary	2,195	2,238	2,328	2,354	2,293	2,200	2,219	2,218	2,454	2,498
Poland	9,233	10,054	11,356	10,521	10,720	8,707	8,149	8,887	8,736	8,609
USSR (in OH,BOF only)	55,196	55,406	57,609	56,336	55,930	50,952	54,020	56,846	57,784	55,856
Total Eastern Europe	78,603	79,442	83,279	81,896	82,758	74,614	76,939	80,967	81,796	79,722
WORLD TOTAL	289,195	285,723	306,733	312,063	292,304	277,731	247,508	257,970	271,230	267,643

## EXPLANATORY NOTES

Table

- Production  
1-3 Crude Steel Production is defined as the sum of useable ingots, continuously cast semi-finished products and liquid steel for castings.
- Deliveries  
4-6 The figures show total deliveries of the domestic steel industry, to both home and export markets. Due to differences in national statistical systems, the various countries report different ranges of steel products. Therefore delivery figures are not internationally comparable: for example a country which reported deliveries of tubes and wire would show correspondingly lower deliveries of the hot-rolled products which had been used in their manufacture.
- Trade  
7-9 Trade figures are based on a broad definition of steel industry products, including ingots and semi-finished products; tubes; single strand wire; wheels tyres and axles; and unworked steel castings and forgings. Trade within the European Community, and within Comecon, is included. The imports of many developing nations for the most recent years have been estimated from the destinations declared by steel exporters. To obtain ingot equivalents in Table 9, 1 ton of continuously cast semi-finished product was assumed to be equivalent to 1.175 tons of ingot.
- Consumption  
10 Apparent crude steel consumption is developed as Production + Imports - Exports. The production figures were taken from table 2; exports and imports from tables 7 and 8 were converted into crude steel equivalent by using a factor of  $1.3/(1+0.175c)$ , where c is the domestic proportion of crude steel which is continuously cast. This adjustment was made to avoid distortion of the export/import share relative to domestic production or consumption. For countries with little or no steel production, or where continuous casting ratios were not known, world average ratios were used. For Japan and the United Kingdom, apparent consumption calculations made by the national steel statistical authorities were available, and these have been employed in the table.
- Sources  
In addition to IISI's own direct respondents, publications of the United Nations Economic Commission for Europe, The United Kingdom Iron and Steel Statistics Bureau, ILAFA, IBS, and APEF have been used.

Founded in 1967, the International Iron and Steel Institute (IISI) is a non-profit research organisation whose members are steel companies, national steel federations and steel research associations in 43 countries. Together these 43 countries produced more than 60 percent of the 1985 world crude steel production, and approximately 99 percent of world production excluding the USSR and most other members of the Council for Mutual Economic Assistance (COMECON), the PR of China and the DPR of Korea. IISI undertakes research into economic, financial, technological, environmental and promotional aspects of world steel and into various raw materials and industrial relations matters on behalf of its members. It also collects, evaluates and disseminates world steel statistics.

## **STEEL STATISTICAL YEARBOOK 1986**

