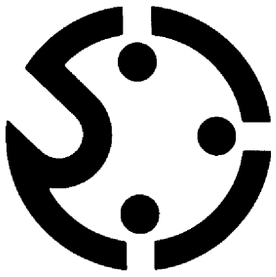

INTERNATIONAL IRON AND STEEL INSTITUTE

Steel Statistical Yearbook 1987

COMMITTEE ON STATISTICS
Brussels 1987

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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 1987.

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.

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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	675.4
1927	101.8	1977	675.5
1928	110.0	1978	716.8
1929	120.8	1979	746.9
1930	95.1	1980	716.4
1931	69.6	1981	707.8
1932	50.7	1982	645.6
1933	68.0	1983	663.8
1934	82.4	1984	710.5
1935	99.5	1985	720.1
1936	124.3	1986	715.4
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

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium	12,233	11,346	12,692	13,535	12,422	12,377	9,992	10,154	11,300	10,683	9,722
Denmark	722	686	863	804	734	612	560	493	548	528	632
France	23,227	22,094	22,841	23,360	23,176	21,258	18,402	17,582	19,000	18,808	17,857
FR of Germany	42,413	38,984	41,253	46,040	43,838	41,610	35,880	35,729	39,389	40,497	37,134
Greece	614	573	670	813	870	909	933	868	898	985	1,010
Ireland	58	47	69	72	2	32	61	141	166	203	208
Italy	23,455	23,335	24,283	24,250	26,501	24,777	24,009	21,811	24,062	23,898	22,882
Luxembourg	4,565	4,329	4,790	4,949	4,618	3,790	3,510	3,294	3,987	3,945	3,705
Netherlands	5,178	4,923	5,590	5,805	5,272	5,472	4,354	4,477	5,739	5,517	5,283
Portugal	461	531	608	650	659	570	501	670	700	671	710
Spain	10,982	11,169	11,339	12,248	12,643	12,896	13,178	13,009	13,497	14,193	11,978
United Kingdom	22,274	20,411	20,311	21,464	11,277	15,573	13,704	14,986	15,121	15,722	14,725
EC Total	146,182	138,428	145,309	153,990	142,012	139,876	125,084	123,214	134,407	135,650	125,846
Austria	4,476	4,093	4,335	4,917	4,623	4,656	4,258	4,411	4,870	4,660	4,292
Finland	1,649	2,196	2,333	2,464	2,508	2,428	2,414	2,416	2,639	2,518	2,586
Norway	886	704	797	891	862	848	776	886	916	944	836
Sweden	5,139	3,968	4,325	4,733	4,237	3,770	3,900	4,210	4,705	4,813	4,710
Switzerland	545	656	784	886	929	934	835	835	978	987	1,075
Turkey	1,972	1,902	2,172	2,396	2,536	2,425	3,183	3,834	4,330	4,864	5,928
Yugoslavia	2,751	3,182	3,456	3,535	3,634	3,977	3,840	4,134	4,236	4,480	4,520
Other Western Europe	17,418	16,701	18,202	19,822	19,329	19,038	19,206	20,726	22,674	23,266	23,947
Total Western Europe	163,600	155,129	163,511	173,812	161,341	158,914	144,290	143,940	157,081	158,916	149,793
Canada	13,290	13,631	14,899	16,054	15,901	14,811	11,871	12,832	14,699	14,637	14,081
United States	116,120	113,700	124,313	123,688	101,456	109,614	67,656	76,762	83,941	80,068	74,032
Japan	107,399	102,405	102,105	111,748	111,395	101,676	99,548	97,179	105,586	105,279	98,275
Australia	7,794	7,338	7,596	8,119	7,589	7,635	6,371	5,676	6,302	6,609	6,674
New Zealand	222	218	225	229	230	221	252	234	280	227	287
South Africa	7,106	7,295	7,902	8,876	9,067	9,005	8,280	7,180	7,732	8,507	8,895
TOTAL INDUSTRIAL CTS.	415,531	399,716	420,551	442,526	406,979	401,876	338,268	343,803	375,621	374,243	352,037
Argentina	2,410	2,684	2,782	3,199	2,687	2,526	2,913	2,942	2,647	2,946	3,235
Brazil	9,253	11,253	12,205	13,893	15,309	13,226	12,995	14,671	18,386	20,456	21,233
Central America	13	62	64	98	94	95	32	57	102	99	127
Chile	480	548	597	657	704	644	492	618	692	689	706
Colombia	356	330	390	354	420	402	422	482	507	530	632
Ecuador	0	0	0	0	16	26	27	23	17	18	17
Mexico	5,298	5,601	6,775	7,117	7,156	7,605	7,056	6,917	7,482	7,261	7,168
Panama	0	0	0	0	6	10	8	15	0	0	0
Peru	346	379	374	379	447	364	272	299	337	397	486
Trinidad & Tobago	0	0	0	0	0	45	219	210	172	164	331
Uruguay	16	19	7	16	18	14	20	46	41	39	31
Venezuela	937	854	859	1,475	1,975	2,030	2,278	2,320	2,770	3,060	3,402
Total Latin America	19,109	21,730	24,053	27,188	28,832	26,987	26,734	28,600	33,153	35,659	37,368

Table 2
(continued)

CRUDE STEEL PRODUCTION

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria	206	285	211	450	370	557	868	892	755	800	800 E
Egypt	699	819	823	925	1,153	1,141	1,161	1,050	1,150	950	1,000 E
Nigeria	15	15	15	15	20	22	90	182	187	321	200
Tunisia	103	156	160	176	178	173	107	163	169	160	182
Zimbabwe	733	734	778	740	805	691	538	647	423	731	674
Other Africa (E)	60	60	60	65	70	70	70	75	75	75	75 E
Total Africa	1,816	2,069	2,047	2,371	2,596	2,654	2,834	3,009	2,759	3,037	2,931
Iran	549	1,825	1,300	1,430	1,200	1,200	1,200	1,200	1,200	1,200	1,200 E
Israel	70	72	94	107	115	114	87	83	92	100	110
Qatar	0	0	127	396	461	469	495	469	478	533	507
Saudi Arabia	0	0	0	0	0	0	0	275	842	1,106	1,100 E
Other (E)	65	51	55	170	170	180	200	200	200	200	200 E
Total Middle East	684	1,948	1,576	2,103	1,946	1,963	1,982	2,227	2,812	3,139	3,117
Bangladesh	90	108	120	125	131	134	78	58	88	122	116
Hong Kong (E)	120	120	120	120	120	120	120	120	120	120	120 E
India	9,364	10,009	10,099	10,126	9,514	10,780	10,997	10,237	10,549	11,936	12,197
Indonesia	139	250	225	305	360	500	500	800	1,000	1,200	1,500 E
Malaysia	190	194	203	207	210	210	210	350	350	550	750 E
Philippines	350	357	276	397	330	350	350	200	250	250	250 E
Singapore	203	215	281	293	340	263	359	305	362	365	390
Republic of Korea	3,511	4,346	4,969	7,610	8,558	10,753	11,758	11,915	13,034	13,539	14,555
Taiwan (ROC)	1,098	1,710	3,426	3,186	3,417	3,157	4,152	5,031	5,008	5,088	5,545
Thailand	281	309	346	440	450	300	312	244	381	380	380 E
Other (E)	200	250	230	225	225	220	250	450	550	850	850 E
Total Asia	15,546	17,868	20,295	23,034	23,655	26,787	29,086	29,710	31,692	34,400	36,653
TOTAL DEVELOPING CTS.	37,155	43,615	47,971	54,696	57,029	58,391	60,636	63,546	70,416	76,235	80,069
TOTAL WESTERN WORLD	452,686	443,331	468,522	497,222	464,008	460,267	398,904	407,349	446,037	450,478	432,106
Bulgaria	2,460	2,589	2,470	2,482	2,567	2,483	2,586	2,825	2,878	2,944	2,898
Czechoslovakia	14,693	15,054	15,294	14,817	14,925	15,270	14,992	15,024	14,831	15,036	15,112
German Dem Rep	6,740	6,850	6,976	7,024	7,308	7,467	7,168	7,219	7,573	7,853	7,967
Hungary	3,652	3,723	3,877	3,907	3,767	3,645	3,702	3,617	3,785	3,670	3,715
Poland	15,640	17,841	19,251	19,218	19,485	15,719	14,794	16,227	16,533	16,126	17,144
Romania	10,970	11,457	11,779	12,909	13,175	13,025	13,055	12,593	14,437	13,795	14,276
USSR	144,805	146,655	151,436	149,087	147,931	148,517	147,153	152,511	154,230	154,653	160,685
Total Eastern Europe	198,960	204,169	211,083	209,444	209,158	206,126	203,450	210,016	214,267	214,077	221,797
Cuba	296	302	324	328	304	330	301	364	338	400	416
China	20,459	23,740	31,780	34,484	37,121	35,604	37,160	40,021	43,319	46,724	51,900
DPR Korea (E)	3,000	4,000	5,080	5,400	5,800	5,500	5,800	6,100	6,500	8,400	9,190
TOTAL CPE'S	222,715	232,211	248,267	249,656	252,383	247,560	246,711	256,501	264,424	269,601	283,303
WORLD TOTAL	675,401	675,542	716,789	746,878	716,391	707,827	645,615	663,850	710,461	720,079	715,409

Table 3

MONTHLY CRUDE STEEL PRODUCTION

(thousand metric tons)

European Community

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
January	11,577	11,622	11,781	10,948	11,620	9,466	10,920	10,968	11,043	9,737
February	11,420	12,258	11,593	11,096	11,493	9,675	11,174	10,795	10,517	9,929
March	12,914	13,797	12,852	12,375	12,355	10,956	11,947	12,194	11,262	11,225
April	13,229	12,399	12,811	11,586	11,739	10,211	10,940	11,485	11,081	10,651
May	12,805	13,330	13,444	12,293	11,968	10,823	11,732	11,777	10,567	11,310
June	12,417	12,923	13,047	11,963	11,044	10,621	11,404	11,877	10,516	10,888
July	11,670	12,758	12,055	11,517	9,726	9,537	11,036	11,164	9,874	10,315
August	10,065	11,437	9,952	9,836	7,596	7,944	8,889	9,252	8,313	8,405
September	12,515	13,550	11,272	11,972	9,593	10,587	11,525	11,403	10,712	10,372
October	12,936	13,770	11,672	12,134	9,604	11,294	11,946	11,873	11,064	
November	12,542	13,374	11,036	11,986	9,202	10,980	11,490	11,426	10,566	
December	10,370	11,963	9,672	10,937	8,173	10,009	10,269	10,183	9,112	
Year total	144,460	153,181	141,187	138,643	124,113	122,103	133,272	134,397	124,627	92,832

United States

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
January	9,312	10,074	9,708	9,607	7,017	5,052	7,230	6,336	6,955	5,668
February	8,653	9,582	9,373	9,097	6,510	5,149	7,386	6,215	6,505	5,436
March	10,002	11,409	10,337	10,657	7,300	6,464	8,215	7,502	7,209	6,690
April	10,428	11,064	9,669	10,199	6,354	6,615	8,162	7,141	7,064	6,715
May	11,171	11,602	8,370	10,363	6,057	6,724	8,323	7,103	6,909	6,932
June	10,747	11,095	6,805	9,481	5,487	6,344	7,208	6,615	6,105	6,667
July	10,329	10,724	6,165	9,217	5,187	6,279	6,768	6,359	5,763	6,644
August	10,457	10,260	6,367	9,181	5,023	6,369	6,273	6,468	5,142	6,799
September	10,350	9,563	7,046	8,725	4,806	6,472	5,786	6,282	5,120	6,980
October	11,005	9,807	8,566	8,167	4,773	6,978	6,081	6,669	5,522	
November	10,573	9,070	9,124	7,223	4,123	6,589	5,826	6,396	5,317	
December	10,713	9,068	9,235	6,959	4,042	6,342	5,455	6,104	5,331	
Year total	123,740	123,318	100,765	108,876	66,679	75,377	82,713	79,190	72,942	58,531

Japan

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
January	8,328	9,234	9,648	8,314	8,787	7,677	8,645	8,875	8,568	7,797
February	7,646	8,711	9,237	7,785	8,206	7,121	8,325	8,426	7,877	7,261
March	8,272	9,256	9,579	8,354	8,813	7,759	8,608	9,162	8,496	7,988
April	8,367	9,329	9,801	8,438	8,788	7,964	8,822	9,113	8,438	8,237
May	8,466	9,524	9,969	8,516	8,766	8,207	9,031	9,159	8,526	8,225
June	8,326	9,158	9,506	8,416	8,453	8,005	8,719	8,779	8,267	7,946
July	8,799	9,553	9,481	8,748	8,191	8,408	9,068	8,965	8,077	8,153
August	8,705	9,312	8,905	8,516	7,925	8,139	8,836	8,539	7,764	8,158
September	8,561	9,225	8,940	8,398	7,867	8,202	8,621	8,289	7,910	8,015
October	9,053	9,707	9,192	9,006	8,060	8,913	9,186	8,917	8,227	
November	8,770	9,445	8,609	8,668	7,888	8,459	8,828	8,498	8,024	
December	8,811	9,303	8,528	8,516	7,803	8,315	8,895	8,559	8,101	
Year total	102,104	111,757	111,395	101,675	99,547	97,169	105,584	105,281	98,275	71,780

Table 3
(continued)

MONTHLY CRUDE STEEL PRODUCTION

(thousand metric tons)

Other Reporting Countries

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
January	7,142	8,215	8,748	8,487	8,537	7,605	9,233	9,192	10,232	10,125
February	6,717	7,571	8,201	8,138	7,998	7,318	8,795	8,806	9,480	9,602
March	7,557	8,694	8,678	9,202	8,832	8,288	9,671	10,170	10,526	10,575
April	7,344	8,360	8,260	8,660	8,261	8,014	9,226	9,365	9,970	10,099
May	7,544	8,656	8,392	8,892	8,501	8,360	9,390	9,831	10,234	10,536
June	7,225	8,032	8,279	8,497	8,033	8,169	9,105	9,611	9,765	10,271
July	6,900	7,984	8,171	8,230	7,881	7,990	8,899	9,186	9,412	10,040
August	7,199	8,299	8,400	7,830	8,219	8,477	9,312	9,726	9,929	10,576
September	7,665	8,343	8,198	7,919	7,989	8,606	9,175	9,986	10,056	10,857
October	7,892	8,888	8,547	8,149	7,905	9,106	9,666	10,439	10,457	
November	7,713	8,510	8,528	7,870	7,551	8,855	9,197	10,116	10,258	
December	7,948	8,694	8,440	8,355	7,367	8,661	9,267	10,249	10,217	
Year total	88,846	100,246	100,842	100,229	97,074	99,449	110,936	116,677	120,536	92,681

Total 29 Reporting Countries

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
January	36,359	39,145	39,885	37,356	35,961	29,800	36,028	35,371	36,798	33,327
February	34,436	38,122	38,404	36,116	34,207	29,263	35,680	34,242	34,379	32,228
March	38,745	43,156	41,446	40,588	37,300	33,467	38,441	39,028	37,493	36,478
April	39,368	41,152	40,541	38,883	35,142	32,804	37,150	37,104	36,553	35,702
May	39,986	43,112	40,175	40,064	35,292	34,114	38,476	37,870	36,236	37,003
June	38,715	41,208	37,637	38,357	33,017	33,139	36,436	36,882	34,653	35,772
July	37,698	41,019	35,872	37,712	30,985	32,214	35,771	35,674	33,126	35,152
August	36,426	39,308	33,624	35,363	28,763	30,929	33,310	33,985	31,148	33,938
September	39,091	40,681	35,456	37,014	30,255	33,867	35,107	35,960	33,798	36,224
October	40,886	42,172	37,977	37,456	30,342	36,291	36,879	37,898	35,270	
November	39,598	40,399	37,297	35,747	28,764	34,883	35,341	36,436	34,165	
December	37,842	39,028	35,875	34,767	27,385	33,327	33,886	35,095	32,761	
Year total	459,150	488,502	454,189	449,423	387,413	394,098	432,505	435,545	416,380	315,824

In these tables, the European Community figures comprise the following ten countries: Belgium, Denmark, FR Germany, France, Italy, Luxembourg, Netherlands, Portugal, Spain, United Kingdom. Ireland and Greece, which do not report monthly production to IISI, are excluded.

Other Reporting Countries include Austria, Finland, Norway, 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.

The above figures may differ marginally from those in Table 2, due to annual revisions which cannot be allocated month-by-month.

Table 4

CRUDE STEEL PRODUCTION BY PROCESS - 1985

	Thousand Metric Tons					Percentages of Total			
	Oxygen	Electric	OH	Other	Total	Oxygen	EAF	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	3,673	0	0	18,808	80.5	19.5	0.0	0.0
FR of Germany	33,020	7,477	0	0	40,497	81.5	18.5	0.0	0.0
Ireland	0	203	0	0	203	0.0	100.0	0.0	0.0
Italy	11,367	12,524	0	7	23,898	47.6	52.4	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
Portugal	436	226	0	9	671	65.0	33.7	0.0	1.3
Spain	5,459	8,734	0	0	14,193	38.5	61.5	0.0	0.0
United Kingdom	11,185	4,537	0	0	15,722	71.1	28.9	0.0	0.0
EC Total	95,671	38,979	0	16	134,666	71.0	28.9	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
Sweden	2,425	2,388	0	0	4,813	50.4	49.6	0.0	0.0
Turkey	2,617	1,728	519	0	4,864	53.8	35.5	10.7	0.0
Yugoslavia	1,801	1,155	1,524	0	4,480	40.2	25.8	34.0	0.0
Other Western Europe	13,655	6,581	2,043	0	22,279	61.3	29.5	9.2	0.0
Total Western Europe	109,326	45,560	2,043	16	156,945	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.	253,999	110,229	7,874	173	372,275	68.2	29.6	2.1	.0
Argentina	981	1,522	438	5	2,946	33.3	51.7	14.9	0.2
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	2,587	473	0	3,060	0.0	84.5	15.5	0.0
India	3,960	3,044	4,932	0	11,936	33.2	25.5	41.3	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.	289,979	131,634	15,454	178	437,245	66.3	30.1	3.5	.0
Bulgaria	1,623	1,008	315	0	2,946	55.1	34.2	10.7	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	6,694	2,954	4,148	0	13,796	48.5	21.4	30.1	0.0
USSR	49,949	19,049	85,590	65	154,653	32.3	12.3	55.3	.0
Total Eastern Europe	68,203	28,284	102,346	188	199,021	34.3	14.2	51.4	0.1
TOTAL	358,182	159,918	117,800	366	636,266	56.3	25.1	18.5	0.1

(1) Oxygen figure includes Open Hearth

Table 4
(continued)

CRUDE STEEL PRODUCTION BY PROCESS - 1986

	Thousand Metric Tons					Percentages of Total			
	Oxygen	Electric	OH	Other	Total	Oxygen %	EAF %	OH %	Other %
Belgium	9,027	695			9,722	92.9	7.1	0.0	0.0
Denmark		632			632	0.0	100.0	0.0	0.0
France	13,735	4,122			17,857	76.9	23.1	0.0	0.0
FR of Germany	30,321	6,813			37,134	81.7	18.3	0.0	0.0
Ireland		208			208	0.0	100.0	0.0	0.0
Italy	11,045	11,830		7	22,882	48.3	51.7	0.0	.0
Luxembourg	3,705				3,705	100.0	0.0	0.0	0.0
Netherlands	5,052	231			5,283	95.6	4.4	0.0	0.0
Portugal	446	256		8	710	62.8	36.1	0.0	1.1
Spain	4,874	7,104			11,978	40.7	59.3	0.0	0.0
United Kingdom	10,560	4,044		121	14,725	71.7	27.5	0.0	0.8
EC Total	88,765	35,935	0	136	124,836	71.1	28.8	0.0	0.1
Austria	3,891	401			4,292	90.7	9.3	0.0	0.0
Finland	2,148	438			2,586	83.1	16.9	0.0	0.0
Norway (E)	494	343			837	59.0	41.0	0.0	0.0
Sweden	2,465	2,245			4,710	52.3	47.7	0.0	0.0
Turkey	2,930	2,390	608		5,928	49.4	40.3	10 3	0.0
Yugoslavia	1,770	1,241	1,509		4,520	39.2	27.5	33.4	0.0
Other Western Europe	13,698	7,058	2,117	0	22,873	59.9	30.9	9.3	0.0
Total Western Europe	102,463	42,993	2,117	136	147,709	69.4	29.1	1.4	0.1
Canada (1)	9,939	4,142			14,081	70.6	29.4	0.0	0.0
United States	43,441	27,569	3,021		74,031	58.7	37.2	4.1	0.0
Japan	69,117	29,158			98,275	70.3	29.7	0.0	0.0
Australia (E)	6,357	317			6,674	95.3	4.7	0.0	0.0
New Zealand		287			287	0.0	100.0	0.0	0.0
South Africa	5,523	3,372			8,895	62.1	37.9	0.0	0.0
TOTAL INDUSTRIAL CTS.	236,840	107,838	5,138	136	349,952	67.7	30.8	1.5	.0
Argentina	1,425	1,470	341		3,236	44.0	45.4	10.5	0.0
Brazil	15,427	5,290	516		21,233	72.7	24.9	2.4	0.0
Chile	674	32			706	95.5	4.5	0.0	0.0
Mexico	3,461	2,853	855		7,169	48.3	39.8	11.9	0.0
Venezuela		2,798	604		3,402	0.0	82.2	17.8	0.0
India	4,335	3,201	4,661		12,197	35.5	26.2	38.2	0.0
Republic of Korea	9,528	5,027			14,555	65.5	34.5	0.0	0.0
Taiwan (ROC)	3,641	1,904			5,545	65.7	34.3	0.0	0.0
TOTAL WESTERN CTS.	275,331	130,413	12,115	136	417,995	65.9	31.2	2.9	.0
Bulgaria	1,592	991	315		2,898	54.9	34.2	10.9	0.0
German Dem Rep	2,041	2,415	3,400	111	7,967	25.6	30.3	42.7	1.4
Hungary	1,434	467	1,814		3,715	38.6	12.6	48.8	0.0
Poland	7,540	2,507	7,088	9	17,144	44.0	14.6	41.3	0.1
Romania	6,851	3,219	4,207		14,277	48.0	22.5	29.5	0.0
USSR (E)	52,800	22,800	85,400		161,000	32.8	14.2	53.0	0.0
Total Eastern Europe	72,258	32,399	102,224	120	207,001	34.9	15.7	49.4	0.1
TOTAL	347,589	162,812	114,339	256	624,996	55.6	26.1	18.3	.0

(1) Oxygen figure includes Open Hearth

Table 5

CONTINUOUSLY CAST STEEL

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium	693	1,655	2,672	3,161	3,170	3,789	3,294	3,903	5,597	6,412	7,036
Denmark	312	347	481	473	538	586	542	480	545	528	632
France	4,212	5,244	6,286	6,930	9,561	10,918	10,769	11,218	12,708	15,168	16,086
FR of Germany	12,014	13,272	15,670	17,948	20,162	22,319	22,214	25,654	30,294	32,208	31,404
Ireland	0	0	0	0	0	32	61	141	166	203	208
Italy	7,559	8,986	10,073	11,243	13,218	12,578	14,056	14,886	17,638	18,794	19,196
Luxembourg	0	0	0	0	0	265	680	794	1,044	1,117	1,281
Netherlands	0	0	0	0	313	1,159	1,350	1,610	2,220	2,155	2,258
Portugal	69	195	244	245	281	212	236	291	277	293	319
Spain	2,493	2,887	3,287	3,885	4,608	5,098	5,525	5,965	6,666	8,084	7,349
United Kingdom	2,165	2,554	3,149	3,627	3,059	4,958	5,341	6,986	7,858	8,620	8,903
EC Total	29,517	35,140	41,862	47,512	54,910	61,914	64,068	71,928	85,013	93,582	94,672
Austria	1,244	1,533	1,723	2,336	2,367	2,907	3,290	3,862	4,336	4,352	4,061
Finland	1,255	1,831	2,054	2,187	2,261	2,231	2,255	2,259	2,485	2,355	2,440
Norway	142	117	126	132	111	136	227	320	471	525	475 E
Sweden	1,451	1,214	1,561	1,824	2,077	2,517	2,965	3,354	3,744	3,880	3,858
Turkey	0	0	0	0	183	324	1,772	2,438	3,118	3,197	4,447
Yugoslavia	398	824	1,186	1,286	1,329	1,720	1,826	2,133	2,194	2,395	2,415
Other Western Europe	4,490	5,519	6,650	7,765	8,328	9,835	12,335	14,366	16,348	16,704	17,696
Total Western Europe	34,007	40,659	48,512	55,277	63,238	71,749	76,403	86,294	101,361	110,286	112,368
Canada	1,582	2,169	3,011	3,192	4,073	4,771	3,895	4,802	5,647	6,384	6,456
United States	12,246	14,268	18,903	20,904	20,611	22,247	19,616	24,652	33,266	35,527	39,502
Japan	37,629	41,807	47,159	58,116	66,271	71,843	78,377	83,819	94,097	95,940	91,112
Australia	0	0	33	441	779	992	1,118	1,398	1,701	1,792	1,800 E
South Africa	1,861	2,739	3,431	4,374	4,709	4,970	5,067	4,316	4,758	5,500	5,684
TOTAL INDUSTRIAL CTS.	87,325	101,642	121,049	142,304	159,681	176,572	184,476	205,281	240,830	255,429	256,922
Argentina	665	737	1,129	1,558	1,431	1,244	1,510	1,429	1,254	1,839	2,100
Brazil	1,119	1,957	3,016	3,831	5,106	4,816	5,336	6,505	7,589	8,949	9,782
Chile	11	11	9	10	15	9	4	8	11	13	13 E
Mexico	682	1,615	2,000	2,100	2,100	2,447	2,675	3,849	4,082	3,944	3,900 E
Venezuela	0	0	100	400	800	1,262	1,558	1,817	2,000	2,250	2,426
Republic of Korea	770	1,376	1,829	2,325	2,769	4,765	6,012	6,739	7,903	8,574	10,349
Taiwan (ROC)	0	420	1,341	1,910	1,931	1,848	3,360	4,259	4,337	4,435	4,894
TOTAL WESTERN CTS.	90,572	107,758	130,473	154,438	173,833	192,963	204,931	229,887	268,006	285,433	290,386
Bulgaria	0	0	0	0	0	0	0	197	288	273	296
Czechoslovakia	107	110	58	140	222	228	375	766	1,077	1,156	1,246
German Dem Rep	566	623	677	738	1,038	1,180	1,233	1,308	1,937	2,649	2,908
Hungary	1,019	1,054	1,151	1,281	1,359	1,290	1,243	1,420	1,757	1,698	1,937
Poland	297	446	539	691	772	605	635	653	1,663	1,660	1,820
Romania	0	0	0	0	2,379	2,690	2,927	3,280	4,366	4,127	4,549
USSR	11,729	12,200	14,400	15,300	15,900	18,100	18,600	18,900	19,100	20,600	23,300
Total Eastern Europe	13,718	14,433	16,825	18,150	21,670	24,093	25,013	26,524	30,188	32,163	36,056
TOTAL	104,290	122,191	147,298	172,588	195,503	217,056	229,944	256,411	298,194	317,596	326,442

Table 5
(continued)

CONTINUOUSLY CAST STEEL

Percentage of Total Crude Steel Production

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium	5.7	14.6	21.1	23.4	25.5	30.6	33.0	38.4	49.5	60.0	72.4
Denmark	43.2	50.6	55.7	58.8	73.3	95.8	96.8	97.4	99.5	100.0	100.0
France	18.1	23.7	27.5	29.7	41.3	51.4	58.5	63.8	66.9	80.6	90.1
FR of Germany	28.3	34.0	38.0	39.0	46.0	53.6	61.9	71.8	76.9	79.5	84.6
Ireland	0.0	0.0	0.0	0.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0
Italy	32.2	38.5	41.5	46.4	49.9	50.8	58.5	68.2	73.3	78.6	83.9
Luxembourg	0.0	0.0	0.0	0.0	0.0	7.0	19.4	24.1	26.2	28.3	34.6
Netherlands	0.0	0.0	0.0	0.0	5.9	21.2	31.0	36.0	38.7	39.1	42.7
Portugal	15.0	36.7	40.1	37.7	42.6	37.2	47.1	43.4	39.6	43.7	44.9
Spain	22.7	25.8	29.0	31.7	36.4	39.5	41.9	45.9	49.4	57.0	61.4
United Kingdom	9.7	12.5	15.5	16.9	27.1	31.8	39.0	46.6	52.0	54.8	60.5
EC Total	20.3	25.5	28.9	31.0	38.9	44.6	51.6	58.8	63.7	69.5	75.8
Austria	27.8	37.5	39.7	47.5	51.2	62.4	77.3	87.6	89.0	93.4	94.6
Finland	76.1	83.4	88.0	88.8	90.2	91.9	93.4	93.5	94.2	93.5	94.4
Norway	16.0	16.6	15.8	14.8	12.9	16.0	29.3	36.1	51.4	55.6	56.8
Sweden	28.2	30.6	36.1	38.5	49.0	66.8	76.0	79.7	79.6	80.6	81.9
Turkey	0.0	0.0	0.0	0.0	7.2	13.4	55.7	63.6	72.0	65.7	75.0
Yugoslavia	14.5	25.9	34.3	36.4	36.6	43.2	47.6	51.6	51.8	53.5	53.4
Other Western Europe	26.6	34.4	38.2	41.0	45.3	54.3	67.1	72.2	75.4	75.0	77.4
Total Western Europe	20.9	26.4	29.9	32.1	39.6	45.7	53.6	60.7	65.3	70.3	76.1
Canada	11.9	15.9	20.2	19.9	25.6	32.2	32.8	37.4	38.4	43.6	45.8
United States	10.5	12.5	15.2	16.9	20.3	20.3	29.0	32.1	39.6	44.4	53.4
Japan	35.0	40.8	46.2	52.0	59.5	70.7	78.7	86.3	89.1	91.1	92.7
Australia	0.0	0.0	0.4	5.4	10.3	13.0	17.5	24.6	27.0	27.1	27.0
South Africa	26.2	37.5	43.4	49.3	51.9	55.2	61.2	60.1	61.5	64.7	63.9
TOTAL INDUSTRIAL CTS.	21.1	25.5	28.9	32.3	39.4	44.2	54.9	60.0	64.5	68.7	73.5
Argentina	27.6	27.5	40.6	48.7	53.3	49.2	51.8	48.6	47.4	62.4	64.9
Brazil	12.1	17.4	24.7	27.6	33.4	36.4	41.1	44.3	41.3	43.7	46.1
Chile	2.3	2.0	1.5	1.5	2.1	1.4	0.8	1.3	1.6	1.9	1.8
Mexico	12.9	28.8	29.5	29.5	29.3	32.2	37.9	55.6	54.6	54.3	54.4
Venezuela	0.0	0.0	11.6	27.1	40.5	62.2	68.4	78.3	72.2	73.5	71.3
Republic of Korea	21.9	31.7	36.8	30.6	32.4	44.3	51.1	56.6	60.6	63.3	71.1
Taiwan (ROC)	0.0	24.6	39.1	59.9	56.5	58.5	80.9	84.7	86.6	87.2	88.3
TOTAL WESTERN CTS.	20.7	25.3	29.0	32.3	39.1	43.9	54.2	59.5	63.3	67.1	71.6
Bulgaria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	10.0	9.3	10.2
Czechoslovakia	0.7	0.7	0.4	0.9	1.5	1.5	2.5	5.1	7.3	7.7	8.2
German Dem Rep	8.4	9.1	9.7	10.5	14.2	15.8	17.2	18.1	25.6	33.7	36.5
Hungary	27.9	28.3	29.7	32.8	36.1	35.4	33.6	39.3	46.4	46.3	52.1
Poland	1.9	2.5	2.8	3.6	4.0	3.8	4.3	4.0	10.1	10.3	10.6
Romania	0.0	0.0	0.0	0.0	18.1	20.7	22.4	26.0	30.2	29.9	31.9
USSR	8.1	8.3	9.5	10.3	10.7	12.2	12.6	12.4	12.4	13.3	14.5
Total Eastern Europe	6.9	7.1	8.0	8.7	10.4	11.7	12.3	12.6	14.1	15.0	16.3
TOTAL	16.4	19.4	22.3	25.1	29.9	33.6	39.6	43.0	46.8	49.7	52.0

Table 6
ARGENTINA

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	0	0	285	238	215	163	7	18	308	439
Railway Track Material	0	0	21	21	64	29	25	35	4	7
Structurals and Bar Mill Products:										
Heavy Structurals	0	0	66	44	50	69	50	45	25	48
Bars & Light Shapes	0	0	222	151	142	246	192	199	157	180
Re-inforcing Bars (1)	0	0	627	552	516	485	476	336	273	336
Total	0	0	915	747	708	800	718	580	455	564
Wire Rods	0	0	58	67	77	93	194	220	328	238
Hot Rolled Strip	0	0	4	11	42	86	90	41	87	56
Plates	0	0	207	272	148	217	153	47	62	63
Sheet and Coil:										
Hot Rolled Sheet & Coil	0	0	214	75	30	60	147	242	139	322
Cold Rolled Sheet & Coil	0	0	641	527	392	524	557	527	459	654
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	0	0	152	127	94	88	120	128	21	0
Other Coated Sheet	0	0	7	7	10	6	8	10	1	0
Total	0	0	1,014	736	526	678	832	907	620	976
Tinplate & Black Plate	0	0	71	43	52	87	79	94	89	84
Wheels & Axles (rolled & forged) (2)	0	0	7	8	6	5	3	4	5	5
Steel Tubes and Fittings (3)	0	0	0	0	0	0	0	0	0	0
Drawn Wire	0	0	157	107	92	117	131	132	92	118
Cold Rolled Strip	0	0	17	23	44	29	32	20	34	45
Cold Drawn Bars (4)	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	0	0	2,756	2,273	1,974	2,304	2,264	2,098	2,084	2,595
Special Steel Grades (all products)	0	0	528	413	407	434	478	475	458	472
TOTAL STEEL PRODUCTS	0	0	3,284	2,686	2,381	2,738	2,742	2,573	2,542	3,067

(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.

BELGIUM

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	227	196	425	470	442	472	712	646	438	350
Railway Track Material	0	0	0	0	0	0	0	0	0	1
Structurals and Bar Mill Products:										
Heavy Structurals	1,165	1,218	1,116	964	821	462	519	488	529	491
Bars & Light Shapes	581	570	609	524	392	282	320	264	223	199
Re-inforcing Bars	385	345	500	404	261	262	202	205	200	138
Total	2,131	2,133	2,225	1,892	1,474	1,006	1,041	957	952	828
Wire Rods	478	582	655	648	653	572	503	570	607	530
Hot Rolled Strip	101	89	41	27	65	64	58	84	33	84
Plates	1,141	1,410	1,492	1,488	1,638	1,341	1,084	1,131	1,194	961
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,680	2,346	2,435	2,221	2,412	2,002	2,147	2,541	2,584	2,430
Cold Rolled Sheet & Coil	2,234	2,406	2,199	2,020	1,906	1,542	1,444	1,692	1,888	1,856
Electrical Sheet	98	108	119	148	120	79	100	95	101	96
Galvanised Sheet (1)	529	626	705	700	715	626	679	734	747	724
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	4,541	5,486	5,458	5,089	5,153	4,249	4,370	5,062	5,320	5,106
Tinplate & Black Plate	380	323	368	372	351	418	473	572	531	479
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	8,999	10,219	10,664	9,986	9,776	8,122	8,241	9,022	9,135	8,338
Special Steel Grades (all products)	191	236	679	668	472	478	510	640	539	470
TOTAL STEEL PRODUCTS	9,190	10,455	11,343	10,654	10,248	8,600	8,751	9,662	9,674	8,808

(1) Other Coated Sheet included with Galvanised Sheet.
Excluding tonnages of coils re-exported after sub-contract rolling for other EC steelworks.

BRAZIL

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	327	313	1,004	919	536	400	703	2,530	3,626	4,330
Railway Track Material	62	28	108	113	57	104	76	88	110	88
Structurals and Bar Mill Products:										
Heavy Structurals	446	478	212	243	219	162	129	142	176	219
Bars & Light Shapes	0	0	698	728	521	537	645	819	828	973
Re-inforcing Bars	1,826	2,004	1,587	1,682	1,796	1,722	1,794	2,218	2,393	2,225
Total	2,272	2,482	2,497	2,653	2,536	2,421	2,568	3,179	3,397	3,417
Wire Rods	211	229	256	307	383	420	429	484	796	749
Hot Rolled Strip	0	0	0	0	0	0	0	0	0	0
Plates	1,114	1,295	1,975	2,337	2,018	1,636	1,773	2,107	2,580	2,333
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,172	1,231	1,397	1,607	1,242	1,701	2,607	2,702	2,428	2,871
Cold Rolled Sheet & Coil	1,265	1,458	1,719	1,920	1,554	1,703	1,987	2,015	1,964	2,379
Electrical Sheet	26	24	21	37	29	45	41	53	62	71
Galvanised Sheet	127	192	182	191	169	182	166	193	305	346
Other Coated Sheet	29	100	39	31	49	63	93	123	137	162
Total	2,619	3,005	3,358	3,786	3,043	3,694	4,894	5,086	4,896	5,829
Tinplate & Black Plate	484	548	588	652	406	541	476	517	474	603
Wheels & Axles (rolled & forged)	0	0	0	0	0	0	0	0	0	0
Steel Tubes and Fittings	174	187	224	276	305	281	178	294	255	257
Drawn Wire	752	771	35	1,012	839	920	798	923	978	1,132
Cold Rolled Strip	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	0	0	45	67	46	41	43	70	51	0
TOTAL CARBON STEELS	8,015	8,858	10,090	12,122	10,169	10,458	11,938	15,278	17,163	18,738
Special Steel Grades (all products)	0	0	832	980	814	753	723	1,046	1,242	1,385
TOTAL STEEL PRODUCTS	8,015	8,858	10,922	13,102	10,983	11,211	12,661	16,324	18,405	20,123

Cold Drawn Bars not separately identified from 1986.

CANADA

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes (1)	0	0	0	0	0	0	0	0	228	62
Ingots & Semis for sale	626	702	596	761	1,328	524	778	557	140	293
Railway Track Material (2)	433	392	527	953	938	469	499	568	526	526
Structurals and Bar Mill Products:										
Heavy Structurals (2)	0	0	0	0	0	0	0	0	0	0
Bars & Light Shapes (2)	1,689	2,115	2,295	1,571	1,533	1,071	1,259	1,417	1,554	1,536
Re-inforcing Bars (3)	586	707	716	855	949	691	750	730	860	849
Total	2,275	2,822	3,011	2,426	2,482	1,762	2,009	2,147	2,414	2,385
Wire Rods (4)	784	1,007	1,181	1,218	1,002	905	1,003	1,099	1,042	0
Hot Rolled Strip (5)	0	0	0	0	0	0	0	0	0	0
Plates	1,178	1,524	1,800	1,875	1,921	1,208	1,065	1,545	1,530	1,459
Sheet and Coil:										
Hot Rolled Sheet & Coil	2,454	2,540	2,617	2,310	2,342	2,002	2,131	2,836	3,082	2,942
Cold Rolled Sheet & Coil	1,824	2,008	2,063	1,944	1,862	1,764	1,867	1,969	2,014	2,016
Electrical Sheet (6)	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	914	1,091	1,111	1,014	999	975	1,007	1,118	1,250	1,280
Other Coated Sheet (6)	0	0	0	0	0	0	0	0	0	0
Total	5,192	5,639	5,791	5,268	5,203	4,741	5,005	5,923	6,346	6,238
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	1,094	1,272	1,861	1,574	1,969	1,194	1,029	1,421	1,611	1,316
Drawn Wire (4)	625	889	823	1,035	641	533	616	0	0	0
Cold Rolled Strip (6)	0	0	0	0	0	0	0	0	0	0
Cold Drawn Bars	94	108	117	102	107	71	91	123	119	130
TOTAL CARBON STEELS	12,301	14,355	15,707	15,212	15,591	11,407	12,095	13,383	13,956	12,409
Special Steel Grades (all products) (7)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	12,301	14,355	15,707	15,212	15,591	11,407	12,095	13,383	13,956	12,409

(1) Included with Ingots and Semis. 1985 on: home deliveries only.
(2) Railway Track Material includes Heavy Structurals. 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)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	469	497	498	491	343	285	165	140	119	68
Ingots & Semis for sale	328	296	260	334	190	269	404	528	813	671
Railway Track Material	288	250	322	314	254	254	191	212	217	248
Structurals and Bar Mill Products:										
Heavy Structurals	1,037	1,135	987	983	938	768	769	727	698	680
Bars & Light Shapes	932	867	962	1,000	790	760	741	759	729	631
Re-inforcing Bars	930	859	977	738	719	560	548	532	555	479
Total	2,899	2,861	2,926	2,721	2,447	2,088	2,058	2,018	1,982	1,790
Wire Rods	1,820	1,989	2,143	2,084	2,022	1,564	1,638	1,749	1,938	1,744
Hot Rolled Strip	1,118	1,215	1,192	1,029	836	682	621	552	493	504
Plates	2,763	2,332	2,112	2,455	2,564	1,540	1,590	1,618	1,675	1,504
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,453	1,500	1,425	1,320	1,462	1,079	1,429	1,611	1,519	1,701
Cold Rolled Sheet & Coil	3,468	3,720	3,372	3,252	3,000	2,189	2,291	2,322	2,441	2,189
Electrical Sheet	153	160	195	254	211	198	248	235	236	226
Galvanised Sheet	856	974	1,101	1,152	1,189	1,141	1,264	1,496	1,597	1,793
Other Coated Sheet (1)	0	0	0	0	0	0	0	0	0	0
Total	5,930	6,354	6,093	5,978	5,862	4,607	5,232	5,664	5,793	5,909
Tinplate & Black Plate	1,108	1,152	1,108	1,143	1,008	880	944	965	974	1,016
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	16,723	16,946	16,654	16,549	15,526	12,169	12,843	13,446	14,004	13,454
Special Steel Grades (all products)	2,611	2,723	2,944	3,011	2,862	1,969	2,137	2,658	2,450	2,246
TOTAL STEEL PRODUCTS	19,334	19,669	19,598	19,560	18,388	14,138	14,980	16,104	16,454	15,700

(1) Included with Galvanised

F R GERMANY

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	911	929	971	890	0	0	0	0	0	0
Ingots & Semis for sale	4,228	4,889	5,610	5,603	7,120	6,030	5,744	7,262	7,562	6,220
Railway Track Material	414	440	531	456	475	367	306	342	369	285
Structurals and Bar Mill Products:										
Heavy Structurals	2,096	2,305	2,022	2,209	1,982	1,520	1,524	1,435	1,543	1,463
Bars & Light Shapes	2,952	3,126	3,431	3,186	3,714	3,087	3,035	3,097	3,098	2,890
Re-inforcing Bars	1,204	1,077	1,403	1,246	0	0	0	0	0	0
Total	6,252	6,508	6,856	6,641	5,696	4,607	4,559	4,532	4,641	4,353
Wire Rods	3,247	3,379	4,016	3,626	3,234	2,688	2,849	3,067	3,264	3,254
Hot Rolled Strip	2,329	2,330	2,654	2,516	2,334	2,084	2,104	2,093	2,065	2,007
Plates	6,415	7,262	7,661	7,194	5,232	4,415	4,025	4,396	4,831	4,353
Sheet and Coil:										
Hot Rolled Sheet & Coil	1,301	1,390	1,562	1,774	5,700	5,173	5,612	6,602	6,994	6,749
Cold Rolled Sheet & Coil	5,283	5,316	5,619	5,478	5,292	4,803	4,924	4,964	5,051	4,742
Electrical Sheet	333	378	361	372	0	0	0	0	0	0
Galvanised Sheet	1,421	1,453	1,724	1,751	1,808	1,816	1,912	2,149	2,201	2,268
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	8,338	8,537	9,266	9,375	12,800	11,792	12,448	13,715	14,246	13,759
Tinplate & Black Plate	852	813	858	963	1,017	1,026	1,078	999	1,019	994
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	32,986	35,087	38,423	37,264	37,908	33,009	33,113	36,406	37,997	35,225
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	32,986	35,087	38,423	37,264	37,908	33,009	33,113	36,406	37,997	35,225

Since 1981, Semis for Tubes are included with Ingots; Reinforcing Bars are included with other Bars;
Electrical Sheet is included in Cold Rolled; and the figures include all grades.
Galvanised Sheet includes Other Coated Sheet.

ITALY

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	754	768	730	725	645	676	523	606	568	545
Ingots & Semis for sale	256	330	310	418	850	825	871	616	658	473
Railway Track Material	232	208	230	204	214	230	217	275	265	260
Structurals and Bar Mill Products:										
Heavy Structurals	630	840	686	855	1,058	883	966	750	646	653
Bars & Light Shapes	2,773	3,094	2,676	2,830	2,773	2,381	2,592	2,260	2,563	2,349
Re-inforcing Bars	4,535	4,708	5,376	5,434	4,680	3,527	3,359	3,474	3,442	3,884
Total	7,938	8,642	8,738	9,119	8,511	6,791	6,917	6,484	6,651	6,886
Wire Rods	959	1,207	1,203	1,399	1,317	1,500	1,530	1,750	1,815	1,819
Hot Rolled Strip	704	703	717	809	732	552	438	491	322	342
Plates	2,592	2,633	2,543	2,694	3,074	2,761	2,477	2,841	3,079	2,359
Sheet and Coil:										
Hot Rolled Sheet & Coil	957	1,056	1,153	1,177	1,305	1,357	1,423	1,447	1,958	1,773
Cold Rolled Sheet & Coil	2,427	2,515	2,368	2,314	2,345	2,229	2,172	2,149	1,881	2,232
Electrical Sheet	187	208	208	201	167	175	196	205	199	201
Galvanised Sheet	471	549	554	535	617	595	653	708	746	846
Other Coated Sheet	68	68	96	107	140	139	64	71	105	157
Total	4,110	4,396	4,379	4,334	4,574	4,495	4,508	4,580	4,889	5,209
Tinplate & Black Plate	370	405	414	409	414	427	501	499	476	427
Wheels & Axles (rolled & forged)	31	28	53	61	51	52	46	39	29	28
Steel Tubes and Fittings	3,187	3,409	3,240	3,436	4,299	3,713	3,663	3,837	3,583	3,324
Drawn Wire	1,043	937	939	856	638	776	828	849	912	909
Cold Rolled Strip	521	563	553	504	444	461	477	490	459	514
Cold Drawn Bars	407	500	566	671	661	563	592	708	753	782
TOTAL CARBON STEELS	23,104	24,729	24,615	25,639	26,424	23,822	23,588	24,065	24,459	23,877
Special Steel Grades (all products) (1)	3,095	3,598	3,529	3,702	3,827	3,572	3,009	3,649	3,448	3,255
TOTAL STEEL PRODUCTS	26,199	28,327	28,144	29,341	30,251	27,394	26,597	27,714	27,907	27,132

(1) ECSC steel products only

JAPAN

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	254	255	293	271	252	221	233	270	238	321
Railway Track Material	580	648	545	518	436	496	450	614	596	464
Structurals and Bar Mill Products:										
Heavy Structurals	5,850	6,202	7,376	7,424	7,519	7,515	7,118	7,409	7,040	6,289
Bars & Light Shapes	14,335	15,470	19,023	18,410	15,969	16,496	16,667	16,935	18,391	17,630
Re-inforcing Bars (1)	0	0	0	0	0	0	0	0	0	0
Total	20,185	21,672	26,399	25,834	23,488	24,011	23,785	24,344	25,431	23,919
Wire Rods	5,396	5,303	5,248	5,367	4,096	3,729	4,257	4,562	4,435	4,341
Hot Rolled Strip (2)	0	0	0	0	0	0	0	0	0	0
Plates	12,160	10,364	10,762	11,232	10,504	9,596	8,558	9,828	9,826	8,065
Sheet and Coil:										
Hot Rolled Sheet & Coil	10,367	10,464	11,675	11,111	8,829	8,565	9,290	9,174	8,776	8,068
Cold Rolled Sheet & Coil	12,479	11,769	12,393	12,648	11,470	10,962	11,488	11,698	11,549	11,086
Electrical Sheet	1,040	1,136	1,220	1,025	947	1,021	1,181	1,301	1,265	1,301
Galvanised Sheet	5,699	5,664	6,519	6,562	5,940	6,205	6,810	7,709	8,139	8,655
Other Coated Sheet	901	972	1,119	1,168	1,149	1,186	1,509	1,824	1,875	1,863
Total	30,486	30,005	32,926	32,514	28,335	27,939	30,278	31,706	31,604	30,973
Tinplate & Black Plate	1,891	1,782	1,865	1,886	1,673	1,626	1,608	1,619	1,577	1,525
Wheels & Axles (rolled & forged)	103	83	97	102	78	65	96	69	54	43
Steel Tubes and Fittings	8,013	8,561	9,516	9,582	9,563	8,628	7,446	8,281	8,273	7,858
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip (3)	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	79,068	78,673	87,651	87,306	78,425	76,311	76,711	81,293	82,034	77,509
Special Steel Grades (all products)	10,279	11,665	12,483	12,915	13,546	13,976	13,430	15,456	16,421	15,094
TOTAL STEEL PRODUCTS	89,347	90,338	100,134	100,221	91,971	90,287	90,141	96,749	98,455	92,603

(1) Re-inforcing Bars included with Bars & Light Shapes.
(2) Hot Rolled Strip included with Hot Rolled Sheet & Coil.
(3) Cold Rolled Strip included with Cold Rolled Sheet & Coil.

LUXEMBOURG

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	337	750	961	1,005	1,191	1,231	898	908	1,135	671
Railway Track Material	181	170	199	200	200	169	106	124	137	140
Structurals and Bar Mill Products:										
Heavy Structurals	930	958	928	1,038	1,050	931	825	832	850	902
Bars & Light Shapes	410	461	452	423	287	391	316	353	371	347
Re-inforcing Bars	378	401	457	434	366	319	352	399	423	325
Total	1,718	1,820	1,837	1,895	1,703	1,641	1,493	1,584	1,644	1,574
Wire Rods	326	289	325	348	311	268	290	325	304	327
Hot Rolled Strip	781	715	698	727	574	464	465	338	365	299
Plates	195	161	186	186	208	180	179	1	0	0
Sheet and Coil:										
Hot Rolled Sheet & Coil	0	0	0	0	0	0	0	264	251	195
Cold Rolled Sheet & Coil	223	220	220	203	185	166	154	150	183	0
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	60	50	56	61	65	72	67	66	65	65
Other Coated Sheet	0	0	0	0	0	0	43	183	196	232
Total	283	270	276	264	250	238	264	663	695	492
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	27	33
Cold Drawn Bars	0	0	0	0	0	0	0	0	0	0
TOTAL CARBON STEELS	3,821	4,175	4,482	4,625	4,437	4,191	3,695	3,943	4,307	3,536
Special Steel Grades (all products)	148	192	179	147	51	51	51	44	37	52
TOTAL STEEL PRODUCTS	3,969	4,367	4,661	4,772	4,488	4,242	3,746	3,987	4,344	3,588

NETHERLANDS

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	14	42	18	0	0	0	0	0	0	0
Ingots & Semis for sale	828	1,036	1,235	1,281	1,408	855	1,090	1,706	1,701	1,780
Railway Track Material	0	0	0	0	0	0	0	0	0	0
Structurals and Bar Mill Products:										
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	292	302	316	253	234	180	215	226	262	258
Total	292	302	316	253	234	180	215	226	262	258
Wire Rods	302	313	337	362	302	269	222	234	228	245
Hot Rolled Strip	171	222	288	232	237	203	230	230	255	257
Plates	339	318	334	309	303	248	214	280	256	237
Sheet and Coil:										
Hot Rolled Sheet & Coil	650	670	701	469	638	641	591	708	703	593
Cold Rolled Sheet & Coil	1,189	1,364	1,263	1,065	1,090	967	966	981	932	945
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	1,839	2,034	1,964	1,534	1,728	1,608	1,557	1,689	1,635	1,538
Tinplate & Black Plate	464	462	498	504	513	516	525	566	533	484
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	4,249	4,729	4,990	4,475	4,725	3,879	4,053	4,931	4,870	4,799
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	4,249	4,729	4,990	4,475	4,725	3,879	4,053	4,931	4,870	4,799

Production, not deliveries.

PORTUGAL

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	1	15	9	5	2	2	13	3	0	9
Railway Track Material	0	0	1	3	3	8	3	0	0	3
Structurals and Bar Mill Products:										
Heavy Structurals	16	20	16	17	25	27	16	19	27	23
Bars & Light Shapes	72	86	81	91	91	103	74	85	91	86
Re-inforcing Bars	294	320	334	374	382	399	331	312	262	316
Total	382	426	431	482	498	529	421	416	380	425
Wire Rods	70	83	88	95	90	86	126	145	207	166
Hot Rolled Strip (1)	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	71	77	62	80	61	58	54	56	29	20
Electrical Sheet	0	0	0	0	0	0	0	0	0	0
Galvanised Sheet	34	38	42	38	36	36	36	62	88	68
Other Coated Sheet	0	0	0	0	0	0	0	0	0	0
Total	105	115	104	118	97	94	90	118	117	88
Tinplate & Black Plate	71	62	61	70	54	65	62	69	56	48
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	629	701	694	773	744	784	715	751	760	739
Special Steel Grades (all products)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	629	701	694	773	744	784	715	751	760	739

(1) Included in Hot Rolled Sheet and Coil.

SPAIN

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	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
Structurals and Bar Mill Products:										
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
Sheet and Coil:										
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
TOTAL CARBON STEELS	9,367	9,267	10,123	10,145	10,418	10,819	10,442	10,911	12,206	12,648
Special Steel Grades (all products) (1)	0	0	0	0	0	0	0	0	0	0
TOTAL STEEL PRODUCTS	9,367	9,267	10,123	10,145	10,418	10,819	10,442	10,911	12,206	12,648

(1) Included above.

UNITED KINGDOM

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	6	3	2	11	1	0	0	0	2
Ingots & Semis for sale	590	500	630	388	379	497	615	483	557	1,071
Railway Track Material	252	240	259	161	227	221	261	232	216	175
Structurals and Bar Mill Products:										
Heavy Structurals (1)	1,714	1,676	1,831	1,211	1,777	1,566	1,538	1,423	1,643	1,703
Bars & Light Shapes	1,619	1,650	1,503	1,102	956	809	794	803	811	751
Re-inforcing Bars	939	1,041	1,102	781	807	723	824	811	936	903
Total	4,272	4,367	4,436	3,094	3,540	3,098	3,156	3,037	3,390	3,357
Wire Rods	1,252	1,278	1,452	839	958	795	857	956	948	934
Hot Rolled Strip	395	351	345	174	167	171	179	215	209	189
Plates	2,036	2,025	2,220	1,237	1,582	1,490	2,368	1,480	1,518	1,373
Sheet and Coil: (2)										
Hot Rolled Sheet & Coil	198	202	223	151	249	171	2,002	2,354	2,372	2,457
Cold Rolled Sheet & Coil	1,583	1,533	1,435	617	1,109	980				
Electrical Sheet	239	227	198	78	107	120				
Galvanised Sheet	347	403	513	381	595	563				
Other Coated Sheet	251	281	353	99	141	183				
Total	2,618	2,646	2,722	1,326	2,201	2,017	2,002	2,354	2,372	2,457
Tinplate & Black Plate	1,166	1,110	1,152	624	862	910	685	967	911	940
Wheels & Axles (rolled & forged)	47	46	48	43	47	39	24	12	0	0
Steel Tubes and Fittings	1,133	1,193	1,200	820	1,004	1,085	791	1,222	1,153	1,088
Drawn Wire	0	0	0	0	0	0	0	0	0	0
Cold Rolled Strip	430	422	405	291	285	278	210	287	289	286
Cold Drawn Bars	478	449	423	304	288	257	255	304	280	271
TOTAL CARBON STEELS	14,669	14,633	15,295	9,303	11,551	10,859	11,403	11,549	11,843	12,143
Special Steel Grades (all products)	1,153	1,196	1,343	898	971	966	894	969	1,066	952
TOTAL STEEL PRODUCTS	15,822	15,829	16,638	10,201	12,522	11,825	12,297	12,518	12,909	13,095

(1) Includes Heavy Bars.
(2) From 1983, no further bravailable.

UNITED STATES

TOTAL DELIVERIES OF STEEL PRODUCTS

(thousand metric tons)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CARBON STEEL GRADES:										
Semis for Seamless Tubes	0	0	0	0	0	0	0	0	0	0
Ingots & Semis for sale	1,059	1,298	1,391	1,676	1,533	473	480	743	828	843
Railway Track Material	1,388	1,194	1,438	1,269	1,075	595	683	974	691	498
Structurals and Bar Mill Products:										
Heavy Structurals	3,494	3,945	4,309	3,993	3,810	2,661	2,663	3,150	3,780	3,811
Bars & Light Shapes	6,391	6,685	6,607	4,476	4,796	3,083	4,275	4,702	4,408	4,638
Re-inforcing Bars	3,785	4,219	4,745	4,184	3,866	3,139	3,700	3,885	3,962	4,037
Total	13,670	14,849	15,661	12,653	12,472	8,883	10,638	11,737	12,150	12,486
Wire Rods	1,576	2,232	2,491	2,359	2,679	2,096	2,526	2,709	2,642	3,106
Hot Rolled Strip	900	829	772	526	512	391	488	498	467	423
Plates	5,315	5,929	6,123	5,618	5,201	2,746	2,525	2,863	2,781	2,204
Sheet and Coil:										
Hot Rolled Sheet & Coil	12,371	12,703	13,044	9,783	10,833	7,327	9,488	10,781	10,477	9,726
Cold Rolled Sheet & Coil	15,553	15,512	14,955	11,470	12,375	9,521	11,690	11,660	11,555	11,159
Electrical Sheet	79	91	102	103	74	31	48	43	21	24
Galvanised Sheet	5,129	5,773	5,670	4,650	5,218	4,599	5,513	5,853	6,537	7,032
Other Coated Sheet	837	897	877	650	736	624	851	1,038	1,024	1,044
Total	33,969	34,976	34,648	26,656	29,236	22,102	27,590	29,375	29,614	28,985
Tinplate & Black Plate	5,790	5,490	5,679	5,138	4,434	3,889	3,878	3,787	3,570	3,636
Wheels & Axles (rolled & forged)	299	315	352	314	187	95	64	85	94	74
Steel Tubes and Fittings	5,519	5,892	5,948	6,528	7,029	3,459	2,482	3,292	3,079	2,115
Drawn Wire (1)	2,131	2,211	2,152	1,558	1,481	1,177	1,203	1,078	1,020	955
Cold Rolled Strip	788	831	802	599	683	494	604	654	570	613
Cold Drawn Bars	1,321	1,522	1,634	1,128	1,168	725	841	1,029	889	899
TOTAL CARBON STEELS	73,725	77,568	79,091	66,022	67,690	47,125	54,002	58,824	58,395	56,837
Special Steel Grades (all products)	8,962	10,573	11,145	9,445	10,563	6,720	6,643	8,062	8,141	7,074
TOTAL STEEL PRODUCTS	82,687	88,141	90,236	75,467	78,253	53,845	60,645	66,886	66,536	63,911

(1) Includes Wire Products.

TABLE 7

EXPORTS OF SEMI-FINISHED & FINISHED STEEL PRODUCTS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	12,722	12,092	13,277	14,305	13,671	12,638	9,483	11,257	12,586	12,634	11,764
Denmark	332	470	547	676	646	586	475	799	640	543	577
France	8,547	10,135	10,921	11,073	11,310	11,416	9,393	9,529	11,187	11,408	10,949
FR of Germany	15,416	15,776	18,901	19,630	19,446	19,480	17,406	16,814	19,008	20,810	18,701
Greece	354	224	461	482	522	377	361	488	716	708	719
Ireland	33	31	58	26	37	36	56	115	144	187	191
Italy	6,063	6,754	8,280	6,934	6,816	8,285	7,268	7,226	7,688	8,048	7,298
Netherlands	4,423	4,146	4,558	5,017	4,611	4,970	4,061	4,284	5,150	5,191	5,211
Portugal	71	28	33	100	71	20	32	167	231	327	243
Spain	2,443	2,678	4,106	4,234	4,533	5,021	5,127	5,706	6,594	7,792	5,206
United Kingdom	3,672	4,399	4,376	4,551	2,753	3,994	3,561	4,116	4,162	4,929	5,326
EC Total	54,076	56,733	65,518	67,028	64,416	66,823	57,223	60,501	68,106	72,577	66,185
Austria	2,020	2,003	2,219	2,519	2,390	2,710	2,462	2,713	3,201	3,200	2,797
Finland	539	959	1,187	1,161	954	1,116	948	1,162	1,243	1,375	1,352
Norway	628	484	591	735	653	669	574	705	733	755	570
Sweden	1,684	1,891	2,230	2,373	2,129	2,013	2,241	2,400	2,828	3,093	2,873
Switzerland	183	214	472	594	568	566	594	894	930	911	907
Turkey	24	10	20	6	14	125	174	1,056	1,393	2,720	2,644
Yugoslavia	472	285	336	333	252	264	398	570	897	1,153	912
Other Western Europe	5,550	5,846	7,055	7,721	6,960	7,463	7,391	9,500	11,225	13,207	12,055
Total Western Europe	59,626	62,579	72,573	74,749	71,376	74,286	64,614	70,001	79,331	85,784	78,240
Canada	1,816	2,142	2,763	2,680	3,534	3,575	3,193	2,976	3,459	3,586	3,435
United States	2,517	1,906	2,300	2,650	3,763	2,682	1,696	1,097	901	867	856
Japan	36,009	33,400	30,856	30,659	29,693	28,456	28,641	30,875	31,929	31,527	28,707
Australia	2,361	2,483	2,571	1,710	1,555	1,549	1,313	1,294	900	1,400	1,203
New Zealand	45	45	45	45	125	45	87	120	160	160	206
South Africa	1,085	2,117	2,215	2,214	1,693	1,630	1,985	1,739	1,708	2,899	3,164
TOTAL INDUSTRIAL CTS.	103,459	104,672	113,323	114,707	111,739	112,223	101,529	108,102	118,388	126,223	115,811
Argentina	337	242	741	490	286	590	752	673	542	1,111	1,176
Brazil	264	368	934	1,478	1,506	1,850	2,386	5,133	6,441	7,143	6,162
Chile	50	32	78	32	9	5	163	145	99	168	195
Colombia	3	0	6	5	9	4	0	0	0	0	0
Costa Rica	20	26	19	17	25	17	7	0	8	9	10 E
El Salvador	8	7	3	31	10	2	0	0	0	0	0
Guatemala	4	10	13	13	16	19	19	16	11	9	10 E
Honduras	1	2	0	3	3	1	2	1	1	0	0
Mexico	145	240	367	252	67	42	293	1,005	887	452	942
Peru	1	4	8	25	6	0	8	15	2	19	4
Trinidad and Tobago	0	0	0	0	0	0	95	136	110	86	190 E
Venezuela	1	41	65	180	241	388	293	852	801	1,074	800
Others	4	15	13	11	10	5	2	5	2	2	4
Total Latin America	838	987	2,247	2,537	2,188	2,923	4,020	7,981	8,904	10,073	9,493

TABLE 7
(continued)

EXPORTS OF SEMI-FINISHED & FINISHED STEEL PRODUCTS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Egypt	24	7	56	59	17	31	14	33	11	10	10 E
Zimbabwe	106	135	536	467	534	319	353	413	288	413	336
Total Africa	130	142	592	526	551	350	367	446	299	423	346
Israel	0	0	0	15	61	25	4	2	3	3	3 E
Jordan	0	0	0	6	5	5	7	2	4	5	5 E
Kuwait	177	178	62	79	70	210	210	150	150	150	150 E
Qatar	0	0	70	330	440	450	393	395	443	450	420 E
Total Middle East	177	178	132	430	576	690	614	549	600	608	578
Hong Kong	14	19	39	66	112	115	125	307	59	50	50 E
India	1,420	1,114	298	61	49	0	11	25	154	15	10 E
Indonesia	0	0	6	115	24	16	2	0	40	93	100 E
Republic of Korea	1,418	1,331	1,631	3,144	4,535	4,772	5,634	5,728	5,913	5,615	5,892
Malaysia	11	14	70	90	89	19	19	10	0	0	0
Philippines	18	17	53	85	123	10	1	3	0	3	1
Singapore	177	372	494	356	414	412	412	317	408	371	380
Taiwan (ROC)	276	312	882	1,514	769	1,193	1,848	2,090	1,946	1,878	1,565
Thailand	12	9	29	39	78	82	52	37	70	149	150 E
Total Asia	3,346	3,188	3,502	5,470	6,193	6,619	8,104	8,517	8,590	8,174	8,148
TOTAL DEVELOPING CTS.	4,491	4,495	6,473	8,963	9,508	10,582	13,105	17,493	18,393	19,278	18,565
TOTAL WESTERN WORLD	107,950	109,167	119,796	123,670	121,247	122,805	114,634	125,595	136,781	145,501	134,376
Bulgaria	1,114	1,049	1,079	922	1,050	1,073	933	896	1,040	911	962
Czechoslovakia	3,400	3,450	3,596	3,527	3,473	3,407	3,299	3,518	3,798	3,915	4,004
German Dem Rep	1,709	1,834	1,856	2,187	2,618	3,139	2,893	4,245	4,155	4,150	4,290 E
Hungary	1,255	1,295	1,139	1,417	1,220	1,112	1,021	1,135	1,431	1,310	1,292
Poland	1,579	1,794	1,923	1,988	1,936	1,667	1,639	2,336	2,301	2,137	2,234
Romania	2,100	1,640	2,239	1,948	1,984	2,083	1,901	2,175	2,779	2,932	3,060
USSR (E)	7,503	7,387	7,368	7,407	7,184	7,089	7,575	5,320	5,473	5,500	5,500 E
Total Eastern Europe	18,660	18,449	19,200	19,396	19,465	19,570	19,261	19,625	20,977	20,855	21,342
China	339	222	332	368	398	607	701	492	268	155	150 E
TOTAL CPE'S	18,999	18,671	19,532	19,764	19,863	20,177	19,962	20,117	21,245	21,010	21,492
WORLD TOTAL	126,949	127,838	139,328	143,434	141,110	142,982	134,596	145,712	158,026	166,511	155,868

TABLE 8

IMPORTS OF SEMI-FINISHED & FINISHED STEEL PRODUCTS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	3,347	3,164	3,046	3,086	3,056	2,777	2,771	3,256	3,536	3,480	3,358
Denmark	1,487	1,421	1,264	1,376	1,411	1,442	1,722	1,447	1,561	1,695	1,629
France	8,844	8,150	8,421	8,943	8,822	8,233	8,371	7,576	8,173	7,844	7,996
FR of Germany	11,250	11,256	12,159	12,876	11,853	11,790	10,550	11,954	11,666	12,247	12,850
Greece	715	734	946	1,206	1,171	1,095	982	1,447	1,620	1,196	1,266
Ireland	343	355	408	515	359	455	427	334	373	365	333
Italy	5,209	5,203	4,422	6,202	6,991	4,917	4,946	4,785	5,932	6,204	6,968
Netherlands	3,954	3,600	3,756	3,642	3,889	3,469	3,414	3,250	3,717	4,063	4,166
Portugal	589	768	761	421	640	624	979	501	642	695	672
Spain	2,704	1,096	764	1,074	1,762	1,138	1,484	1,081	1,133	1,462	2,605
United Kingdom	4,139	3,773	3,746	3,864	4,717	3,403	3,932	3,430	3,651	3,874	4,249
EC Total	42,581	39,520	39,693	43,205	44,671	39,343	39,578	39,061	42,004	43,125	46,092
Austria	661	821	990	796	933	905	864	895	996	1,041	1,211
Finland	652	447	426	495	618	622	661	624	616	704	687
Norway	1,260	1,414	1,079	1,035	1,340	1,135	1,251	1,039	1,140	1,163	1,184
Sweden	2,282	1,730	1,787	2,012	1,981	1,724	1,915	1,820	1,959	1,754	1,841
Switzerland	1,334	1,534	1,533	1,733	1,950	1,795	1,572	1,821	2,026	2,035	2,087
Turkey	1,479	2,189	1,099	543	708	874	905	1,415	2,205	3,070	2,155
Yugoslavia	1,579	1,961	1,989	2,022	1,971	2,040	1,552	1,526	1,560	1,687	1,791
Others	102	146	149	194	146	132	160	149	165	167	225
Other Western Europe	9,349	10,242	9,052	8,830	9,647	9,227	8,880	9,289	10,667	11,621	11,181
Total Western Europe	51,930	49,762	48,745	52,035	54,318	48,570	48,458	48,350	52,671	54,746	57,273
Canada	1,308	1,454	1,637	2,146	1,448	3,012	1,198	1,287	2,137	2,384	2,154
United States	12,597	17,112	18,741	15,561	13,767	17,744	14,853	15,111	23,284	21,613	18,384
Japan	159	222	361	1,468	1,165	1,557	2,011	2,744	4,003	2,903	3,308
Australia	1,400	1,079	553	418	523	800	900	600	700	700	600
New Zealand	548	564	457	643	439	468	544	559	600	550	484
South Africa	261	121	138	94	124	161	168	179	243	125	91
TOTAL INDUSTRIAL CTS.	68,203	70,314	70,632	72,365	71,784	72,312	68,132	68,830	83,638	83,021	82,294

TABLE 8
(continued)

IMPORTS OF SEMI-FINISHED & FINISHED STEEL PRODUCTS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Argentina	1,035	990	524	698	1,035	653	609	648	898	465	561
Bolivia	60	83	90	82	49	112	55	29	51	33	35
Brazil	1,059	927	733	595	664	898	421	84	100	102	546
Chile	49	30	57	32	90	67	41	25	50	76	138
Colombia	259	274	382	468	462	490	565	394	530	604	600 E
Costa Rica	130	160	155	149	143	95	60	97	133	138	150 E
Dominican Republic	95	110	92	79	85	64	129	67	84	52	50 E
Ecuador	205	291	241	356	284	290	272	121	241	344	300 E
El Salvador	61	97	82	65	48	46	37	43	55	45	50 E
Guatemala	121	140	174	154	170	136	105	96	95	101	100 E
Honduras	55	68	61	86	67	49	34	51	37	58	55
Mexico	470	489	1,262	1,504	2,623	3,052	1,217	429	701	707	543
Peru	118	121	83	55	144	330	158	49	116	135	59
Venezuela	1,579	2,514	1,966	1,241	918	854	932	259	211	166	232
Others	185	249	296	221	289	231	424	398	350	350	350 E
Total Latin America	5,481	6,543	6,198	5,785	7,071	7,367	5,059	2,790	3,652	3,376	3,769
Algeria	812	1,181	1,518	1,238	1,429	1,464	1,327	1,026	1,028	905	899
Egypt	460	400	428	700	987	966	1,123	1,353	1,600	1,900	1,127
Kenya	201	230	277	180	245	181	133	158	188	215	149
Libyan Arab Republic	601	407	409	563	865	1,044	375	551	309	488	435
Morocco	518	626	497	532	509	485	629	536	683	642	453
Nigeria	1,464	2,681	3,196	3,346	3,814	3,869	3,342	1,527	1,219	2,148	1,489
Tanzania	80	71	74	43	68	32	66	70	58	56	42
Tunisia	69	148	50	71	48	99	387	319	312	257	226
Zaire	41	60	39	47	60	51	52	50	73	24	19
Zambia	32	42	24	38	23	12	9	8	11	23	24
Zimbabwe	6	99	62	56	20	50	126	102	62	109	113
Other Africa	766	1,063	797	845	900	950	500	750	1,000	1,000	800 E
Total Africa	5,050	7,008	7,371	7,659	8,968	9,203	8,069	6,450	6,543	7,767	5,776
Bahrain	82	80	30	33	47	47	89	117	105	70	51
Iran	3,752	3,265	4,564	1,707	2,515	1,887	3,114	4,392	3,250	3,250	2,250 E
Iraq	807	420	855	2,192	1,593	1,208	955	1,000	750	852	520
Israel	429	452	399	565	223	394	427	346	596	595	600
Jordan	201	227	181	395	262	362	324	377	308	207	142
Kuwait	693	689	580	726	645	805	875	650	645	378	432
Lebanon	69	183	289	265	285	287	315	340	443	320	292
Oman	50	60	52	81	100	194	261	256	387	365	179
Qatar	108	54	63	70	58	101	108	130	70	104	98
Saudi Arabia	1,483	1,461	1,887	3,310	2,921	3,825	5,483	4,900	3,501	3,450	1,487
Syrian Arab Republic	712	582	584	839	918	434	768	404	737	980	181
Other	1,200	950	600	1,200	1,500	1,700	1,500	2,500	2,500	2,500	1,500 E
Total Middle East	9,586	8,423	10,084	11,383	11,067	11,244	14,219	15,412	13,292	13,071	7,732

TABLE 8
(continued)

IMPORTS OF SEMI-FINISHED & FINISHED STEEL PRODUCTS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Bangladesh	90	200	181	223	232	288	122	142	250	287	278
Hong Kong	871	1,023	1,404	1,460	1,645	1,709	1,830	1,814	2,070	2,403	2,000 E
India	283	573	1,109	1,882	1,817	2,706	2,463	1,727	1,800	1,500	2,000 E
Indonesia	1,113	1,155	1,318	1,421	2,055	2,091	1,969	1,586	729	931	1,250 E
Republic of Korea	1,710	2,214	2,938	2,734	2,093	2,086	1,317	2,119	2,890	2,588	2,850
Malaysia	601	644	795	978	1,352	1,281	1,838	1,974	1,750	1,500	1,200 E
Pakistan	368	531	454	600	654	551	1,110	1,115	768	775	700 E
Philippines	815	1,012	992	1,180	904	784	1,193	1,218	520	346	549
Singapore	1,016	1,033	1,237	1,318	1,605	1,941	2,258	2,405	2,040	1,695	1,710
Taiwan (ROC)	1,330	1,618	1,846	2,957	2,455	2,266	1,674	1,358	1,523	1,258	1,910
Thailand	897	1,053	1,211	1,352	1,250	1,266	1,681	2,081	1,636	2,093	1,500 E
Other	950	750	900	600	950	1,850	1,500	2,000	3,250	4,100	2,500 E
Total Asia	10,044	11,806	14,385	16,705	17,012	18,819	18,955	19,539	19,226	19,476	18,447
TOTAL DEVELOPING CTS.	30,161	33,780	38,038	41,532	44,118	46,633	46,302	44,191	42,713	43,690	35,724
TOTAL WESTERN WORLD	98,364	104,094	108,670	113,897	115,902	118,945	114,434	113,021	126,351	126,711	118,018
Albania	86	114	88	97	143	80	121	120	120	120	120 E
Bulgaria	849	964	1,131	1,160	1,335	1,477	1,378	1,262	1,123	1,029	1,003
Czechoslovakia	894	521	657	624	356	356	366	530	751	835	918
German Dem Rep	4,378	4,455	4,530	4,541	4,611	4,736	5,035	5,744	5,097	5,169	5,080
Hungary	1,390	1,326	1,312	1,255	1,079	1,115	1,022	1,096	1,069	1,133	1,111
Poland	3,715	2,414	2,124	1,974	1,720	1,396	1,330	1,240	1,295	1,363	1,335
Romania	1,985	1,563	2,133	1,677	1,277	977	915	978	683	840	782
USSR (E)	9,532	7,326	8,932	9,409	9,064	8,921	10,083	9,055	9,285	9,300	9,000 E
Total Eastern Europe	22,829	18,683	20,907	20,737	19,585	19,058	20,250	20,025	19,423	19,789	19,349
Cuba	531	500	475	500	500	550	450	475	540	590	590 E
China	4,931	5,256	8,638	8,473	5,006	3,544	3,772	8,467	10,074	19,235	18,470
Other Asian CPE's	237	274	440	450	450	450	450	500	500	500	500 E
TOTAL CPE'S	28,528	24,713	30,460	30,160	25,541	23,602	24,922	29,467	30,537	40,114	38,909
WORLD TOTAL	126,892	128,807	139,130	144,057	141,443	142,547	139,356	142,488	156,888	166,825	156,927

E - estimated

Table 9 WORLD STEEL TRADE AS A PERCENTAGE OF WORLD STEEL PRODUCTION

(million metric tons)

Crude Steel Equivalent

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	643.3	23.1
1976	165.0	675.4	24.4
1977	166.2	675.5	24.6
1978	181.1	716.8	25.3
1979	186.3	746.9	24.9
1980	183.4	716.4	25.6
1981	185.9	707.8	26.3
1982	175.0	645.6	27.1
1983	189.4	663.9	28.5
1984	205.4	710.5	28.9
1985	216.5	720.1	30.1
1986	202.6	715.4	28.3

Finished Steel

Year	Exports	Production	Exports Percent
1975	114.7	496.3	23.1
1976	126.9	524.9	24.2
1977	127.8	533.6	24.0
1978	139.3	567.3	24.6
1979	143.4	596.4	24.1
1980	141.1	578.7	24.4
1981	143.0	567.9	25.2
1982	134.6	532.0	25.3
1983	145.7	547.8	26.6
1984	158.0	586.8	26.9
1985	166.5	600.5	27.7
1986	155.9	601.2	25.9

In the upper table, 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. However, the conversion of exports using a constant 1.3 makes no allowance for yield improvements, so leading to an increasing overstatement of the export share. In the lower table, exports and production are both expressed in finished product weight. The export share is thus more realistic, and is comparable to the ingot-equivalent based shares shown in last year's yearbook.

Table 10

APPARENT CONSUMPTION OF CRUDE STEEL

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	4,698	4,279	4,528	4,323	3,676	3,887	5,204	3,646	4,353	3,711	3,568
Denmark	2,118	1,822	1,712	1,629	1,615	1,565	1,946	1,213	1,568	1,803	1,796
France	23,601	19,616	19,740	20,728	20,159	17,461	17,197	15,298	15,492	14,748	14,541
FR of Germany	37,253	33,438	33,035	37,821	34,702	32,471	27,838	30,116	30,977	30,725	30,508
Greece	1,083	1,236	1,301	1,754	1,714	1,842	1,740	2,115	2,073	1,619	1,721
Ireland	461	468	524	708	421	496	471	383	419	400	365
Italy	22,404	21,446	19,607	23,370	26,710	20,756	21,271	18,976	22,039	21,791	22,508
Netherlands	4,568	4,213	4,547	4,018	4,343	3,590	3,556	3,212	3,994	4,144	4,019
Portugal	1,117	1,435	1,492	1,041	1,347	1,307	1,638	1,074	1,200	1,115	1,227
Spain	11,308	9,201	7,204	8,356	9,257	8,175	8,766	7,443	6,962	6,710	8,925
United Kingdom	21,250	19,970	20,020	20,450	15,170	15,160	14,770	14,280	14,510	14,010	14,350
EC Total	129,862	117,125	113,711	124,197	119,114	106,710	104,398	97,756	103,588	100,777	103,528
Austria	2,791	2,651	2,841	2,849	2,885	2,541	2,428	2,362	2,390	2,248	2,523
Finland	1,779	1,615	1,476	1,715	2,131	1,875	2,093	1,815	1,939	1,768	1,844
Norway	1,685	1,879	1,414	1,271	1,735	1,437	1,613	1,294	1,401	1,427	1,562
Sweden	5,880	3,769	3,783	4,293	4,060	3,434	3,526	3,548	3,713	3,288	3,537
Switzerland	1,989	2,297	2,095	2,289	2,610	2,415	1,999	1,926	2,258	2,290	2,431
Turkey	3,864	4,735	3,575	3,094	3,427	3,376	4,049	4,254	5,267	5,272	5,366
Yugoslavia	4,155	5,266	5,483	5,599	5,734	6,123	5,225	5,274	5,026	5,115	5,565
Others	127	179	182	236	176	157	187	173	190	193	259
Other Western Europe	22,269	22,391	20,850	21,346	22,759	21,358	21,120	20,645	22,186	21,601	23,087
Total Western Europe	152,131	139,517	134,561	145,543	141,873	128,068	125,518	118,402	125,774	122,377	126,615
Canada	12,643	12,761	13,485	15,383	13,306	14,118	9,418	10,771	13,089	13,185	12,539
United States	128,987	133,043	145,132	139,990	114,015	128,523	83,934	94,011	111,152	105,095	94,872
Japan	65,220	63,205	66,652	78,163	79,007	71,136	69,504	65,614	74,367	73,377	69,941
Australia	6,545	5,513	4,975	6,455	6,271	6,683	5,850	4,811	6,054	5,740	5,925
New Zealand	853	864	735	965	612	732	794	751	794	680	607
South Africa	6,082	4,860	5,393	6,339	7,197	7,264	6,146	5,345	6,013	5,267	5,302
TOTAL INDUSTRIAL CTS	372,460	359,763	370,932	392,839	362,281	356,523	301,166	299,705	337,242	325,721	315,802

Table 10
(continued)

APPARENT CONSUMPTION OF CRUDE STEEL

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Argentina	3,276	3,612	2,519	3,448	3,578	2,601	2,743	2,912	3,074	2,189	2,517
Bolivia	75	103	112	101	60	136	66	34	60	39	41
Brazil	10,265	11,958	11,955	12,798	14,275	12,063	10,612	8,580	10,698	11,954	14,477
Chile	479	545	570	657	809	724	334	462	628	570	632
Colombia	678	672	856	925	973	990	1,096	948	1,130	1,237	1,330
Costa Rica	138	167	169	163	144	94	63	115	147	151	163
Dominican Republic	119	137	114	97	104	77	154	93	163	121	123
Ecuador	257	363	299	447	363	379	352	166	301	421	369
El Salvador	67	112	98	42	46	53	51	66	76	65	70
Guatemala	172	187	225	199	213	167	128	123	126	118	130
Honduras	68	82	76	102	78	58	38	59	42	87	84
Mexico	5,711	5,909	7,881	8,665	10,316	11,309	8,182	6,235	7,261	7,564	6,694
Peru	493	525	467	416	615	764	451	339	471	533	550
Trinidad & Tobago	0	0	0	0	0	45	106	49	43	63	110
Venezuela	2,988	4,069	3,281	2,792	2,797	2,576	3,020	1,642	2,089	2,014	2,746
Others	256	373	422	373	474	366	530	526	448	444	435
Total Latin America	25,042	28,815	29,041	31,224	34,845	32,404	27,925	22,349	26,759	27,567	30,471
Algeria	1,262	1,820	2,184	2,059	2,228	2,460	2,593	2,226	2,091	1,977	1,969
Egypt	1,266	1,330	1,307	1,758	2,414	2,357	2,603	2,766	3,216	3,407	2,452
Kenya	302	337	393	272	349	269	209	237	271	302	223
Libyan Arab Republic	755	507	507	694	1,055	1,264	447	652	363	571	506
Morocco	651	780	616	656	621	587	750	634	803	751	527
Nigeria	1,854	3,358	3,976	4,140	4,672	4,707	4,076	1,988	1,621	2,834	1,932
Tanzania	100	89	92	53	83	39	79	83	68	66	49
Tunisia	190	341	222	264	237	293	569	540	536	461	445
Zaire	51	75	48	58	73	62	62	59	86	28	22
Zambia	40	52	30	47	28	15	11	9	13	27	28
Zimbabwe	607	689	190	233	178	365	267	279	157	375	415
Other Africa	972	1,335	998	1,057	1,118	1,170	616	912	1,201	1,195	955
Total Africa	8,050	10,713	10,564	11,291	13,055	13,588	12,281	10,386	10,427	11,993	9,523
Bahrain	103	100	37	41	57	57	106	138	124	82	59
Iran	5,262	5,896	6,957	3,534	4,268	3,485	4,914	6,396	5,023	5,003	3,817
Iraq	1,014	524	1,060	2,702	1,943	1,463	1,139	1,183	882	997	605
Israel	609	636	589	785	313	561	592	490	789	793	804
Jordan	287	318	249	515	348	467	413	479	393	271	194
Kuwait	648	637	642	798	701	720	793	591	582	267	328
Lebanon	87	228	358	327	348	348	376	402	521	374	340
Oman	63	75	64	100	122	235	311	303	455	427	208
Qatar	136	67	118	75	(5)	46	155	156	39	128	132
Saudi Arabia	1,863	1,822	2,339	4,081	3,563	4,632	6,539	6,072	4,960	5,143	2,830
Syrian Arab Republic	894	726	754	1,064	1,150	556	946	508	897	1,177	241
Other	1,537	1,200	744	1,584	1,935	2,174	1,924	3,092	3,076	3,060	1,880
Total Middle East	12,502	12,228	13,911	15,606	14,743	14,743	18,208	19,810	17,740	17,722	11,438

Table 10
(continued)

APPARENT CONSUMPTION OF CRUDE STEEL

(thousand metric tons)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Bangladesh	203	357	344	400	414	483	224	226	382	458	439
Hong Kong	1,196	1,372	1,812	1,838	1,990	2,050	2,154	1,903	2,485	2,873	2,388
India	7,886	9,306	11,153	12,493	11,812	14,298	14,185	12,450	12,689	13,867	14,784
Indonesia	1,537	1,690	1,851	1,915	2,837	3,013	2,846	2,676	1,810	2,181	2,838
Republic of Korea	3,970	5,700	7,010	7,500	6,100	7,480	7,630	8,620	10,120	10,910	11,600
Malaysia	931	979	1,102	1,302	1,751	1,738	2,379	2,673	2,408	2,305	2,146
Pakistan	812	1,019	839	1,137	1,128	1,017	1,674	1,519	1,153	1,157	1,064
Philippines	1,001	1,241	1,164	1,350	953	957	1,442	1,557	912	1,001	1,237
Singapore	1,257	1,039	1,202	1,479	1,793	2,114	2,561	2,775	2,282	1,914	1,937
Taiwan (ROC)	2,921	3,992	5,040	5,298	6,294	5,570	5,080	5,770	6,090	6,320	7,840
Thailand	1,432	1,666	1,883	2,147	1,974	1,839	2,430	2,901	2,417	2,907	2,135
Other	1,435	1,225	1,400	1,005	1,460	2,603	2,179	2,908	4,460	5,275	3,314
Total Asia	24,581	29,586	34,799	37,864	38,505	43,162	44,782	45,979	47,208	51,168	51,722
TOTAL DEVELOPING CTS	70,176	81,342	88,315	95,985	101,148	103,897	103,197	98,524	102,134	108,451	103,153
TOTAL WESTERN WORLD	442,635	441,105	459,248	488,823	463,428	460,420	404,363	398,228	439,377	434,172	418,955
Albania	110	146	113	124	183	102	154	153	152	152	152
Bulgaria	2,116	2,479	2,538	2,791	2,938	3,008	3,165	3,295	2,984	3,095	2,950
Czechoslovakia	11,439	11,251	11,476	11,049	10,883	11,314	11,196	11,174	10,920	11,085	11,157
German Dem Rep	10,159	10,204	10,394	10,029	9,836	9,487	9,871	9,108	8,745	9,104	8,932
Hungary	3,819	3,761	4,091	3,708	3,595	3,649	3,703	3,570	3,350	3,457	3,499
Poland	18,408	18,643	19,511	19,200	19,206	15,369	14,395	14,812	15,248	15,138	15,997
Romania	10,821	11,357	11,641	12,557	12,284	11,637	11,822	11,105	11,849	11,211	11,471
USSR (E)	147,406	146,577	153,436	151,644	150,330	150,849	150,343	157,263	159,080	159,480	165,122
Total Eastern Europe	204,278	204,419	213,199	211,102	209,254	205,415	204,648	210,479	212,328	212,722	219,281
Cuba	986	952	942	978	954	1,045	886	982	1,040	1,167	1,183
China	26,429	30,284	42,578	45,021	43,111	39,422	41,152	50,389	56,067	71,528	75,716
Other Asian CPE's	3,308	4,356	5,652	5,985	6,385	6,085	6,385	6,750	7,150	9,050	9,840
TOTAL CPE'S	235,001	240,011	262,371	263,086	259,705	251,967	253,072	268,599	276,585	294,467	306,020
WORLD TOTAL	677,636	681,116	721,618	751,909	723,133	712,387	657,435	666,828	715,962	728,639	724,975

Table 11

APPARENT CONSUMPTION PER HEAD

kilograms crude steel

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium-Luxembourg	407	425	407	313	319	460	300	354	274	252
Denmark	356	369	358	344	346	443	261	357	400	395
FR Germany	538	526	602	549	503	436	486	489	481	483
France	383	367	395	373	325	318	276	276	258	254
Greece	176	167	167	206	157	150	203	205	163	156
Ireland	150	134	219	126	171	161	128	139	126	114
Italy	368	332	400	463	345	356	320	367	362	381
Netherlands	322	355	308	328	272	259	237	292	305	300
Portugal	156	153	106	132	147	171	126	118	110	122
Spain	249	186	214	239	202	212	183	167	156	224
United Kingdom	357	359	368	246	267	254	249	255	248	252
Austria	348	382	379	358	301	281	263	257	235	283
Finland	326	279	335	444	427	447	379	403	358	375
Norway	405	372	347	445	372	421	324	365	366	400
Sweden	463	468	528	498	412	423	419	439	384	417
Switzerland	356	317	376	428	397	327	321	345	360	384
Turkey	112	81	69	76	74	86	90	105	100	99
Yugoslavia	239	246	250	255	223	230	230	217	221	240
Canada	550	575	635	538	553	371	448	525	524	493
United States	618	672	640	508	565	363	404	479	450	399
Japan	554	579	673	675	603	586	549	619	606	578
Australia	389	346	401	414	479	367	318	389	364	372
New Zealand	286	243	323	265	246	267	251	263	226	198
South Africa	182	198	227	203	228	186	149	164	135	131
Argentina	140	93	124	127	91	94	98	103	69	78
Brazil	107	106	111	117	97	82	62	77	84	101
Chile	52	53	63	73	64	29	40	55	47	51
Colombia	31	35	37	39	39	43	37	43	46	48
Mexico	93	121	129	151	162	113	82	94	97	84
Peru	37	29	25	36	45	26	18	25	28	28
Venezuela	299	236	196	190	199	195	95	119	109	150
Algeria	110	124	114	119	128	130	108	99	91	88
Egypt	34	32	43	57	54	58	60	68	70	49
Libyan Arab Republic	190	194	255	378	437	146	206	111	176	155
Morocco	44	33	36	30	31	37	33	41	38	26
Nigeria	46	55	56	62	61	51	24	19	33	22
Tunisia	45	37	43	36	46	90	84	82	68	63
Iran	170	200	98	116	92	129	164	125	123	92
Iraq	60	89	222	156	115	88	88	63	69	41
Israel	176	166	216	84	150	153	129	207	205	206
Kuwait	558	555	650	545	540	575	413	391	173	204
Lebanon	88	137	127	139	140	155	167	218	155	140
Saudi Arabia	226	288	481	404	506	695	622	485	484	252
India	15	17	19	18	21	20	17	17	18	19
Republic of Korea	182	180	189	141	188	156	181	225	234	254
Malaysia	78	89	101	135	131	178	196	172	160	143
Bulgaria	276	277	305	315	319	337	346	323	335	319
Czechoslovakia	748	756	720	729	735	724	719	700	709	717
German Dem Rep	591	605	591	583	561	569	550	536	572	560
Hungary	343	377	338	330	337	344	328	302	316	322
Poland	540	561	545	542	429	398	407	416	409	430
Romania	506	528	563	545	513	512	479	509	481	483
USSR	565	587	570	566	563	557	577	578	574	586
China	38	46	47	43	39	41	50	54	67	70

Table 12 APPARENT CONSUMPTION OF FINISHED STEEL

(thousand metric tons)

	1974	1975	1976	1977	1978	1979	1980
Belgium/Luxembourg	4,151	2,487	3,640	3,352	3,576	3,425	2,919
Denmark	1,746	1,374	1,752	1,525	1,446	1,382	1,402
France	19,429	15,065	18,731	15,716	15,916	16,772	16,627
FR of Germany	28,527	24,934	30,077	27,254	27,101	31,077	28,843
Greece	1,091	887	833	951	1,000	1,349	1,318
Ireland	411	272	355	360	403	544	324
Italy	19,033	14,678	18,206	17,609	16,177	19,435	22,340
Netherlands	4,116	3,400	3,514	3,241	3,498	3,090	3,376
Portugal	1,058	798	882	1,175	1,229	854	1,114
Spain	9,537	8,627	9,044	7,398	5,823	6,785	7,575
United Kingdom (D)	18,394	15,586	16,106	15,036	15,249	15,820	11,813
EC Total	107,494	88,109	103,140	93,618	91,418	100,535	97,649
Austria	2,684	1,780	2,252	2,173	2,338	2,374	2,418
Finland	1,568	1,572	1,550	1,424	1,310	1,524	1,898
Norway	1,837	1,514	1,333	1,487	1,118	1,003	1,365
Sweden (D)	4,028	3,650	3,655	2,755	2,704	2,976	2,991
Switzerland	2,001	1,143	1,570	1,825	1,664	1,821	2,097
Turkey	2,679	2,956	2,972	3,642	2,750	2,380	2,669
Yugoslavia	3,285	4,245	3,277	4,235	4,471	4,581	4,693
Others	128	58	102	146	149	194	146
Other Western Europe	18,209	16,917	16,710	17,686	16,504	16,853	18,277
Total Western Europe	125,703	105,026	119,850	111,304	107,921	117,387	115,926
Canada	11,843	10,357	9,928	10,089	10,740	12,245	10,694
United States (D)	107,850	80,193	91,134	97,821	105,165	103,817	85,936
Japan (D)	67,301	57,425	55,936	55,899	59,619	70,245	71,307
Australia	6,247	4,842	5,034	4,241	3,830	5,013	4,911
New Zealand	932	643	674	687	585	774	491
South Africa (D)	4,710	5,085	4,010	3,400	3,830	4,470	5,200
TOTAL INDUSTRIAL CTS.	324,587	263,572	286,567	283,441	291,690	313,951	294,464

(D) National source data, based on Deliveries rather than Production.
All other countries are calculated estimates - see explanatory notes in Appendix.

Table 12
(continued)

APPARENT CONSUMPTION OF FINISHED STEEL

(thousand metric tons)

	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	2,919	3,121	4,209	2,976	3,603	3,112	3,042
Denmark	1,402	1,406	1,751	1,092	1,416	1,629	1,623
France	16,627	14,639	14,583	13,082	13,312	12,946	12,949
FR of Germany	28,843	27,322	23,734	26,077	27,035	26,924	26,941
Greece	1,318	1,417	1,339	1,627	1,595	1,246	1,324
Ireland	324	448	426	346	379	361	330
Italy	22,340	17,384	18,039	16,341	19,128	19,069	19,856
Netherlands	3,376	2,864	2,884	2,627	3,280	3,406	3,323
Portugal	1,114	1,071	1,364	889	987	924	1,018
Spain	7,575	6,723	7,238	6,185	5,819	5,676	7,602
United Kingdom (D)	11,813	11,709	11,742	11,317	11,621	11,675	11,833
EC Total	97,649	88,105	87,308	82,558	88,175	86,968	89,841
Austria	2,418	2,168	2,120	2,095	2,125	2,011	2,262
Finland	1,898	1,674	1,873	1,625	1,738	1,583	1,653
Norway	1,365	1,137	1,304	1,059	1,175	1,205	1,321
Sweden (D)	2,991	2,775	2,692	2,688	2,820	2,634	2,717
Switzerland	2,097	1,947	1,620	1,569	1,848	1,883	2,007
Turkey	2,669	2,658	3,418	3,636	4,563	4,522	4,670
Yugoslavia	4,693	5,067	4,354	4,423	4,217	4,303	4,681
Others	146	132	160	149	165	167	225
Other Western Europe	18,277	17,558	17,542	17,244	18,650	18,308	19,536
Total Western Europe	115,926	105,663	104,851	99,802	106,825	105,275	109,376
Canada	10,694	11,472	7,661	8,828	10,745	10,917	10,420
United States (D)	85,936	94,867	68,430	74,345	87,868	85,166	79,537
Japan (D)	71,307	63,272	63,601	61,168	69,097	69,861	67,702
Australia	4,911	5,258	4,638	3,860	4,877	4,625	4,773
New Zealand	491	593	651	619	655	565	499
South Africa (D)	5,200	5,331	4,692	4,311	4,617	4,066	4,113
TOTAL INDUSTRIAL CTS.	294,464	286,456	254,524	252,933	284,684	280,475	276,420

Table 12
(continued)

APPARENT CONSUMPTION OF FINISHED STEEL

(thousand metric tons)

	1974	1975	1976	1977	1978	1979	1980
Argentina (D)	3,020	3,505	2,641	2,912	2,075	2,879	3,009
Bolivia	67	92	60	83	90	82	49
Brazil (D)	9,842	8,932	8,281	9,387	9,869	10,717	11,740
Chile	651	399	370	421	439	507	625
Colombia	534	530	530	528	676	735	776
Costa Rica	107	76	110	134	136	132	118
Dominican Republic	105	106	95	110	92	79	85
Ecuador	178	190	205	291	241	362	297
El Salvador	43	51	53	90	79	34	38
Guatemala	113	87	136	149	180	160	173
Honduras	30	29	54	66	61	83	64
Mexico	4,613	4,778	4,492	4,775	6,376	7,009	8,343
Peru	543	607	383	409	363	322	482
Trinidad & Tobago							
Venezuela (D)	1,930	2,155	2,299	3,130	2,823	3,024	2,335
Others	338	214	203	296	338	298	382
Total Latin America	22,115	21,751	19,913	22,781	23,838	26,422	28,516
Algeria	1,137	1,062	970	1,400	1,680	1,584	1,714
Egypt	806	1,219	974	1,023	1,005	1,353	1,857
Kenya	248	134	241	270	317	220	285
Libyan Arab Republic	615	593	601	407	409	563	865
Morocco	344	374	518	626	497	532	509
Nigeria	981	987	1,476	2,693	3,208	3,358	3,829
Tanzania	89	52	80	71	74	43	68
Tunisia	158	146	148	268	173	206	185
Zaire	151	75	41	60	39	47	60
Zambia	172	49	32	42	24	38	23
Zimbabwe	344	373	464	529	124	158	105
Other Africa	880	599	772	1,069	803	855	914
Total Africa	5,924	5,662	6,317	8,457	8,353	8,957	10,414
Bahrain	111	56	82	80	30	33	47
Iran	2,705	4,417	4,174	4,669	5,564	2,807	3,438
Iraq	1,425	1,485	807	420	855	2,192	1,593
Israel	849	528	483	507	471	632	250
Jordan	83	117	228	254	200	416	284
Kuwait	262	227	516	511	518	647	575
Lebanon	416	234	69	183	289	265	285
Oman	30	40	50	60	52	81	100
Qatar					91	45	10
Saudi Arabia	733	1,019	1,483	1,461	1,887	3,310	2,921
Syrian Arab Republic	479	328	712	582	607	862	941
Other	538	727	1,223	962	600	1,281	1,544
Total Middle East	7,631	9,178	9,827	9,689	11,164	12,571	11,989

Table 12
(continued)

APPARENT CONSUMPTION OF FINISHED STEEL

(thousand metric tons)

	1980	1981	1982	1983	1984	1985	1986
Argentina (D)	3,009	2,174	2,232	2,218	2,226	1,569	2,126
Bolivia	49	112	55	29	51	33	35
Brazil (D)	11,740	9,590	8,952	7,613	9,295	10,293	12,560
Chile	625	559	257	356	485	440	488
Colombia	776	795	890	765	920	1,012	1,086
Costa Rica	118	78	53	97	125	129	140
Dominican Republic	85	64	129	78	133	98	100
Ecuador	297	312	294	139	255	358	315
El Salvador	38	44	42	55	63	54	59
Guatemala	173	136	105	102	105	100	109
Honduras	64	48	32	50	36	73	70
Mexico	8,343	9,189	6,712	5,263	6,119	6,371	5,640
Peru	482	610	359	264	373	421	429
Trinidad & Tobago		35	73	26	22	40	65
Venezuela (D)	2,335	2,246	2,289	1,184	1,677	1,477	2,133
Others	382	297	443	440	378	376	371
Total Latin America	28,516	26,288	22,917	18,677	22,264	22,844	25,727
Algeria	1,714	1,892	1,995	1,712	1,609	1,520	1,514
Egypt	1,857	1,813	2,002	2,128	2,474	2,621	1,886
Kenya	285	221	173	198	228	255	189
Libyan Arab Republic	865	1,044	375	551	309	488	435
Morocco	509	485	629	536	683	642	453
Nigeria	3,829	3,886	3,411	1,667	1,363	2,395	1,643
Tanzania	68	32	66	70	58	56	42
Tunisia	185	232	469	444	442	380	366
Zaire	60	51	52	50	73	24	19
Zambia	23	12	9	8	11	23	24
Zimbabwe	105	263	187	187	99	258	295
Other Africa	914	964	514	768	1,018	1,018	818
Total Africa	10,414	10,895	9,882	8,319	8,367	9,680	7,685
Bahrain	47	47	89	117	105	70	51
Iran	3,438	2,810	4,037	5,315	4,173	4,173	3,173
Iraq	1,593	1,208	955	1,000	750	852	520
Israel	250	457	490	715	790	774	841
Jordan	284	384	344	402	331	229	164
Kuwait	575	595	665	500	495	228	282
Lebanon	285	287	315	340	443	320	292
Oman	100	194	261	256	387	365	179
Qatar	10	12	96	96	(5)	64	68
Saudi Arabia	2,921	3,825	5,483	5,112	4,149	4,301	2,333
Syrian Arab Republic	941	457	791	427	760	1,003	204
Other	1,544	1,788	1,604	2,604	2,604	2,604	1,604
Total Middle East	11,989	12,064	15,130	16,883	14,981	14,983	9,711

Table 12 (continued)

APPARENT CONSUMPTION OF FINISHED STEEL

(thousand metric tons)

	1974	1975	1976	1977	1978	1979	1980
Bangladesh	130	140	159	283	273	319	333
Hong Kong	563	568	949	1,096	1,457	1,486	1,625
India	6,597	6,220	6,066	7,158	8,579	9,610	9,086
Indonesia	1,233	1,117	1,220	1,347	1,485	1,541	2,308
Republic of Korea (D)	2,583	2,371	3,174	4,717	6,041	6,230	5,115
Malaysia	929	655	736	779	881	1,047	1,425
Pakistan	514	643	637	806	666	905	908
Philippines	873	594	797	995	939	1,095	781
Singapore	1,465	1,176	995	826	959	1,187	1,453
Taiwan (ROC) (D)	2,359	1,774	2,456	3,340	4,102	4,375	5,274
Thailand	908	752	1,101	1,282	1,448	1,651	1,518
Other	1,654	1,404	1,104	942	1,077	773	1,123
Total Asia	19,808	17,414	19,395	23,572	27,909	30,221	30,949
TOTAL DEVELOPING CTS.	55,477	54,005	55,452	64,499	71,264	78,171	81,867
TOTAL WESTERN WORLD	380,064	317,577	342,018	347,940	362,954	392,122	376,331
Albania	96	88	86	114	88	97	143
Bulgaria	1,561	1,688	1,627	1,907	1,952	2,147	2,260
Czechoslovakia	7,976	8,346	8,811	8,666	8,833	8,514	8,394
German Dem Rep	7,200	7,548	7,930	7,974	8,131	7,856	7,754
Hungary	2,963	3,031	3,081	3,037	3,310	3,016	2,940
Poland	13,479	13,910	14,207	14,404	15,082	14,862	14,876
Romania	7,003	7,721	8,323	8,736	8,955	9,659	9,748
USSR (E)	106,203	109,522	114,996	114,393	119,992	118,744	117,813
Total Eastern Europe	146,481	151,854	159,062	159,230	166,343	164,895	163,928
Cuba	700	808	759	732	724	752	734
China	19,538	21,984	20,330	23,296	32,752	34,631	33,163
Other Asian CPE's	2,641	2,423	2,545	3,351	4,348	4,604	4,912
TOTAL CPE'S	169,360	177,069	182,695	186,609	204,168	204,882	202,736
WORLD TOTAL	549,424	494,646	524,713	534,549	567,122	597,005	579,067

Table 12
(continued)

APPARENT CONSUMPTION OF FINISHED STEEL

(thousand metric tons)

	1980	1981	1982	1983	1984	1985	1986
Bangladesh	333	391	182	187	318	381	367
Hong Kong	1,625	1,686	1,797	1,599	2,103	2,445	2,042
India	9,086	10,998	10,911	9,577	9,761	10,667	11,372
Indonesia	2,308	2,460	2,352	2,201	1,458	1,761	2,304
Republic of Korea (D)	5,115	6,312	6,451	7,539	8,944	9,652	10,272
Malaysia	1,425	1,424	1,981	2,233	2,019	1,923	1,777
Pakistan	908	820	1,379	1,269	960	967	892
Philippines	781	789	1,207	1,305	750	793	998
Singapore	1,453	1,731	2,122	2,323	1,910	1,605	1,630
Taiwan (ROC) (D)	5,274	4,637	4,230	4,810	5,071	5,260	6,530
Thailand	1,518	1,415	1,869	2,232	1,859	2,236	1,642
Other	1,123	2,004	1,677	2,256	3,443	4,304	2,704
Total Asia	30,949	34,667	36,158	37,530	38,597	41,994	42,531
TOTAL DEVELOPING CTS.	81,867	83,913	84,087	81,410	84,209	89,502	85,654
TOTAL WESTERN WORLD	376,331	370,369	338,611	334,343	368,892	369,977	362,074
Albania	143	80	121	120	120	120	120
Bulgaria	2,260	2,314	2,434	2,566	2,336	2,419	2,310
Czechoslovakia	8,394	8,726	8,650	8,672	8,506	8,642	8,706
German Dem Rep	7,754	7,500	7,822	7,228	7,028	7,416	7,310
Hungary	2,940	2,981	3,016	2,934	2,786	2,875	2,937
Poland	14,876	11,902	11,156	11,474	11,936	11,854	12,534
Romania	9,748	9,275	9,450	8,931	9,597	9,075	9,316
USSR (E)	117,813	118,512	118,206	123,595	125,022	125,537	130,240
Total Eastern Europe	163,928	161,290	160,856	165,521	167,331	167,938	173,474
Cuba	734	804	682	755	800	898	910
China	33,163	30,325	31,656	38,760	43,128	55,022	58,243
Other Asian CPE's	4,912	4,681	4,912	5,192	5,500	6,962	7,569
TOTAL CPE'S	202,736	197,099	198,105	210,229	216,759	230,819	240,196
WORLD TOTAL	579,067	567,468	536,716	544,572	585,651	600,796	602,270

Table 13 APPARENT DOMESTIC SUPPLY OF FINISHED STEEL

(thousand metric tons)

	1974	1975	1976	1977	1978	1979	1980
Belgium/Luxembourg	17,540	12,598	13,015	12,280	13,807	14,644	13,534
Denmark	412	438	597	574	729	682	637
France	21,156	16,935	18,434	17,701	18,416	18,902	19,115
FR of Germany	42,339	32,407	34,243	31,774	33,843	37,831	36,436
Greece	528	555	472	441	515	625	669
Ireland	85	62	45	36	53	55	2
Italy	19,006	17,614	19,060	19,160	20,035	20,167	22,165
Netherlands	4,490	3,705	3,983	3,787	4,300	4,465	4,098
Portugal	302	327	364	435	501	533	545
Spain	9,146	8,854	8,783	8,980	9,165	9,945	10,346
United Kingdom (D)	17,842	14,982	15,639	15,662	15,879	16,507	9,849
EC Total	132,847	108,478	114,635	110,831	117,243	124,358	117,394
Austria	3,718	3,247	3,611	3,355	3,567	4,097	3,875
Finland	1,448	1,409	1,437	1,936	2,071	2,190	2,234
Norway	722	704	701	557	630	703	678
Sweden (D)	3,777	3,091	3,057	2,916	3,147	3,337	3,139
Switzerland	455	323	419	505	603	682	715
Turkey	1,223	1,310	1,517	1,463	1,671	1,843	1,975
Yugoslavia	2,182	2,288	2,170	2,559	2,818	2,892	2,974
Others	0	0	0	0	0	0	0
Other Western Europe	13,524	12,371	12,911	13,290	14,507	15,744	15,590
Total Western Europe	146,371	120,849	127,546	124,121	131,749	140,101	132,984
Canada	10,731	10,253	10,436	10,777	11,866	12,779	12,780
United States (D)	99,083	72,251	81,054	82,615	88,724	90,906	75,932
Japan (D)	99,291	86,243	91,786	89,077	90,114	99,436	99,835
Australia	6,040	6,059	5,995	5,645	5,848	6,305	5,943
New Zealand	149	142	171	168	173	176	177
South Africa (D)	4,191	4,402	4,834	5,396	5,907	6,590	6,769
TOTAL INDUSTRIAL CTS.	365,857	300,200	321,823	317,799	334,381	356,293	334,419

The figures in this table are derived by subtracting net imports of finished and semi-finished steel from the apparent consumption of finished steel shown in table 12.

(D) indicates that the apparent consumption figures were obtained from national sources, based on deliveries rather than production.
In these cases the delivery figures may include material based on re-rolling of old material. Inventory changes will also affect the delivery figures.
However this table will exclude deliveries based on imported feed.

Table 13
(continued)

APPARENT DOMESTIC SUPPLY OF FINISHED STEEL

(thousand metric tons)

	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	13,534	12,982	10,921	10,977	12,653	12,266	11,448
Denmark	637	550	504	444	495	477	571
France	19,115	17,822	15,605	15,035	16,326	16,510	15,902
FR of Germany	36,436	35,012	30,590	30,937	34,377	35,487	32,792
Greece	669	699	718	668	691	758	777
Ireland	2	29	55	127	150	183	188
Italy	22,165	20,752	20,361	18,782	20,884	20,913	20,186
Netherlands	4,098	4,365	3,531	3,661	4,713	4,534	4,368
Portugal	545	467	417	555	576	556	589
Spain	10,346	10,606	10,881	10,810	11,280	12,006	10,203
United Kingdom (D)	9,849	12,300	11,371	12,003	12,132	12,730	12,910
EC Total	117,394	115,585	104,953	103,998	114,277	116,420	109,934
Austria	3,875	3,973	3,718	3,913	4,330	4,170	3,848
Finland	2,234	2,168	2,160	2,163	2,365	2,254	2,318
Norway	678	671	627	725	768	797	707
Sweden (D)	3,139	3,064	3,018	3,268	3,689	3,973	3,749
Switzerland	715	718	642	642	752	759	827
Turkey	1,975	1,909	2,687	3,277	3,751	4,172	5,159
Yugoslavia	2,974	3,291	3,200	3,467	3,554	3,769	3,802
Others	0	0	0	0	0	0	0
Other Western Europe	15,590	15,794	16,053	17,455	19,208	19,894	20,410
Total Western Europe	132,984	131,379	121,007	121,453	133,485	136,313	130,343
Canada	12,780	12,035	9,656	10,517	12,067	12,119	11,701
United States (D)	75,932	79,805	55,273	60,331	65,485	64,420	62,009
Japan (D)	99,835	90,171	90,231	89,299	97,023	98,485	93,101
Australia	5,943	6,007	5,051	4,554	5,077	5,325	5,376
New Zealand	177	170	194	180	215	175	221
South Africa (D)	6,769	6,800	6,509	5,871	6,082	6,840	7,186
TOTAL INDUSTRIAL CTS.	334,419	326,367	287,921	292,205	319,434	323,677	309,937

Table 13 (continued)

APPARENT DOMESTIC SUPPLY OF FINISHED STEEL

(thousand metric tons)

	1974	1975	1976	1977	1978	1979	1980
Argentina (D)	1,887	1,775	1,943	2,164	2,292	2,671	2,260
Bolivia	0	0	0	0	0	0	0
Brazil (D)	5,873	6,192	7,486	8,828	10,070	11,600	12,582
Chile	490	378	371	423	460	507	544
Colombia	256	301	274	254	300	272	323
Costa Rica	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0
Ecuador	0	0	0	0	0	6	13
El Salvador	0	0	0	0	0	0	0
Guatemala	19	19	19	19	19	19	19
Honduras	0	0	0	0	0	0	0
Mexico	4,040	4,149	4,167	4,526	5,481	5,757	5,787
Peru	346	332	266	292	288	292	344
Trinidad & Tobago	0	0	0	0	0	0	0
Venezuela (D)	814	846	721	657	922	1,963	1,658
Others	18	20	22	62	55	88	103
Total Latin America	13,744	14,012	15,270	17,225	19,887	23,174	23,633
Algeria	76	97	158	219	162	346	285
Egypt	314	377	538	630	633	712	887
Kenya	40	40	40	40	40	40	40
Libyan Arab Republic	0	0	0	0	0	0	0
Morocco	0	0	0	0	0	0	0
Nigeria	12	11	12	12	12	12	15
Tanzania	0	0	0	0	0	0	0
Tunisia	101	98	79	120	123	135	137
Zaire	0	0	0	0	0	0	0
Zambia	0	0	0	0	0	0	0
Zimbabwe	378	403	564	565	598	569	619
Other Africa	6	6	6	6	6	10	14
Total Africa	926	1,031	1,397	1,591	1,574	1,824	1,997
Bahrain	0	0	0	0	0	0	0
Iran	436	424	422	1,404	1,000	1,100	923
Iraq	0	0	0	0	0	0	0
Israel	58	46	54	55	72	82	88
Jordan	27	27	27	27	19	27	27
Kuwait	0	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0	0
Oman	0	0	0	0	0	0	0
Qatar	0	0	0	0	98	305	392
Saudi Arabia	0	0	0	0	0	0	0
Syrian Arab Republic	0	0	0	0	23	23	23
Other	0	0	0	0	0	81	44
Total Middle East	521	497	503	1,486	1,212	1,618	1,498

Table 13
(continued)

APPARENT DOMESTIC SUPPLY OF FINISHED STEEL

(thousand metric tons)

	1980	1981	1982	1983	1984	1985	1986
Argentina (D)	2,260	2,111	2,375	2,243	1,870	2,215	2,741
Bolivia	0	0	0	0	0	0	0
Brazil (D)	12,582	10,542	10,917	12,662	15,636	17,334	18,176
Chile	544	497	379	476	534	532	545
Colombia	323	309	325	371	390	408	486
Costa Rica	0	0	0	0	0	0	0
Dominican Republic	0	0	0	11	49	46	50
Ecuador	13	22	22	18	14	14	15
El Salvador	0	0	5	12	8	9	9
Guatemala	19	19	19	22	21	8	19
Honduras	0	0	0	0	0	15	15
Mexico	5,787	6,179	5,788	5,839	6,305	6,116	6,039
Peru	344	280	209	230	259	305	374
Trinidad & Tobago	0	35	168	162	132	126	255
Venezuela (D)	1,658	1,780	1,650	1,777	2,267	2,385	2,701
Others	103	71	21	47	30	28	25
Total Latin America	23,633	21,844	21,878	23,868	27,516	29,541	31,451
Algeria	285	428	668	686	581	615	615
Egypt	887	878	893	808	885	731	769
Kenya	40	40	40	40	40	40	40
Libyan Arab Republic	0	0	0	0	0	0	0
Morocco	0	0	0	0	0	0	0
Nigeria	15	17	69	140	144	247	154
Tanzania	0	0	0	0	0	0	0
Tunisia	137	133	82	125	130	123	140
Zaire	0	0	0	0	0	0	0
Zambia	0	0	0	0	0	0	0
Zimbabwe	619	532	414	498	325	562	518
Other Africa	14	14	14	18	18	18	18
Total Africa	1,997	2,042	2,180	2,315	2,123	2,336	2,255
Bahrain	0	0	0	0	0	0	0
Iran	923	923	923	923	923	923	923
Iraq	0	0	0	0	0	0	0
Israel	88	88	67	371	197	182	244
Jordan	27	27	27	27	27	27	27
Kuwait	0	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0	0
Oman	0	0	0	0	0	0	0
Qatar	392	361	381	361	368	410	390
Saudi Arabia	0	0	0	212	648	851	846
Syrian Arab Republic	23	23	23	23	23	23	23
Other	44	88	104	104	104	104	104
Total Middle East	1,498	1,510	1,525	2,020	2,289	2,520	2,557

Table 13 (continued)

APPARENT DOMESTIC SUPPLY OF FINISHED STEEL

(thousand metric tons)

	1974	1975	1976	1977	1978	1979	1980
Bangladesh	57	58	69	83	92	96	101
Hong Kong	92	92	92	92	92	92	92
India	5,438	6,147	7,203	7,699	7,768	7,789	7,318
Indonesia	62	77	107	192	173	235	277
Republic of Korea (D)	1,576	1,625	2,882	3,834	4,734	6,640	7,557
Malaysia	140	141	146	149	156	159	162
Pakistan	179	238	269	275	212	305	254
Philippines	0	0	0	0	0	0	0
Singapore	149	151	156	165	216	225	262
Taiwan (ROC) (D)	901	1,101	1,402	2,034	3,138	2,932	3,588
Thailand	251	193	216	238	266	338	346
Other	154	154	154	192	177	173	173
Total Asia	8,999	9,977	12,697	14,954	17,026	18,986	20,130
TOTAL DEVELOPING CTS.	24,189	25,517	29,867	35,256	39,699	45,602	47,257
TOTAL WESTERN WORLD	390,046	325,717	351,689	353,055	374,080	401,895	381,676
Albania	0	0	0	0	0	0	0
Bulgaria	1,683	1,742	1,892	1,992	1,900	1,909	1,975
Czechoslovakia	10,505	11,028	11,317	11,595	11,772	11,417	11,511
German Dem Rep	4,807	5,055	5,261	5,353	5,457	5,502	5,761
Hungary	2,725	2,930	2,946	3,006	3,137	3,178	3,081
Poland	11,240	11,589	12,071	13,784	14,881	14,876	15,092
Romania	6,800	7,345	8,438	8,813	9,061	9,930	10,455
USSR (E)	105,759	110,021	112,967	114,454	118,428	116,742	115,933
Total Eastern Europe	143,519	149,710	154,893	158,996	164,636	163,554	163,808
Cuba	192	229	228	232	249	252	234
China	16,245	18,387	15,738	18,262	24,446	26,526	28,555
Other Asian CPE's	2,462	2,231	2,308	3,077	3,908	4,154	4,462
TOTAL CPE'S	162,418	170,557	173,166	180,567	193,240	194,486	197,058
WORLD TOTAL	552,464	496,274	524,855	533,622	567,320	596,382	578,734

Table 13 (continued)

APPARENT DOMESTIC SUPPLY OF FINISHED STEEL

(thousand metric tons)

	1980	1981	1982	1983	1984	1985	1986
Bangladesh	101	103	60	45	68	94	89
Hong Kong	92	92	92	92	92	92	92
India	7,318	8,292	8,459	7,875	8,115	9,182	9,382
Indonesia	277	385	385	615	769	923	1,154
Republic of Korea (D)	7,557	8,998	10,768	11,148	11,967	12,679	13,314
Malaysia	162	162	162	269	269	423	577
Pakistan	254	269	269	154	192	192	192
Philippines	0	15	15	90	230	450	450
Singapore	262	202	276	235	278	281	300
Taiwan (ROC) (D)	3,588	3,564	4,404	5,542	5,494	5,880	6,185
Thailand	346	231	240	188	293	292	292
Other	173	154	177	256	193	204	204
Total Asia	20,130	22,467	25,307	26,508	27,961	30,692	32,232
TOTAL DEVELOPING CTS.	47,257	47,862	50,890	54,712	59,889	65,090	68,495
TOTAL WESTERN WORLD	381,676	374,229	338,811	346,917	379,322	388,767	378,432
Albania	0	0	0	0	0	0	0
Bulgaria	1,975	1,910	1,989	2,200	2,253	2,301	2,269
Czechoslovakia	11,511	11,777	11,583	11,660	11,553	11,722	11,792
German Dem Rep	5,761	5,903	5,680	5,729	6,086	6,397	6,520
Hungary	3,081	2,978	3,015	2,973	3,148	3,052	3,118
Poland	15,092	12,173	11,465	12,570	12,942	12,628	13,433
Romania	10,455	10,381	10,436	10,128	11,693	11,167	11,594
USSR (E)	115,933	116,680	115,698	119,860	121,210	121,737	126,740
Total Eastern Europe	163,808	161,802	159,867	165,121	168,885	169,004	175,467
Cuba	234	254	232	280	260	308	320
China	28,555	27,388	28,585	30,785	33,322	35,942	39,923
Other Asian CPE's	4,462	4,231	4,462	4,692	5,000	6,462	7,069
TOTAL CPE'S	197,058	193,674	193,145	200,879	207,467	211,715	222,779
WORLD TOTAL	578,734	567,903	531,956	547,796	586,789	600,482	601,211

Table 14

PIG IRON PRODUCTION

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium	9,866	8,912	10,128	10,858	9,900	9,809	7,831	8,068	9,011	8,747	8,046
Denmark	0	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	14,710	15,071	13,708
FR of Germany	31,538	28,697	29,861	34,855	33,609	31,612	27,066	26,352	29,737	31,143	28,593
Greece	421	323	282	328	303	91	350	0	0	0	0
Ireland	0	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	12,063	11,837
Luxembourg	3,759	3,568	3,721	3,801	3,569	2,889	2,587	2,316	2,768	2,754	2,650
Netherlands	4,267	3,922	4,613	4,814	4,328	4,600	3,617	3,747	4,926	4,819	4,629
Portugal	344	357	353	363	370	314	222	364	474	519	525
Spain	6,626	6,705	6,239	6,440	6,379	6,259	5,994	5,426	5,319	5,457	4,865
United Kingdom	13,710	12,118	11,363	12,762	6,263	9,469	8,326	9,497	9,487	10,381	9,685
EC Total	100,820	93,897	96,000	104,512	95,547	94,263	82,245	79,583	88,063	90,954	84,538
Austria	3,320	2,965	3,077	3,702	3,485	3,477	3,115	3,320	3,745	3,704	3,349
Finland	1,329	1,764	1,858	2,038	2,019	1,965	1,944	1,898	2,034	1,901	1,978
Norway	647	548	556	651	618	570	483	565	572	610	564
Sweden	2,952	2,330	2,363	2,905	2,377	1,770	1,779	2,011	2,214	2,424	2,435
Switzerland	23	27	35	30	33	33	10	10	54	66	79
Turkey	1,679	1,616	1,710	2,302	2,140	2,050	2,174	2,719	2,902	3,193	3,666
Yugoslavia	1,919	1,928	2,081	2,368	2,436	2,816	2,702	2,836	2,855	3,113	3,067
Other Western Europe	11,869	11,178	11,680	13,996	13,108	12,681	12,207	13,359	14,376	15,011	15,138
Total Western Europe	112,689	105,075	107,680	118,508	108,655	106,944	94,452	92,942	102,439	105,965	99,676
Canada	10,033	9,661	10,338	10,906	10,893	9,743	8,000	8,567	9,643	9,665	9,249
United States	78,808	73,780	79,541	78,929	62,343	66,742	39,281	44,208	47,087	45,764	39,772
Japan	86,576	85,886	78,589	83,825	87,041	80,048	77,655	72,936	80,403	80,569	74,651
Australia	7,308	6,733	7,280	7,759	6,976	6,740	5,953	5,062	5,324	5,599	5,853
New Zealand	0	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	6,010	5,774
TOTAL INDUSTRIAL CTS.	301,259	286,942	289,323	306,948	283,126	277,582	232,103	228,930	250,427	253,572	234,975
Argentina	1,286	1,092	1,432	1,110	1,027	912	1,015	909	893	1,310	1,639
Brazil	8,170	9,380	10,043	11,594	12,685	10,791	10,827	12,945	17,230	18,961	20,628
Central America	0	0	0	0	0	0	0	0	0	0	0
Chile	403	433	539	612	647	592	453	539	594	575	592
Colombia	285	223	295	241	281	232	246	268	270	246	319
Ecuador	0	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	3,728
Panama	0	0	0	0	0	0	0	0	0	0	0
Peru	232	241	244	266	262	177	162	113	0	163	216
Trinidad & Tobago	0	0	0	0	0	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0	0	0	0	0	0
Venezuela	421	352	413	509	497	420	202	169	325	440	491
Total Latin America	13,128	14,720	16,475	17,818	19,038	16,891	16,503	18,480	23,181	25,225	27,613

Table 14
(continued)

PIG IRON PRODUCTION
thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria	413	389	288	497	669	897	1,059	1,113	800	800	800 E
Egypt	569	665	660	749	1,027	965	1,080	898	962	950	950 E
Nigeria	0	0	0	0	0	0	0	0	0	0	0
Tunisia	112	136	138	155	153	158	97	147	150	142	150
Zimbabwe	861	654	690	650	786	643	478	584	400	674	644
Other Africa	15	20	20	20	20	20	20	20	20	20	20 E
Total Africa	1,970	1,864	1,796	2,071	2,655	2,683	2,734	2,762	2,332	2,586	2,564
Iran (E)	250	250	250	200	200	210	220	240	250	250	250 E
Israel	0	0	0	0	0	0	0	0	0	0	0
Qatar	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0
Total Middle East	250	250	250	200	200	210	220	240	250	250	250
Bangladesh	0	0	0	0	0	0	0	0	0	0	0
Hong Kong	0	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	10,514
Indonesia	0	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0	0	0	0
Philippines	0	0	0	0	0	0	0	0	0	0	0
Singapore	0	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	9,003
Taiwan (ROC)	105	623	1,417	1,760	1,724	1,611	2,695	3,415	3,288	3,429	3,740
Thailand	18	20	24	30	17	10	6	10	10	10	10 E
Total Asia	11,911	12,872	13,451	15,620	15,827	19,020	20,784	20,611	21,546	22,112	23,267
TOTAL DEVELOPING CTS.	27,259	29,706	31,972	35,709	37,720	38,804	40,241	42,093	47,309	50,173	53,694
TOTAL WESTERN WORLD	328,518	316,648	321,295	342,657	320,846	316,386	272,344	271,023	297,736	303,745	288,669
Bulgaria	1,552	1,614	1,493	1,451	1,539	1,515	1,562	1,626	1,583	1,712	1,605
Czechoslovakia	9,475	9,715	9,944	9,529	9,820	9,903	9,525	9,466	9,561	9,562	9,573
German Dem Rep	2,519	2,621	2,548	2,378	2,448	2,421	2,136	2,196	2,343	2,565	2,726
Hungary	2,221	2,320	2,330	2,385	2,214	2,212	2,198	2,047	2,098	2,100	2,061
Poland	7,912	9,517	11,109	10,966	11,378	8,870	8,098	9,386	9,533	9,335	10,096
Romania	7,416	7,781	8,155	8,879	9,102	8,857	8,637	8,190	9,557	9,212	9,329
USSR	104,400	106,500	110,000	108,300	107,282	107,766	106,723	110,453	110,893	109,977	113,600
Total Eastern Europe	135,495	140,068	145,579	143,888	143,783	141,544	138,879	143,364	145,568	144,463	148,990
China	22,330	25,050	34,790	36,730	38,024	34,166	35,510	37,378	40,062	43,543	49,940
DPR Korea (E)	3,000	4,000	5,000	5,000	5,400	5,000	5,250	5,500	5,750	7,750	8,500 E
TOTAL CPE'S	160,825	169,118	185,369	185,618	187,207	180,710	179,639	186,242	191,380	195,756	207,430
WORLD TOTAL	489,343	485,766	506,664	528,275	508,053	497,096	451,983	457,265	489,116	499,501	496,099

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

Table 15

PIG IRON EXPORTS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	33	56	37	22	7	9	4	2	3	4	6
France	227	192	128	360	286	191	174	136	192	233	8
FR of Germany	890	761	808	1,019	1,103	929	829	544	581	722	576
Italy	8	12	17	22	9	5	8	29	18	31	73
Netherlands	0	0	2	24	12	6	7	13	9	19	19
Spain	1	0	64	81	31	19	0	6	19	46	31
United Kingdom	83	68	55	45	56	38	34	69	61	83	65
EC Total	1,242	1,089	1,111	1,573	1,504	1,197	1,056	799	883	1,138	778
Austria	4	4	2	4	3	6	5	5	7	9	8
Finland	85	68	0	17	18	0	0	1	1	0	0
Norway	96	89	107	145	104	71	65	44	28	32	23
Sweden	158	256	610	269	180	143	127	131	113	108	114
Turkey	0	0	0	0	8	0	0	16	60	55	55
Yugoslavia	51	75	23	62	51	23	12	6	5	20	15
Other Western Europe	394	492	742	497	364	243	209	203	214	224	215
Total Western Europe	1,636	1,581	1,853	2,070	1,868	1,440	1,265	1,002	1,097	1,362	993
Canada	385	505	544	256	562	466	485	348	392	574	520
United States	75	61	61	114	90	31	62	19	65	33	53
Japan	156	575	43	61	15	12	61	345	292	1,085	1,074
Australia	593	763	519	642	515	158	300	350	100	100	70
South Africa	0	3	33	117	117	99	93	0	0	0	0
TOTAL INDUSTRIAL CTS.	2,845	3,488	3,053	3,260	3,167	2,206	2,266	2,064	1,946	3,154	2,710
Brazil	775	851	1,027	989	841	714	677	1,801	2,484	2,478	2,370
Zimbabwe	164	0	0	20	39	10	5	0	0	0	0
India	1,023	699	267	44	0	0	0	0	0	0	0
Indonesia	0	0	0	0	0	82	117	62	70	87	90 E
TOTAL DEVELOPING CTS.	2,003	1,591	1,335	1,094	921	765	723	1,842	2,525	2,519	2,411
TOTAL WESTERN WORLD	4,848	5,079	4,388	4,354	4,088	2,971	2,989	3,906	4,471	5,673	5,121
Bulgaria	27	37	48	12	34	8	16	38	262	80	52
Czechoslovakia	22	28	0	0	0	0	0	0	0	0	0
German Dem Rep	41	41	41	12	27	27	6	9	11	6	6 E
Hungary	136	116	48	16	2	0	0	5	21	0	0
Poland	0	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	4,500
Total Eastern Europe	4,753	4,722	4,637	4,540	4,563	4,535	4,522	4,552	4,794	4,586	4,558
WORLD TOTAL	9,601	9,801	9,025	8,894	8,651	7,506	7,511	8,458	9,265	10,259	9,679

Table 16

PIG IRON IMPORTS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	203	167	119	105	97	92	91	48	94	113	122
Denmark	36	29	23	24	44	51	66	32	43	62	80
France	404	459	407	446	452	406	370	365	412	480	372
FR of Germany	375	390	380	328	344	270	276	235	275	275	335
Greece	16	18	15	40	10	17	14	17	7	9	20
Ireland	1	2	2	3	2	2	2	0	1	2	2
Italy	806	704	455	636	733	352	417	324	417	341	460
Netherlands	48	50	50	76	64	44	43	38	54	49	56
Portugal	32	25	34	47	42	75	49	55	48	41	34
Spain	54	36	34	41	55	41	104	100	138	177	140
United Kingdom	222	181	169	173	192	129	168	106	103	118	133
EC Total	2,197	2,061	1,688	1,919	2,035	1,479	1,600	1,320	1,592	1,667	1,754
Austria	107	95	144	95	103	82	78	38	51	55	44
Finland	5	4	7	20	45	25	23	15	12	19	19
Norway	15	14	8	13	15	15	10	10	8	9	7
Sweden	235	89	47	58	56	46	68	48	49	57	67
Switzerland	69	84	99	99	99	83	82	80	80	70	60 E
Turkey	269	15	5	1	5	1	0	68	43	50	125
Yugoslavia	142	19	85	102	49	71	99	65	66	55	65
Other Western Europe	842	320	395	388	372	323	360	324	309	315	387
Total Western Europe	3,039	2,381	2,083	2,307	2,407	1,802	1,960	1,644	1,901	1,982	2,141
Canada	9	12	3	10	2	7	2	5	5	10	12
United States	489	465	683	527	423	462	322	342	796	386	356
Japan	593	550	646	564	781	1,086	1,381	1,001	823	748	968
South Africa	79	0	0	21	0	0	0	0	0	0	0
TOTAL INDUSTRIAL CTS.	4,209	3,408	3,415	3,429	3,613	3,357	3,665	2,992	3,525	3,126	3,477
Argentina	71	136	40	49	153	10	122	205	177	32	0
India	0	1	0	0	0	117	427	204	200	200	200 E
Indonesia	10	16	35	33	36	21	84	88	96	81	80 E
Republic of Korea	7	20	29	80	7	64	72	105	203	99	382
Philippines	63	53	36	46	21	2	4	1	0	0	22
Singapore	22	9	57	81	33	63	103	57	9	47	50 E
Taiwan (ROC)	71	105	73	74	12	188	148	224	211	173	304
Thailand	1	21	1	23	5	27	15	13	15	16	15 E
Total Asia	174	225	231	337	114	482	853	692	734	616	1,053
TOTAL DEVELOPING CTS.	245	361	271	386	267	492	975	897	911	648	1,053
TOTAL WESTERN WORLD	4,454	3,769	3,686	3,815	3,880	3,849	4,640	3,889	4,436	3,774	4,530
Bulgaria	336	366	410	356	413	435	400	408	665	412	425
Czechoslovakia	858	912	919	592	809	843	901	780	745	869	809
German Dem Rep	668	642	816	700	752	721	945	890	904	1,150	1,208
Hungary	289	228	253	226	257	291	235	295	281	274	255
Poland	1,815	1,740	1,709	1,463	1,374	1,449	1,273	1,133	1,188	1,330	1,391
Romania	560	646	513	561	633	282	280	210	165	117	100
USSR (E)	229	213	176	37	0	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	4,152	4,188
China	430	1,183	1,391	726	353	12	0	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	4,152	4,188
WORLD TOTAL	9,639	9,699	9,873	8,476	8,471	7,882	8,674	7,605	8,384	7,926	8,718

Table 17

IRON ORE PRODUCTION

thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium	47	42	0	0	0	0	0	0	0	0
Denmark	5	0	6	8	0	0	0	0	0	0
France	36,634	33,457	31,665	28,978	21,597	19,391	15,966	17,326	14,680	12,560
FR of Germany	2,487	1,597	1,649	1,948	1,575	1,314	979	979	1,034	717
Greece	2,052	1,620	1,850	1,600	1,280	515	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0
Luxembourg	1,547	835	631	560	429	0	0	0	0	0
Italy	461	353	208	179	128	5	0	0	0	0
Netherlands	0	0	0	0	0	0	0	0	0	0
Portugal	52	52	50	57	37	27	36	36	73	50
Spain	7,899	8,579	8,827	8,865	8,410	7,621	7,449	7,961	6,451	6,054
United Kingdom	3,745	4,240	4,268	916	731	470	384	379	274	289
EC Total	54,929	50,775	49,154	43,111	34,187	29,343	24,814	26,681	22,512	19,670
Austria	3,450	2,789	3,200	3,200	3,050	3,290	3,540	3,600	3,270	3,120
Finland	1,047	954	969	1,009	1,060	1,086	1,046	1,040	914	712
Norway	3,724	3,776	4,249	3,807	4,064	3,266	3,535	3,723	3,468	3,659
Sweden	25,416	21,486	26,619	27,174	23,377	16,138	13,534	18,122	20,265	20,475
Turkey	3,190	3,210	1,960	2,574	2,240	2,646	2,645	2,040	3,254	3,896
Yugoslavia	4,451	4,563	4,616	4,504	4,793	5,105	5,018	5,315	5,478	6,820
Other Western Europe	41,278	36,778	41,613	42,268	38,584	31,531	29,318	33,840	36,649	38,682
Total Western Europe	96,207	87,553	90,767	85,379	72,771	60,874	54,132	60,521	59,161	58,352
Canada	54,431	42,941	47,323	50,173	49,696	36,259	29,930	37,810	39,798	36,900
United States	56,275	82,015	86,489	70,727	75,188	36,000	38,574	52,097	49,277	39,613
Japan	684	595	460	478	441	362	298	324	340	292
Australia	95,923	83,134	91,717	95,534	84,661	87,694	71,040	94,406	92,900	92,100
New Zealand	2,650	3,020	3,910	3,160	3,480	2,980	2,200	2,290	2,520	2,580
South Africa	26,480	24,200	31,560	25,738	25,300	24,600	16,605	24,647	24,414	24,483
TOTAL INDUSTRIAL CTS.	332,650	323,458	352,226	331,189	311,537	248,769	212,779	272,095	268,410	254,320
Argentina	217	114	84	1,131	897	674	750	886	1,054	1,298
Brazil	80,940	84,440	95,460	97,240	97,900	93,100	92,100	112,100	128,200	132,000
Chile	7,660	7,040	8,290	8,960	7,480	6,356	5,809	5,590	5,840	6,250
Colombia	473	513	418	491	412	445	435	400	430	400
Mexico	5,380	5,330	6,440	8,149	8,736	8,795	7,888	10,544	7,910	8,000 E
Peru	6,191	4,921	5,444	5,704	6,069	5,931	4,225	4,031	4,992	5,026
Venezuela	13,684	13,515	15,260	16,102	15,531	11,701	9,449	13,055	14,764	16,720
Total Latin America	114,545	115,873	131,396	137,777	137,025	127,002	120,656	146,606	163,190	169,694

Table 17
(continued)

IRON ORE PRODUCTION
==========
thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria	3,180	3,040	3,120	3,454	3,481	3,892	3,684	3,664	3,376	3,359
Angola	0	0	0	0	0	0	0	0	0	0
Liberia	18,140	18,390	18,350	18,250	19,540	18,000	15,410	16,100	16,120	15,600
Mauritania	7,340	7,080	8,910	8,940	8,270	8,210	6,600	9,100	9,200	9,170
Morocco	410	60	60	60	50	230	300	200	140	200
Sierra Leone	0	0	0	0	0	10	360	420	70	0
Swaziland	1,480	0	0	0	0	0	0	0	0	0
Tunisia	490	340	390	384	400	270	300	310	310	310
Total Africa	31,040	28,910	30,830	31,088	31,741	30,612	26,654	29,794	29,216	28,639
India	42,598	38,838	39,545	40,682	41,122	41,997	37,584	40,764	42,545	48,821
Republic of Korea	653	587	459	545	555	553	591	554	542	525
Malaysia	320	300	350	372	530	400	100	160	160	210
Philippines	0	0	0	0	0	0	0	0	0	0
Thailand	60	90	100	84	60	30	70	70	100	100
Total Asia	43,631	39,815	40,454	41,683	42,267	42,980	38,345	41,548	43,347	49,656
TOTAL DEVELOPING CTS.	189,216	184,598	202,680	210,548	211,033	200,594	185,655	217,948	235,753	247,989
TOTAL WESTERN WORLD	521,866	508,056	554,906	541,737	522,570	449,363	398,434	490,043	504,163	502,309
Bulgaria	2,270	2,453	2,103	1,886	1,754	1,552	1,803	2,063	1,985	2,179
Czechoslovakia	1,994	2,023	2,012	1,927	1,935	1,861	1,903	1,869	1,824	1,784
German Dem Rep	72	80	65	51	41	41	40	36	0	0
Hungary	262	283	285	198	196	214	215	193	184	170 E
Poland	659	529	249	104	105	49	10	11	12	9
Romania	2,467	2,511	2,523	2,333	2,304	2,146	1,987	1,916	2,287	2,431
USSR	239,716	244,231	241,597	244,762	242,416	244,410	245,189	247,104	247,700	250,000
Total Eastern Europe	247,440	252,110	248,834	251,261	248,751	250,273	251,147	253,192	253,992	256,573
China	93,840	117,790	118,760	112,580	104,590	107,320	113,660	121,900	131,500	142,480
DPR Korea (E)	8,400	8,500	8,500	8,200	8,000	8,000	8,000	8,000	8,000	8,000
TOTAL CPE'S	349,680	378,400	376,094	372,041	361,341	365,593	372,807	383,092	393,492	407,053
WORLD TOTAL	871,546	886,456	931,000	913,778	883,911	814,956	771,241	873,135	897,655	909,362

Table 18

IRON ORE EXPORTS

thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium-Luxembourg	148	84	3	60	19	0	1	0	15	1
Denmark	5	10	7	9	9	15	12	7	7	5
France	11,843	11,371	10,173	8,652	6,378	5,453	4,622	4,752	4,628	4,168
FR of Germany	3	7	3	4	6	6	8	3	3	5
Italy	5	11	0	1	0	0	0	1	0	2
Netherlands	149	12	119	273	240	146	13	46	75	167
Portugal	0	0	1	4	0	0	0	2	0	0
Spain	1,462	2,024	1,994	2,088	1,126	1,869	1,580	1,974	2,056	2,000 E
United Kingdom	1	0	1	1	20	1	1	0	6	1
EC Total	13,616	13,519	12,301	11,092	7,798	7,490	6,237	6,785	6,790	6,349
Austria	0	0	0	0	0	0	0	1	1	8
Finland	0	13	0	15	23	0	0	0	0	0
Norway	2,696	3,073	3,481	2,722	3,482	2,116	2,946	3,083	2,578	2,532
Sweden	18,903	22,258	26,243	20,998	17,709	12,597	14,279	17,615	18,241	17,137
Yugoslavia	2	0	0	0	29	21	0	0	0	0
Other Western Europe	21,601	25,344	29,724	23,735	21,243	14,734	17,225	20,699	20,820	19,677
Total Western Europe	35,217	38,863	42,025	34,827	29,041	22,224	23,462	27,484	27,610	26,026
Canada	45,058	31,927	48,849	38,992	41,452	30,073	25,528	30,737	32,216	31,008
United States	2,177	4,281	5,230	5,781	5,635	3,229	3,842	5,073	5,115	4,554
Australia	78,889	75,265	78,380	80,375	71,729	72,567	74,088	85,477	84,746	79,520
New Zealand	3,300	3,000	2,700	2,500	2,900	2,500	2,500	2,200	2,100	2,200
South Africa	12,100	13,400	14,200	13,888	14,000	11,300	7,811	11,870	10,226	8,850
TOTAL INDUSTRIAL CTS.	176,741	166,736	191,384	176,363	164,757	141,893	137,231	162,841	162,013	152,158
Brazil	58,541	66,371	75,588	78,958	81,019	72,709	69,961	88,571	92,279	92,288
Chile	7,690	6,519	6,990	7,591	6,830	5,502	4,719	5,232	4,816	4,800
Peru	5,987	4,852	5,234	5,592	5,156	5,596	4,182	4,091	5,242	4,212
Venezuela	11,430	12,828	12,976	11,752	12,422	6,616	6,245	8,456	9,032	10,027
Total Latin America	83,648	90,570	100,788	103,893	105,427	90,423	85,107	106,350	111,369	111,327
Algeria	1,513	1,530	2,484	1,432	1,507	1,444	1,302	1,051	7	48
Angola	0	0	0	0	0	0	100	0	0	0
Liberia	17,916	20,771	19,348	17,387	20,670	16,314	15,358	16,758	16,126	14,478
Mauritania	8,552	6,309	9,313	8,727	8,609	7,753	7,402	9,527	9,333	8,929
Sierra Leone	0	0	0	0	0	0	355	400	100	0
Total Africa	27,981	28,610	31,145	27,546	30,786	25,511	24,517	27,736	25,566	23,455
India	23,341	19,459	23,870	26,194	23,927	25,359	22,001	25,696	28,840	32,225
Philippines	1,983	3,280	4,100	4,264	0	18	0	4	0	17
Total Asia	25,324	22,739	27,970	30,458	23,927	25,377	22,001	25,700	28,840	32,242
TOTAL DEVELOPING CTS.	136,953	141,919	159,903	161,897	160,140	141,311	131,625	159,786	165,775	167,024
TOTAL WESTERN WORLD	313,694	308,655	351,287	338,260	324,897	283,204	268,856	322,627	327,788	319,182
USSR	40,946	46,071	44,504	46,873	43,453	44,504	42,805	45,922	43,880	46,948
WORLD TOTAL	354,640	354,726	395,791	385,133	368,350	327,708	311,661	368,549	371,668	366,130

Table 19

IRON ORE IMPORTS

thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	21,522	24,242	26,144	22,182	21,148	18,613	17,519	19,628	18,997	18,056
Denmark	1	3	1	3	127	183	63	1	2	4
France	14,585	14,605	14,910	18,435	16,384	12,805	10,068	15,043	14,799	14,468
FR of Germany	39,749	42,133	51,703	49,834	44,288	38,910	35,497	42,568	45,007	41,632
Greece	646	235	389	288	0	0	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0
Italy	15,281	16,297	17,318	16,912	15,196	16,066	13,800	19,240	18,294	17,601
Netherlands	6,921	5,579	7,430	7,586	6,659	6,159	4,875	7,237	8,509	7,066
Portugal	447	389	620	495	0	263	470	375	683	543
Spain	4,899	4,628	5,196	4,757	4,687	4,620	4,202	4,220	5,023	4,290
United Kingdom	15,539	15,453	17,924	8,530	14,643	10,572	13,169	14,160	15,404	14,558
EC Total	119,590	123,564	141,635	129,022	123,132	108,191	99,663	122,472	126,718	118,218
Austria	2,611	2,618	3,963	3,336	3,423	3,241	2,391	3,890	3,684	3,201
Finland	1,140	1,530	1,792	1,736	1,496	1,494	1,300	1,857	1,756	1,987
Norway	120	121	312	87	11	48	226	40	230	18
Sweden	121	121	33	0	0	5	19	39	68	68
Switzerland	26	39	37	40	35	6	0	0	0	0
Turkey	667	173	773	811	1,050	1,171	1,329	1,656	2,300	2,450 E
Yugoslavia	516	547	1,060	1,640	1,360	1,477	1,568	1,566	2,180	1,347
Other Western Europe	0	0	9	6	16	12	13	16	23	24
Other Western Europe	5,201	5,149	7,979	7,656	7,391	7,454	6,846	9,064	10,241	9,095
Total Western Europe	124,791	128,713	149,614	136,678	130,523	115,645	106,509	131,536	136,959	127,313
Canada	2,505	4,686	5,913	5,875	5,792	3,357	4,013	4,947	6,104	5,720
United States	38,520	34,167	34,350	25,493	28,800	14,990	13,543	17,449	16,131	16,966
Japan	132,571	114,645	130,268	133,721	123,362	121,808	109,153	125,372	124,513	115,234
TOTAL INDUSTRIAL CTS.	298,387	282,211	320,145	301,767	288,477	255,800	233,218	279,304	283,707	265,233
Argentina	802	2,134	2,000	2,000	2,305	2,025	1,670	2,199	2,459	2,900
Mexico	0	0	0	0	0	0	0	0	2	209
Middle East	0	200	500	1,000	1,000	1,000	1,100	2,200	2,400	2,900
Indonesia	0	0	0	0	701	121	128	197	0	0
Republic of Korea	3,320	3,789	6,950	8,681	11,201	11,793	11,497	11,962	12,620	12,700
Philippines	2,407	3,405	3,363	4,651	36	0	0	0	0	0
Taiwan (ROC)	1,176	2,489	2,649	2,844	2,413	4,049	4,957	5,199	4,981	5,364
TOTAL DEVELOPING CTS.	7,705	12,017	15,462	19,176	17,656	18,988	19,352	21,757	22,462	24,073
TOTAL WESTERN WORLD	306,092	294,228	335,607	320,943	306,133	274,788	252,570	301,061	306,169	289,306
Bulgaria	1,672	1,646	2,107	2,225	2,280	2,360	2,312	2,286	2,215	2,247
Czechoslovakia	15,970	15,600	12,459	12,819	12,166	11,640	11,683	11,108	11,268	11,000 E
German DR (Fe cont)	2,267	2,046	2,033	2,088	2,335	1,932	1,842	1,971	2,697	2,598
Hungary	4,281	4,200	4,045	3,286	3,765	3,757	3,967	4,170	2,382	3,414
Poland	16,943	17,179	18,872	20,133	15,870	13,493	13,787	17,110	16,973	16,644
Romania	12,402	13,373	14,974	15,982	15,016	14,398	14,477	14,963	15,207	16,417
USSR	0	0	0	0	0	0	0	0	0	0
Total Eastern Europe	53,535	54,044	54,490	56,533	51,432	47,580	48,068	51,608	50,742	52,320
China	1,405	6,636	6,039	5,949	2,136	1,858	3,078	4,886	9,452	13,700
TOTAL CPE'S	54,940	60,680	60,529	62,482	53,568	49,438	51,146	56,494	60,194	66,020
WORLD TOTAL	361,032	354,908	396,136	383,425	359,701	324,226	303,716	357,555	366,363	355,326

Table 20

PRODUCTION OF PELLETS

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium	556	662			683	770	696	569	604	613	500
Italy	78	70	71	24	0	0	0	0	0	0	0
Netherlands									3700	3600	3500
Finland	247	254	271	263	287	306	333	332	324	140	0
Norway									2,100	1,800	2,000
Sweden	8,797	6,020	3,445	6,754	6,688	4,182	3,922	4,955	6,548	8,743	8,842
Turkey	0	0	0	0	0	0	0	0	0	96	503
Yugoslavia	45	67	71	74	87	86	75	75	70	81	132
Total Western Europe	9,723	7,073	3,858	7,115	7,745	5,344	5,026	5,931	13,346	15,073	15,477
Canada									22,600	23,000	23,800
United States	62,531	42,847	64,996	72,571	55,615	62,035	28,955	32,244	46,200	47,500	35,900
Japan	6,646	6,132	4,909	4,923	4,171	3,130	3,123	3,053	3,112	3,014	2,505
Australia	9,594	10,226	9,471	9,303	5,329	3,887	3,321	3,043	3,497	3,725	3,600
TOTAL INDUSTRIAL CTS.	88,494	66,278	83,234	93,912	72,860	74,396	40,425	44,271	88,755	92,312	81,282
Argentina	0	0	0	0	365	374	616	546	465	552	676
Brazil	4,666	3,466	8,876	10,216	10,936	17,797	15,604	14,480	22,290	22,619	24,000
Chile	0	0	1,900	2,816	3,178	3,266	3,376	3,072	3,371	3,607	3,400
Mexico	2,876	4,067	4,582	4,624	5,307	5,931	6,566	6,403	6,650	6,640	5,000
Peru	2,339	2,532	2,136	1,784	1,564	1,697	1,517	1,073	995	1,785	1,916
Venezuela	0	0	100	1,126	1,772	2,078	3,109	3,567	3,184	3,652	3,500
Total Latin America	9,881	10,065	17,594	20,566	23,122	31,143	30,788	29,141	36,955	38,855	38,492
Liberia									2,600	3,000	3,000
Bahrain	0	0	0	0	0	0	0	0	0	400	500
India	794	782	300	730	944	148	0	0	0	200	100
TOTAL DEVELOPING CTS.	10,675	10,847	17,894	21,296	24,066	31,291	30,788	29,141	39,555	42,455	42,092
TOTAL WESTERN WORLD	99,169	77,125	101,128	115,208	96,926	105,687	71,213	73,412	128,310	134,767	123,374
USSR	31,398	36,170	45,005	44,012	50,894	54,023	55,826	59,800	63,100	65,400	66,500
WORLD TOTAL	130,567	113,295	146,133	159,220	147,820	159,710	127,039	133,212	191,410	200,167	189,874

Totals are of available data only.

Table 21

SINTER PRODUCTION

thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	
Belgium	11,402			13,406	12,967	10,473	11,195	12,449	11,895	11,000	E
France	33,365	35,562	33,687	32,896	29,751	26,076	22,776	23,960	24,556	20,873	
FR of Germany	35,893	33,963	36,045	37,503	35,734	30,581	26,855	30,827	30,929	29,310	
Italy	14,612	14,843	14,105	14,613	14,382	13,786	12,656	13,630	14,513	13,478	
Luxembourg	7,947	7,511	7,377	6,971	5,241	4,687	4,510	4,891	4,952	4,431	
Netherlands	2,709	3,012	2,929	2,735	2,979	2,508	2,653	3,522	3,742	3,706	
Portugal	371	289	367	372	357	247	440	444	477	492	
Spain	9,699	9,352	9,398	8,993	9,079	8,567	8,253	7,410	7,465	6919	
United Kingdom (C)	13,399	14,990	17,041	7,161	9,810	8,864	9,869	10,326	10,864	10,500	E
EC Total	129,397	119,522	120,949	124,650	120,300	105,789	99,207	107,459	109,393	100,709	
Austria	4,997	5,024	6,015	5,664	5,785	5,346	5,551	5,866	5,696	5,259	
Finland	2,693	2,816	2,830	2,854	2,940	3,005	2,809	2,854	2,637	2,761	
Norway (C)	968		936	868		711	732	627	666	620	E
Sweden (C)	2,693	2,563	2,882	1,847	1,108	1,028	1,859	2,188	2,650	2,650	E
Turkey						1,258			2,101	2,230	
Yugoslavia (C)	2,597	2,829	3,289	3,315	3,962	3,893	4,004	4,064	4,305	4,300	E
Other Western Europe	13,948	13,232	15,952	14,548	13,795	15,241	14,955	15,599	18,055	17,820	
Total Western Europe	143,345	132,754	136,901	139,198	134,095	121,030	114,162	123,058	127,448	118,529	
United States	31,740	32,786	32,900	25,298	26,269	16,414	16,415	17,177	16,264	17,800	
Japan	111,829	96,423	100,762	105,995	98,149	93,041	85,710	93,947	93,929	87,509	
TOTAL INDUSTRIAL CTS.	286,914	261,963	270,563	270,491	258,513	230,485	216,287	234,182	237,641	223,838	
Argentina	644	743	738	666	809	833	815	820	876	881	
Brazil	8,733	9,419	11,426	12,048	10,629	12,348	14,412	18,880	20,817	22,000	E
Colombia	301	381	321	406	315	338	361	259	324	320	
Mexico	1,300	1,479	1,485	1,214	1,157	1,097	1,096	1,136	1,187	1,190	
Venezuela	270	205	210	369	288	0	0	0	0	0	
Total Latin America	11,248	12,227	14,180	14,703	13,198	14,616	16,684	21,095	23,204	24,391	
India	6,388	6,128	5,979	5,902	7,039	7,600	7,480	8,102	8,115	6,903	
TOTAL DEVELOPING CTS.	17,636	18,355	20,159	20,605	20,237	22,216	24,164	29,197	31,319	31,294	
TOTAL WESTERN WORLD	304,550	280,318	290,722	291,096	278,750	252,701	240,451	263,379	268,960	255,132	
Czechoslovakia	14,956	15,678	15,227	15,527	15,007	14,747	14,315	13,587	14,008	14,150	
German Dem Rep	3,025	3,287	3,064	3,155	3,133	3,063	3,168	3,279	3,148	3,296	
Hungary	4,481	4,677	4,680	4,344	4,106	4,224	4,001	3,591	3,322	3,342	
Poland	14,569	18,318	17,970	17,714	14,366	13,168	14,632	15,127	14,586	15,618	
Romania	10,217	11,156	12,578	12,701	12,527	12,014	11,529	13,797	13,570	14,021	
USSR	158,195	159,564	157,427	153,818	154,657	151,846	151,000	151,000	147,400	151,300	
Total Eastern Europe	205,443	212,680	210,946	207,259	203,796	199,062	198,645	200,381	196,034	201,727	
WORLD TOTAL	509,993	492,998	501,668	498,355	482,546	451,763	439,096	463,760	464,994	456,859	

Totals are of available data only.
(C) - Consumption.

Table 22

DIRECT REDUCED IRON PRODUCTION

thousand metric tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
FR of Germany	393	199	352	484	419	484	322	70	100	100	170
Italy			10	10							
Sweden	0	0	0	0	0	10	30	20	20	0	0
Canada	300	360	650	908	880	963	497	538	500	740	690
United States	520	520	636	810	650	530	66	0	120	140	160
Japan		20	30	0							
New Zealand	100	100	120	150	150	150	160	150	170	170	260
South Africa	90	0	17	103	126	123	101	24	165	543	746
TOTAL INDUSTRIAL CTS.	1,403	1,199	1,815	2,465	2,225	2,260	1,176	802	1,075	1,693	2,026
Argentina	28	285	390	803	757	805	879	950	898	989	935
Brazil	262	358	288	324	275	226	227	255	245	285	295
Mexico	1,115	1,320	1,628	1,507	1,636	1,686	1,505	1,497	1,448	1,444	1,325
Peru	0	0	0	0	34	54	43	27	62	44	55
Trinidad & Tobago	0	0	0	0	0	187	237	284	239	203	337
Venezuela	0	145	276	1,069	1,635	1,797	2,153	2,380	2,486	2,635	2,938
Total Latin America	1,405	2,108	2,582	3,703	4,337	4,755	5,044	5,393	5,378	5,600	5,885
Egypt										0	30
Nigeria						0	73	156	142	242	109
Iran	0	0	150	0	0	0	0	0	0	30	0
Iraq			0	20	0	0	0	0	0	0	0
Qatar		0	80	320	420	459	452	390	500	490	490
Saudi Arabia							9	351	730	991	1,170
Burma					0	10	10	10	10	30	30
India					0	27	30	54	80	90	170
Indonesia		0	9	350	370	400	436	514	740	1,000	1,361
Malaysia								0	40	520	580
TOTAL DEVELOPING CTS.	1,405	2,108	2,821	4,393	5,127	5,651	6,054	6,868	7,620	8,993	9,825
TOTAL WESTERN WORLD	2,808	3,307	4,636	6,858	7,352	7,911	7,230	7,670	8,695	10,686	11,851
USSR							0	20	370	420	750
WORLD TOTAL	2,808	3,307	4,636	6,858	7,352	7,911	7,230	7,690	9,065	11,106	12,601

Totals are of available data only.

Table 23

SCRAP CONSUMPTION

thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	
Belgium	3,382	3,794	4,052	3,688	3,749	4,142	3,157	3,520	3,112	2,581	
Denmark	782	969	906	811	688	626	584	651	595	704	
France	7,513	8,181	8,111	7,936	7,294	6,419	6,259	6,473	6,449	6,466	
FR Germany	20,196	21,191	21,766	20,322	19,624	17,544	17,864	18,606	18,613	17,051	
Italy	15,086	16,236	16,264	17,985	16,147	15,371	14,389	15,635	15,543	14,646	
Luxembourg	1,411	1,762	1,785	1,577	1,323	1,315	1,368	1,685	1,598	1,491	
Netherlands	1,685	1,842	1,965	1,837	1,779	1,446	1,458	1,630	1,504	1,463	
Portugal	359	445	492	512	435	466	553	565	550	570	E
Spain	7,358	7,916	7,222	9,048	9,011	9,111	9,793	9,898	10,117	9,500	E
United Kingdom	15,685	15,524	15,368	9,296	10,363	9,557	9,635	9,619	8,369	7,826	
EC Total	73,457	77,860	77,931	73,012	70,413	65,997	65,060	68,282	66,450	62,298	
Austria	1,623	1,747	1,826	1,733	1,733	1,639	1,630	1,679	1,525	1,465	
Finland	720	755	743	769	732	688	708	754	760	759	
Norway	440	450	551	477	507	487	523	579	542	460	E
Sweden	2,430	2,605	2,762	2,572	2,563	2,853	2,925	3,200	3,100	2,700	
Turkey	650	750	650	650	800	1,224	1,575	1,500	1,771	2,500	E
Yugoslavia	1,743	2,040	2,061	2,075	2,108	2,037	2,208	2,250	2,250	2,477	
Other Western Europe	7,606	8,347	8,593	8,276	8,443	8,928	9,569	9,962	9,948	10,361	
Total Western Europe	81,063	86,207	86,524	81,288	78,856	74,925	74,629	78,244	76,398	72,659	
Canada	6,970	7,822	8,296	8,523	7,469	5,680	6,319	7,500	7,171	7,250	E
United States (1)	62,869	69,213	70,026	60,380	63,925	39,643	44,449	46,980	48,264	44,846	
Japan	34,606	39,409	45,624	43,809	39,592	38,857	40,160	43,485	44,166	40,260	
TOTAL INDUSTRIAL CTS.	185,508	202,651	210,470	194,000	189,842	159,105	165,557	176,209	175,999	165,015	
Czechoslovakia	7,453	7,414	7,655	8,523	7,479	7,426	7,861	7,579	7,685	7,640	
German Dem Rep	4,291	4,572	5,030	5,292	5,276	5,125	5,155	5,243	5,074	5,004	
Hungary	2,238	2,328	2,354	2,293	2,200	2,219	2,218	2,454	2,498	2,642	
Poland	10,054	11,356	10,521	10,720	8,707	8,149	8,887	8,736	8,609	9,135	
USSR (in OH,BOF only)	55,406	57,609	56,336	55,930	50,952	54,020	56,846	57,784	55,856	58,607	
Total Eastern Europe	79,442	83,279	81,896	82,758	74,614	76,939	80,967	81,796	79,722	83,028	
WORLD TOTAL	264,950	285,930	292,366	276,758	264,456	236,044	246,524	258,005	255,721	248,043	

(1) - excluding consumption in iron foundries.

Table 24

SCRAP EXPORTS

thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	
Belgium/Luxembourg	501	531	550	537	578	498	682	774	736	658	
Denmark	57	81	91	100	185	118	175	234	270	183	
France	3,358	3,663	3,526	3,312	3,184	3,082	3,227	4,105	3,961	3,161	
FR of Germany	2,481	2,765	2,998	3,077	3,407	2,867	2,977	3,268	3,407	3,418	
Greece	1	0	0	0	1	1	1	1	1	1	
Ireland	8	54	72	84	73	59	21	43	50	41	
Italy	11	7	13	8	23	17	18	19	10	7	
Netherlands	926	1,189	1,142	1,194	1,252	1,179	1,522	1,680	1,835	1,989	
Portugal	4	10	5	5	5	9	10	9	16	11	
Spain	0	1	0	1	1	1	1	4	1	0	
United Kingdom	938	1,565	1,338	2,805	3,367	3,073	3,794	4,316	4,520	3,837	
EC Total	8,285	9,866	9,735	11,123	12,076	10,904	12,428	14,453	14,807	13,306	
Austria	8	8	15	13	12	9	13	21	32	22	
Finland	3	1	3	0	0	0	0	10	10	0	
Norway	13	36	42	38	32	32	36	21	9	8	
Sweden	75	78	17	14	14	18	21	113	22	29	
Switzerland	62	88	100	64	128	105	149	107	100	100	E
Turkey	0	0	0	0	0	0	0	3	5	4	E
Yugoslavia	42	79	47	45	69	63	70	142	173	158	
Other	2	6	4	9	3	10	15	24	20	16	
Other Western Europe	205	296	228	183	258	237	304	441	371	337	
Total Western Europe	8,490	10,162	9,963	11,306	12,334	11,141	12,732	14,894	15,178	13,643	
Canada	697	874	1,033	785	573	628	875	795	842	839	
United States	5,602	8,199	10,028	10,132	5,820	6,172	6,822	8,617	8,951	10,617	
Japan	211	164	151	159	187	174	116	147	166	461	
Australia	550	486	576	708	498	554	588	445	379	0	
TOTAL INDUSTRIAL CTS.	15,550	19,885	21,751	23,090	19,412	18,669	21,133	24,898	25,516	25,560	
Hong Kong	227	286	344	330	364	297	320	300	300	300	E
India (E from 1978)	209	20	5	5	5	5	5	5	5	5	E
Indonesia	0	6	0	1	0	0	1	0	31	30	E
Republic of Korea	1	8	13	10	25	141	285	124	54	76	
Malaysia	5	5	5	10	12	6	5	5	5	5	E
Philippines	0	3	3	2	1	2	1	1	0	1	
Singapore	7	4	2	5	2	8	119	109	167	170	E
Taiwan (ROC)	35	156	72	13	124	414	355	283	445	252	
Thailand	0	0	0	1	1	8	1	4	4	4	E
TOTAL DEVELOPING CTS.	484	488	444	377	534	881	1,092	831	1,011	843	
TOTAL WESTERN WORLD	16,034	20,373	22,195	23,467	19,946	19,550	22,225	25,729	26,527	26,403	
Bulgaria	61	167	130	155	79	57	38	48	38	4	
German Dem Rep	13	13	14	7	7	7	8	10	5	5	E
Hungary	71	42	37	31	32	53	50	79	27	6	
Poland	1	0	0	0	0	0	0	0	0	0	
USSR(E:1977,1978)	1,800	1,800	1,988	2,505	2,681	2,859	3,370	3,407	3,315	3,300	E
Total Eastern Europe	1,946	2,022	2,169	2,698	2,799	2,976	3,466	3,544	3,385	3,315	
WORLD TOTAL	17,980	22,395	24,364	26,165	22,745	22,526	25,691	29,273	29,912	29,718	

Table 25

SCRAP IMPORTS

thousand metric tons

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Belgium/Luxembourg	493	979	970	859	956	887	1,045	1,672	1,490	1,222
Denmark	13	263	284	217	180	88	67	132	48	121
France	287	394	422	456	347	276	307	407	461	353
FR of Germany	1,435	1,560	1,619	1,511	1,343	1,296	1,298	1,765	1,616	1,381
Greece	93	198	230	239	288	434	520	328	313	455
Ireland	2	9	5	8	4	2	70	88	136	122
Italy	5,825	6,566	6,891	7,410	5,540	5,571	4,446	5,486	5,777	4,746
Netherlands	114	165	123	154	238	221	364	478	586	849
Portugal	95	663	146	149	85	125	108	120	105	103
Spain	1,993	2,550	3,452	4,386	4,005	4,762	4,742	5,018	6,147	4,340
United Kingdom	100	43	44	25	21	37	11	34	50	47
EC Total	10,450	13,390	14,186	15,414	13,007	13,699	12,978	15,528	16,729	13,739
Austria	80	115	135	143	170	381	219	363	239	115
Finland	63	22	89	106	62	51	37	33	113	64
Norway	18	10	7	53	24	4	15	13	11	6
Sweden	33	118	130	76	247	529	450	839	885	698
Switzerland	58	87	179	137	113	107	147	273	240	240 E
Turkey	300	323	362	346	525	748	1,074	1,038	1,550	1,629 E
Yugoslavia	409	402	265	396	479	508	738	781	729	651
Other Western Europe	961	1,077	1,167	1,257	1,620	2,328	2,680	3,340	3,767	3,403
Total Western Europe	11,411	14,467	15,353	16,671	14,627	16,027	15,658	18,868	20,496	17,142
Canada	584	954	1,049	1,015	838	501	669	1,137	578	395
United States	567	720	690	506	571	430	581	524	554	656
Japan	1,440	3,229	3,346	2,986	1,791	2,025	3,906	4,018	3,254	3,224
TOTAL INDUSTRIAL CTS.	14,002	19,370	20,438	21,178	17,827	18,983	20,814	24,547	24,882	21,417
Mexico (1978-1983:E)	356	500	740	1,050	820	350	380	454	660	456
Hong Kong	41	126	105	93	94	64	27	28	20	20 E
India	56	221	81	99	596	591	804	800	1,000	1,000 E
Indonesia	47	81	30	39	62	219	261	243	191	190 E
Republic of Korea	1,636	1,932	1,944	1,910	1,661	2,424	3,185	3,216	3,532	3,951
Malaysia	5	5	5	5	5	5	5	5	5	5 E
Philippines	62	79	95	9	9	25	0	2	1	85
Singapore	23	93	109	172	78	93	95	79	38	35 E
Taiwan (ROC)	571	622	761	1,232	883	673	768	609	715	1,241
Thailand	444	802	615	338	417	390	641	494	658	660 E
TOTAL DEVELOPING CTS.	3,241	4,461	4,485	4,947	4,625	4,834	6,166	5,930	6,820	7,643
TOTAL WESTERN WORLD	17,243	23,831	24,923	26,125	22,452	23,817	26,980	30,477	31,702	29,060
German Dem Rep	496	546	708	908	693	455	672	1,035	886	986
Hungary	2	3	6	4	144	14	28	20	14	8
Poland	34	9	6	227	53	5	5	7	5	5
Romania	0	8	10	56	0	0	0	0	0	0
Total Eastern Europe	532	566	730	1,195	890	474	705	1,062	905	999
WORLD TOTAL	17,775	24,397	25,653	27,320	23,342	24,291	27,685	31,539	32,607	30,059

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

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. Austria and Australia have been omitted from this issue as no data is available on recent years.

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 the United Kingdom, Japan, Republic of Korea and Taiwan (ROC), calculations made by the national statistical authorities were available, and were used in the table. Particularly in the case of Taiwan (ROC) there is a significant quantity included from the re-rolling of secondary material.

12-13 The finished steel consumption figures, other than those marked (D), were calculated by multiplying crude steel production by $(1+0.175c)/1.3$, where c is the continuous cast proportion of domestic steel output. For importers with little or no domestic production, world average factors were used. The apparent domestic supply figures were calculated simply by subtracting net imports from the apparent consumption figures. Differences from reported delivery figures arise from the re-rolling of secondary material, inventory changes, yield differences, and the procedure adopted by the national statistical authority to avoid double counting when imported material is further worked by the domestic industry, as well as from differences in their definition of the industry and its range of products.

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, SEASI and APEF have been used.

International Iron and Steel Institute

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 98 percent of 1986 world crude steel production excluding that of the USSR and other members of the Council for Mutual Economic Assistance (CMEA), the People's Republic of China and DPR 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.

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