

MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

Report to the Subcommittee on
Trade, Committee on Ways
and Means, on Investigation
No. 332-226 Under Section
332 of the Tariff Act
of 1930

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Washington, DC 20436**



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The Special Quality Bar Market

The major domestic bar mills have staked their future on the special quality bar market (SBQ), the high end of the bar market accounting for approximately 40 percent of domestic bar consumption and in the neighborhood of \$2-\$3 billion in domestic shipments. Special quality bar is primarily (60 percent) hot-rolled carbon steel bar which exhibits superior metallurgical or surface properties, with cold-finished and alloy bars accounting for the balance. Major consumers of special quality bar are the forging, automotive, machinery and equipment, and petrochemical industries.

Domestic Supply

The rebound of the domestic forging industry since 1986 has significantly improved the attractiveness of the SBQ market. As shown in the tabulation below, domestic demand for SBQ grew little during 1983-86 as increased demand from domestic automakers was offset by decreased demand from the forging and petroleum industries. Beyond 1989, industry officials do not expect continued growth in shipments since increased applications of SBQ are likely to be balanced by downsizing in the auto industry.

<u>Period</u>	<u>Shipments 1/</u>	<u>Imports</u>	<u>Exports</u>	<u>Apparent consumption</u>	<u>Import penetration</u>
	-----short tons-----				percent
1983	6,456,097	609,490	106,744	6,958,843	8.8
1984	6,824,833	1,052,572	105,659	7,771,746	13.5
1985	6,657,933	932,298	74,997	7,515,234	12.4
1986	6,728,949	780,042	52,170	7,456,821	10.5
1987	7,232,458	797,058	64,689	7,964,827	10.0
1988	7,775,524	878,173	89,717	8,563,980	10.3
Jan.-May					
1988	3,445,495	357,750	32,161	3,771,084	9.5
1989	3,402,730	404,575	39,464	3,767,841	10.7

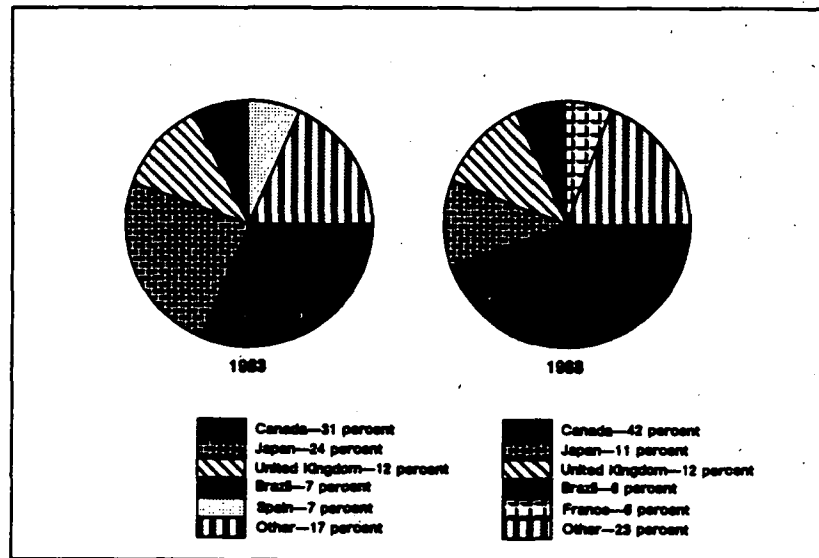
1/ SBQ shipments are not provided for separately by the industry. SBQ shipments are approximated by aggregating shipments of hot-rolled and cold-finished carbon and alloy bars (excluding reinforcing bar, stainless steel bar, and bars with cross-sections of 3 inches or more). Commission staff estimates that domestic shipments of SBQ are overstated by 15 to 20 percent in this manner.

The majority of SBQ shipments are from large mills, although a small number of minimills (most notably, MacSteel and North Star) have been active in the SBQ market. Several factors indicate that large domestic mills are well-positioned to maintain their market dominance. For technical reasons, the continuous casters typically found in minimills are not optimal for producing alloy steel whereas batch production of alloy steel, as done by the major mills, usually results in superior metallurgical characteristics. Additionally, minimill rolling of SBQ from billets reduces the machinability of the final product; large mills usually roll SBQ from blooms, which are larger than billets. Other obstacles confronting the minimills are their relative inexperience in marketing SBQ and commitments made by large mills to the SBQ market, as evidenced by modernization programs costing \$100-\$400 million.

Imports have a relatively limited share of the domestic SBQ market (10 percent compared to nearly 20 percent for the entire steel industry) largely because the rigid specifications for SBQ necessitate constant interaction between supplier and consumer. Import penetration, however, is marginally higher for SBQ than for the entire bar market (which consistently has the lowest import penetration ratio of all major steel mill products) as a result of the relatively high cost of SBQ (\$400-\$600 per ton) compared to merchant bar (\$250-\$350); transportation costs are proportionately smaller for SBQ.

During the 1980s, Canada has been the most significant foreign supplier of SBQ to the domestic market, followed by Japan and the United Kingdom. As shown in figure A, Canada's gain in U.S. market share has been nearly offset by the decline in Japan's share.

Figure A



Source: American Iron and Steel Institute, Annual Statistical Reports, 1983-88.

It appears that Japan's share of the U.S. market will continue to decline. Since 1985, the appreciation of the yen has lessened the price competitiveness of Japanese SBQ in the U.S. market. Japanese carmakers located in the United States (transplants) have decided to increase the domestic content of their product, noting that the switch to domestically-produced SBQ will increase the domestic content of their U.S.-made autos from 60 percent to 75 percent. Reflecting this decision, Honda of America recently awarded SBQ supply contracts to Copperweld, Timken, and LTV; Toyota and Nissan are expected to announce similar contracts soon. In addition, Japanese ventures with U.S. steel companies have reportedly encouraged the transplants to source SBQ from U.S. mills. Examples of these ventures are Copperweld's partnership with Daido Steel Co. and LTV's partnership with Sumitomo Metal Industries. Moreover, US Steel recently formed a joint venture for bar production with Kobe Steel, Japan's largest bar producer.

Richard Brown
252-1438

Monthly Summary
Subject Index

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Trade with VRA and non-VRA countries; product trade assessment-----	1852	6/86
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Imports of semifinished steel-----	1887	8/86
Imports of pipe and tube-----	1894	9/86
Imports of carbon and alloy wire-----	1901	10/86
Imports of wire products-----	1913	11/86
Imports of specialty steel products-----	1933	12/86
Imports of carbon and alloy sheet and strip; VRA developments with South Africa and Austria; Taiwan-----	1942	1/87
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The domestic iron and steel scrap market-----	2072	4/88
Fabricated structural steel-----	2074	5/88
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Pipe and tube products-----	2092	7/88
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Subject Index

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Wire rod-----	2202	7/89
Steel prices-----	2134	8/89
Special quality steel bars-----	2215	9/89

Preface

On April 9, 1986, at the request of the Subcommittee on Trade, Committee on Ways and Means, U.S. House of Representatives, and in accordance with the provisions of section 332(b) of the Tariff Act of 1930 (19 U.S.C. 1332(b)), the United States International Trade Commission instituted investigation No. 332-226, Monthly Reports on the Status of the Steel Industry. The purpose of the reports is to monitor developments in the steel industry through September 1989, which corresponds with the President's program of voluntary restraint arrangements (VRA's) with certain countries and regions which export steel to the United States.

Background of VRA's

On September 18, 1984, the President determined, under section 202(b)(1) of the Trade Act of 1974, that taking "escape clause" action was not in the national economic interest (49 Federal Register 36813). The decision followed an investigation conducted by the Commission in which imports of certain steel products ^{1/} were found to be a substantial cause of serious injury, or threat thereof, to certain domestic industries (investigation No. TA-201-51). Instead of taking action under the statute, the President established a nine-point policy to address the concerns of the industry. Under this policy, the President directed the United States Trade Representative to negotiate voluntary restraint arrangements to cover a five year period (from October 1, 1984 through September 30, 1989) with countries whose exports to the United States had increased significantly in recent years due to an unfair surge in imports. These measures were expected to return the share of imports in the U.S. market to a more normal level of approximately 18.5 percent, excluding semifinished steel (which, subsequent Administration statements indicate, would be limited to about 1.7 million tons per year).

Specialty steel

On July 19, 1983, the President announced his decision to grant import relief to the specialty steel industry for a period of 4 years (53 Federal Register 52897). The relief was scheduled to expire on July 19, 1987. Under the relief, quotas were put on imports of stainless steel bars, stainless steel wire rods, and certain alloy tool steel products; increased duties were imposed on stainless steel plates and stainless steel sheets and strip. On July 16, 1987, the President announced his decision to extend the import relief in the form currently in effect for a period from July 20, 1987 through September 30, 1989. Under the steel VRA's, in return for their agreement to limit exports of stainless steel plates and sheets and strip, the VRA countries were exempted

^{1/} Affirmative decisions were rendered in the case of semifinished steel, plates, sheets and strip, wire and wire products, and structural shapes and units. Negative determinations were rendered in the case of wire rod, railway type products, bars, and pipes and tubes.

from having to pay additional duties (with the exception of Finland, whose VRA does not include stainless steel flat-rolled products); quotas were unaffected by the VRA's for all countries except the EC-10, which negotiated limits on rods, bars, and alloy tool steel as part of its VRA, Brazil whose VRA now includes the specialty steel products subject to quotas, and Austria, which included alloy tool steel in its VRA.

In this report trade data are reported in a similar format for all product categories; in the case of stainless steel bars, stainless steel rods, and certain alloy tool steel products, however, it should be noted that, except for the EC-10 and Austria, all countries are bound by quotas (see App. C for a description of the specialty steel relief provisions and implementation of modifications in specialty steel import relief).

Current Status of VRA's

To date VRA's have been negotiated with 19 countries and the EC (excluding Portugal and Spain, which negotiated separate agreements). The agreements have taken the form of market share arrangements and quotas, or a combination thereof. The agreements are tailored to each country, with considerable variation in the number of individual product categories subject to limitation. Following is a list of countries subject to the VRA's and estimates of their respective overall limitations on a market share basis.

Countries Subject to VRA'sMarket share agreements:Overall 1989 import share 1/
(% of U.S. apparent consumption)

Australia	0.19
Austria	0.16
Brazil	1.09
EC	4.4
Finland	0.17
Japan	6.8
Mexico	0.31
South Africa 2/	0.0
South Korea	2.2
Spain	0.52

Quota level for 1989 in short tons and as a
share of apparent U.S. consumption
(estimated) 3/Quota agreements

	(Short tons)	(Percent)
Czechoslovakia	29,338	0.03
East Germany	82,500	0.09
Hungary	25,500	0.03
Poland	69,373	0.07
Portugal	20,000	0.02
Romania	76,426	0.08
Trinidad and Tobago	43,984	0.05
Venezuela	130,334	4/ 0.10
Yugoslavia	18,900	0.02
People's Republic of China	57,000	0.06

Semifinished steel agreementsQuota level for 1989 (short tons)

Australia	37,500
Brazil	525,000
EC	502,500
Finland	11,250
Japan	75,000
Mexico	75,000
South Africa 2/	0
South Korea	37,500
Spain	37,500
Trinidad and Tobago	2,625
Venezuela	30,000

1/ Including semifinished steel for all countries. Estimates based on first 9 months of 1989.

2/ Steel imports from South Africa are reduced by the Comprehensive Anti-Apartheid Act of 1986 which embargoes certain steel products.

3/ Including semifinished steel, except as noted. Estimates based on first 9 months of 1989.

4/ Excluding semifinished steel.

5/ No more than 461,250 net tons may be slab.

Notes on Product Coverage and Methodology

Data on foreign trade imports and exports and domestic shipments are compiled from official statistics of the U.S. Department of Commerce, and statistics of the American Iron and Steel Institute (AISI), respectively.

The products on which foreign trade data are collected correspond to those covered by the VRA's with the stainless steel wire strand (HS item 7312.10.0500), stainless steel wire rope (HS item 7312.10.5000), and those subject to limitation under separate specialty steel measures. Since the VRA's include certain fabricated products, the data may exceed that compiled by other organizations such as the AISI. The additional tonnage, however, is relatively small. In 1987 AISI reported imports of 20.4 million tons, which compares to the 20.9 million tons indicated in this report. The product categories most affected are structural shapes and units (which includes fabricated structurals in this report) and wire and wire products (which includes wire rope and wire strand).

The term EC in this report does not include Portugal and Spain, which are subject to separate VRA's.

Unit values are calculated using unrounded data. Import values are customs value. Trade data include imports under sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedules; the 9802.0060 and 9802.0080 provisions apply to U.S. merchandise which is exported, processed, and reimported into the United States.

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Table 1.--Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales 1984-88 and specified periods 1988 and 1989

Item	1984	1985	1986	1987	1988	January-May	
						1988	1989
Raw steel:							
Production (1,000 short tons).....	92,528	88,259	81,606	88,472	99,328	50,370	51,295
Capability utilization (percent).....	68.4	66.1	63.8	78.9	88.7	90.3	89.2
Continuously cast (percent).....	39.6	44.4	55.2	52.5	60.5	59.8	62.8
Employment:							
Total (thousands).....	236	208	175	163	169	170	169
Receiving wages (thousands).....	171	151	128	121	125	126	125
Hourly employment cost <u>1</u> / (dollars).....	21.30	22.81	23.5	23.70	24.65	24.68	24.62
Steel:							
Shipments (1,000 short tons).....	73,740	73,043	64,947	76,473	83,815	42,167	43,791
Imports (1,000 short tons).....	26,705	24,885	21,289	20,938	21,869	11,528	9,047
Exports (1,000 short tons).....	1,081	992	980	1,176	2,152	671	2,291
Apparent consumption (1,000 short tons)....	99,363	96,591	90,026	95,759	103,532	53,024	50,546
Ratio of imports to consumption (percent)..	26.9	25.8	23.6	21.3	21.1	21.7	17.9
Financial:							
All operations:							
Net sales (million dollars).....	53,619	53,651	41,912	<u>3</u> / 32,314	<u>4</u> /	<u>4</u> /	<u>4</u> /
Net income (million dollars).....	(301)	(1,210)	(6,094)	<u>3</u> / 1,121	<u>4</u> /	<u>4</u> /	<u>4</u> /
Ratio of net sales to income (percent)....	(0.6)	(2.3)	(14.5)	<u>3</u> / 3.7	<u>4</u> /	<u>4</u> /	<u>4</u> /
Steel operations:							
Net steel sales (million dollars).....	30,132	29,473	24,891	19,752	<u>3</u> / 24,486	<u>5</u> / 7,914	<u>5</u> / 8,249
Net steel income (million dollars).....	(186)	(1,743)	(4,203)	988	<u>3</u> / 2,476	<u>5</u> / 712	<u>5</u> / 663
Ratio of net sales to income (percent)....	(0.6)	(5.9)	(16.9)	5	<u>3</u> / 10.1	<u>5</u> / 9	<u>5</u> / 8

1/ Preliminary.

2/ Total employment costs (including benefits) of employees receiving wages.

3/ January-September.

4/ Not available.

5/ First quarter of the year.

Source: Compiled from data of the American Iron & Steel Institute and official statistics of the U.S. Department of Commerce.

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-June	
						1988	1989
All grades of steel:							
Semifinished-----	1,306,044	1,374,524	1,388,649	2,095,599	1,746,267	859,326	1,030,949
Plate-----	4,338,993	4,327,347	3,531,806	4,065,183	7,361,445	3,617,202	3,738,234
Sheet and strip-----	40,878,749	40,850,298	40,055,641	43,288,266	44,707,915	22,676,466	23,728,177
Bars & certain shapes 1/--	13,232,473	12,667,539	12,101,642	12,937,033	14,618,068	7,041,766	7,394,217
Wire rod-----	3,090,036	2,961,769	3,493,632	3,838,788	4,044,688	2,012,258	2,179,428
Wire-----	962,726	874,135	797,859	786,963	1,072,698	568,199	555,227
Wire products-----	259,616	262,268	278,068	304,761	3/	3/	3/
Structural shapes & units	4,156,233	4,698,305	4,815,432	5,081,809	5,313,459	2,706,215	2,851,774
Rails & related products--	1,238,900	931,313	647,697	504,561	507,278	301,783	325,608
Pipe and tube-----	4,275,759	4,095,825	2,836,458	3,569,647	4,443,251	2,359,615	1,987,007
Total-----	73,739,529	73,043,323	69,946,884	76,472,610	83,815,069	42,166,949	43,790,621
Carbon & certain alloy 2/ steel:							
Semifinished-----	1,266,364	1,327,766	1,339,062	2,018,535	1,828,600	817,699	987,041
Plate-----	4,223,128	4,185,883	3,415,947	3,906,102	7,178,573	3,530,843	3,644,854
Sheet and strip-----	40,058,979	40,018,167	39,256,239	42,347,623	43,663,695	22,132,286	23,195,668
Bars & certain shapes-----	13,031,564	12,478,002	11,926,843	12,753,157	14,414,095	6,935,566	7,290,399
Wire rod-----	3,038,112	2,931,897	3,457,233	3,791,034	3,986,930	1,980,681	2,158,145
Wire-----	933,382	851,841	773,204	760,229	1,043,112	553,447	540,710
Wire products-----	259,616	262,268	278,068	304,761	3/	3/	3/
Structural shapes & units	4,156,233	4,698,305	4,815,432	5,081,809	5,313,459	2,706,215	2,851,774
Rails & related products--	1,238,900	931,313	647,697	504,561	507,278	301,783	325,608
Pipe and tube-----	4,224,071	4,046,771	2,794,218	3,527,867	4,387,741	2,332,290	1,960,748
Total-----	72,430,349	71,732,213	68,703,943	74,995,678	82,323,503	41,314,929	42,954,947
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	39,680	46,758	49,587	77,064	79,953	41,627	43,908
Plate-----	115,865	141,464	115,859	159,081	182,872	86,359	93,380
Sheet and strip-----	819,770	832,131	799,402	940,643	1,044,220	544,180	532,509
Bars & certain shapes-----	139,980	129,267	119,024	125,441	139,696	74,288	69,667
Wire rod-----	51,924	29,872	36,399	47,754	57,758	31,577	21,283
Wire-----	29,344	22,294	24,655	26,734	29,586	14,752	14,517
Pipe and tube-----	51,688	49,054	42,240	41,780	55,490	27,325	26,259
Tool steel (all forms)-----	60,929	60,270	55,775	58,435	64,277	31,912	34,151
Total-----	1,309,180	1,311,110	1,242,941	1,476,932	1,653,852	852,020	835,674

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute.

Table 3.--Steel mill products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-June	
						1988	1989
All grades of steel:							
Semifinished	1,632,065	2,440,368	2,084,322	2,288,995	2,844,979	1,609,366	1,110,017
Plate	1,782,050	1,772,309	1,456,790	1,566,694	1,872,937	1,002,854	699,562
Sheet and strip	10,332,032	9,046,089	8,278,604	7,875,891	7,303,964	3,724,148	3,037,266
Bars & certain shapes 1/	1,722,313	1,550,559	1,476,368	1,359,758	1,445,932	694,254	661,640
Wire rod	1,589,788	1,476,145	1,362,753	1,467,030	1,493,833	813,380	591,457
Wire	671,829	612,485	582,022	555,981	540,380	285,497	266,830
Wire products	738,680	674,960	636,591	649,377	572,451	289,545	357,550
Structural shapes & units	2,432,694	2,440,403	2,179,657	2,153,669	2,188,467	1,147,387	974,768
Rails & related products	373,890	382,046	275,710	245,988	319,432	143,067	173,893
Pipe and tube	5,429,839	4,489,287	2,956,303	2,775,091	3,286,690	1,818,340	1,174,078
Total	26,705,180	24,884,651	21,289,120	20,938,474	21,869,065	11,527,838	9,047,061
Carbon & certain alloy 2/ steel:							
Semifinished	1,618,365	2,430,078	2,066,700	2,232,270	2,782,572	1,580,726	1,070,013
Plate	1,774,614	1,760,812	1,440,375	1,555,577	1,857,090	995,719	690,315
Sheet and strip	10,194,435	8,910,469	8,127,033	7,746,596	7,185,380	3,665,249	2,971,828
Bars & certain shapes	1,652,025	1,475,447	1,393,731	1,281,168	1,361,113	649,414	596,873
Wire rod	1,570,952	1,456,078	1,344,256	1,448,720	1,474,623	803,772	580,655
Wire	649,126	590,317	564,481	536,897	519,727	276,077	254,859
Wire products	738,680	674,960	636,591	649,377	572,451	289,545	357,550
Structural shapes & units	2,432,694	2,440,403	2,179,657	2,153,669	2,188,467	1,147,387	974,768
Rails & related products	373,890	382,046	275,710	245,988	319,432	143,067	173,893
Pipe and tube	5,399,642	4,457,277	2,923,029	2,748,644	3,249,937	1,797,317	1,153,343
Total	26,404,423	24,577,887	20,951,563	20,598,906	21,510,792	11,348,273	8,824,097
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	13,700	10,290	17,622	56,725	62,407	28,640	40,004
Plate	7,436	11,497	16,415	11,118	15,847	7,135	9,247
Sheet and strip	137,597	135,620	151,571	129,295	118,584	58,899	65,438
Bars & certain shapes	38,234	37,970	37,888	37,991	40,724	20,785	15,614
Wire rod	18,835	20,067	18,496	18,311	19,210	9,608	10,801
Wire	22,703	22,169	17,541	19,084	20,653	9,420	11,972
Pipe and tube	30,197	32,009	33,274	26,448	36,752	21,023	20,735
Tool steel (all forms)	32,054	37,142	44,749	40,599	44,095	24,055	49,153
Total	300,756	306,764	337,556	339,571	358,272	179,565	222,964

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 4.--Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-June	
						1988	1989
All grades of steel:							
Semifinished-----	73,536	89,708	58,885	73,543	61,430	21,894	100,909
Plate-----	88,184	82,988	69,565	96,538	119,393	51,807	418,801
Sheet and strip-----	389,577	375,396	507,420	556,991	1,374,056	359,357	1,198,044
Bars & certain shapes 1/--	133,595	99,096	81,224	121,869	141,461	59,328	111,971
Wire rod-----	8,646	4,740	5,876	8,217	10,161	4,728	16,551
Wire-----	19,979	19,146	26,760	26,669	36,668	14,685	15,647
Wire products-----	22,085	19,253	24,731	23,257	27,847	11,680	9,960
Structural shapes & units--	119,256	89,031	71,525	101,373	111,614	53,612	128,237
Rails & related products--	19,079	13,430	13,131	15,755	18,855	10,559	42,756
Pipe and tube-----	207,426	199,258	121,050	152,155	250,390	83,503	248,593
Total-----	1,081,363	992,046	980,167	1,176,367	2,151,875	671,153	2,291,469
Carbon & certain alloy 2/ steel:							
Semifinished-----	72,285	82,650	57,932	71,362	58,598	19,210	96,602
Plate-----	84,813	74,957	66,042	92,057	107,546	45,066	414,426
Sheet and strip-----	369,495	349,620	477,803	501,010	1,328,485	337,764	1,168,919
Bars & certain shapes-----	126,090	89,241	72,134	111,619	124,911	52,582	89,700
Wire rod-----	7,918	3,716	5,049	6,889	8,676	4,281	14,015
Wire-----	17,524	17,182	24,033	22,863	32,209	13,204	14,194
Wire products-----	22,085	19,253	24,731	23,257	27,847	11,680	9,960
Structural shapes & units--	119,256	89,031	71,525	101,373	111,614	53,612	128,237
Rails & related products--	19,079	13,430	13,131	15,755	18,855	10,559	42,756
Pipe and tube-----	199,778	193,309	118,010	143,405	244,192	80,902	244,080
Total-----	1,038,323	932,389	930,390	1,089,590	2,062,933	628,860	2,222,889
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	1,251	7,058	953	2,181	2,833	2,683	4,307
Plate-----	3,371	8,031	3,523	4,481	11,847	6,741	4,374
Sheet and strip-----	20,081	25,776	29,617	55,981	45,571	21,592	29,124
Bars & certain shapes-----	5,178	7,762	6,946	7,189	12,047	4,582	8,954
Wire rod-----	728	1,024	828	1,328	1,486	447	2,536
Wire-----	2,455	1,964	2,728	3,806	4,459	1,481	1,453
Pipe and tube-----	7,648	5,948	3,040	8,751	6,198	2,602	4,514
Tool steel (all forms)----	2,326	2,094	2,144	3,061	4,502	2,164	13,316
Total-----	43,038	59,657	49,779	86,778	88,943	42,292	68,578

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 5.--Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1984-1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1984	1985	1986	1987	1988	January-June	
						1988	1989
All grades of steel¹:							
Semifinished-----	2,864,573	3,725,184	3,414,086	4,311,051	4,529,816	2,446,798	2,040,057
Plate-----	6,032,859	6,016,668	4,919,031	5,535,339	9,114,989	4,568,249	4,018,995
Sheet and strip-----	50,821,204	49,520,991	47,826,825	50,607,166	50,637,823	26,041,257	25,567,399
Bars & certain shapes 1/-----	14,821,191	14,119,002	13,496,786	14,174,922	15,922,539	7,676,692	7,943,886
Wire rod-----	4,671,178	4,433,174	4,850,509	5,297,601	5,528,360	2,820,910	2,754,334
Wire-----	1,614,576	1,467,474	1,353,121	1,316,275	2,121,014	1,140,995	1,154,000
Wire products-----	976,211	917,975	889,928	930,881	3/	3/	3/
Structural shapes & units-----	6,469,671	7,049,677	6,923,564	7,134,105	7,390,312	3,799,990	3,698,305
Rails & related products-----	1,593,711	1,299,929	910,276	734,794	807,855	434,291	456,745
Pipe and tube-----	9,498,172	8,385,854	5,671,711	6,192,583	7,479,551	4,094,452	2,912,492
Total-----	99,363,346	96,935,928	90,255,837	96,234,717	103,532,259	53,023,634	50,546,213
Carbon & certain alloy 2/ steel:							
Semifinished-----	2,812,444	3,675,194	3,347,830	4,179,443	4,552,574	2,379,215	1,960,452
Plate-----	5,912,929	5,871,738	4,790,280	5,369,622	8,928,117	4,481,496	3,920,743
Sheet and strip-----	49,883,919	48,579,016	46,905,469	49,593,209	49,520,590	25,459,771	24,998,577
Bars & certain shapes-----	14,557,499	13,864,208	13,248,440	13,922,706	15,650,297	7,532,398	7,797,572
Wire rod-----	4,601,146	4,384,259	4,796,440	5,232,865	5,452,877	2,780,172	2,724,785
Wire-----	1,564,984	1,424,976	1,313,652	1,274,263	2,075,234	1,118,304	1,128,965
Wire products-----	976,211	917,975	889,928	930,881	3/	3/	3/
Structural shapes & units-----	6,469,671	7,049,677	6,923,564	7,134,105	7,390,312	3,799,990	3,698,305
Rails & related products-----	1,593,711	1,299,929	910,276	734,794	807,855	434,291	456,745
Pipe and tube-----	9,423,935	8,310,739	5,599,237	6,133,106	7,393,506	4,048,705	2,870,011
Total-----	97,796,449	95,377,711	88,725,116	94,504,994	101,771,362	52,034,342	49,556,155
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	52,129	49,990	66,256	131,608	139,527	67,584	79,605
Plate-----	119,930	144,930	128,751	165,718	186,872	86,753	98,253
Sheet and strip-----	937,286	941,975	921,356	1,013,957	1,117,233	581,487	568,823
Bars & certain shapes-----	173,036	159,475	149,966	156,243	168,373	90,491	76,327
Wire rod-----	70,031	48,915	54,067	64,737	75,482	40,738	29,548
Wire-----	49,592	42,499	39,468	42,012	45,780	22,691	25,036
Pipe and tube-----	74,237	75,115	72,474	59,477	86,044	45,746	42,480
Tool steel (all forms)-----	90,657	95,318	98,380	95,973	103,870	53,803	69,988
Total-----	1,566,898	1,558,217	1,530,718	1,729,725	1,923,181	989,293	990,060

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 6.--Steel mill products and certain fabricated steel products: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1984-1988, and by specific periods, 1988 and 1989

(Percent)

Item	1984	1985	1986	1987	1988	January-June	
						1988	1989
All grades of steel:							
Semifinished	57.0	65.5	61.1	53.1	62.8	65.8	54.4
Plate	29.5	29.5	29.6	28.3	20.5	22.0	17.4
Sheet and strip	20.3	18.3	17.3	15.6	14.4	14.3	11.9
Bars & certain shapes 1/	11.6	11.0	10.9	9.6	9.1	9.0	8.3
Wire rod	34.0	33.3	28.1	27.7	27.0	28.8	21.5
Wire	41.0	41.0	43.0	42.0	39.0	95.0	0.0
Wire products	75.7	73.5	71.5	69.8	3/	3/	3/
Structural shapes & units	37.6	34.6	31.5	30.2	29.6	30.2	26.4
Rails & related products	23.5	29.4	30.3	33.5	39.5	32.9	38.1
Pipe and tube	57.2	53.5	52.1	44.8	43.9	44.4	40.3
Total	26.9	25.7	23.6	21.8	21.1	21.7	17.9
Carbon & certain alloy 2/ steel:							
Semifinished	57.5	66.1	61.7	53.4	61.1	66.4	54.6
Plate	30.0	30.0	30.1	29.0	20.8	22.2	17.6
Sheet and strip	20.4	18.3	17.3	15.6	14.5	14.4	11.9
Bars & certain shapes	11.3	10.6	10.5	9.2	8.7	8.6	7.7
Wire rod	34.1	33.2	28.0	27.7	27.0	28.9	21.3
Wire	41.0	41.0	43.0	42.0	39.0	4.0	65.0
Wire products	75.7	73.5	71.5	69.8	3/	3/	3/
Structural shapes & units	37.6	34.6	31.5	30.2	29.6	30.2	26.4
Rails & related products	23.5	29.4	30.3	33.5	39.5	32.9	38.1
Pipe and tube	57.3	53.6	52.2	44.8	44.0	44.4	40.2
Total	27.0	25.8	23.6	21.8	21.1	21.8	17.8
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	26.3	20.6	26.6	43.1	44.7	42.4	50.3
Plate	6.2	7.9	12.7	6.7	8.5	8.2	9.4
Sheet and strip	14.7	14.4	16.5	12.8	10.6	10.1	11.5
Bars & certain shapes	22.1	23.8	25.3	24.3	24.2	23.0	20.5
Wire rod	26.9	41.0	34.2	28.3	25.4	23.6	36.6
Wire	45.8	52.2	44.4	45.4	45.1	41.5	47.8
Pipe and tube	40.7	42.6	45.9	44.5	42.7	46.0	48.8
Tool steel (all forms)	35.4	39.0	45.5	42.3	42.5	44.7	70.2
Total	19.2	19.7	22.1	19.6	18.6	18.2	22.5

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987		1988		January--June	
					1988	1989
Quantity (short tons)						
VRA countries:						
Australia -----	155,112	282,085	124,246	160,860		
Austria -----	119,666	138,101	58,166	31,939		
Brazil -----	1,152,972	1,476,896	804,777	757,948		
Czechoslovakia -----	29,792	37,301	19,096	1,834		
East Germany -----	95,910	92,239	45,897	30,912		
EC countries-----	5,314,371	5,766,991	2,795,632	2,355,569		
Finland -----	174,889	212,989	93,825	121,371		
Hungary -----	27,064	30,094	16,840	12,062		
Japan -----	4,384,621	4,343,898	2,229,728	1,919,385		
Mexico -----	491,204	488,367	252,699	168,608		
Peoples Rep of China -----	51,107	68,840	33,327	27,169		
Poland -----	91,936	89,648	65,720	32,563		
Portugal -----	31,087	22,739	15,156	3,837		
Romania -----	82,408	102,548	74,194	22,046		
Republic of South Africa -----	30,015	1,693	1,693	394		
Korea, Republic of -----	1,434,872	1,572,602	855,703	582,846		
Spain -----	520,988	486,490	246,219	273,318		
Trinidad and Tobago -----	62,575	31,518	15,404	15,264		
Venezuela -----	170,571	169,383	109,809	37,337		
Yugoslavia -----	15,394	12,751	7,087	4,010		
Total-----	14,436,554	15,427,173	7,865,218	6,559,272		
Other countries:						
Canada -----	3,809,440	3,430,920	1,856,856	1,686,921		
Sweden -----	609,367	575,055	412,879	165,459		
Argentina -----	346,494	558,011	386,760	76,932		
Turkey -----	407,413	307,985	208,659	116,518		
Indonesia -----	235,573	281,142	142,935	46,704		
Taiwan -----	263,415	252,112	124,421	87,555		
Norway -----	154,231	181,502	108,816	51,560		
Thailand -----	120,179	160,364	89,787	38,874		
Singapore -----	144,538	153,164	59,429	40,408		
India -----	60,774	100,261	59,250	62,870		
All others-----	350,496	441,375	212,826	113,989		
Total-----	6,501,920	6,441,891	3,662,618	2,487,790		
Grand total-----	20,938,474	21,869,064	11,527,836	9,047,062		

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	70,374	118,494	52,897	67,322
Austria -----	58,007	82,907	36,207	28,259
Brazil -----	328,749	463,632	237,886	256,391
Czechoslovakia -----	7,156	12,019	5,748	795
East Germany -----	25,328	31,340	14,204	10,337
EC countries -----	2,197,086	2,721,224	1,272,341	1,284,523
Finland -----	65,035	101,105	42,386	52,617
Hungary -----	6,191	8,600	4,554	3,846
Japan -----	2,189,840	2,562,005	1,274,655	1,222,797
Mexico -----	204,210	240,693	119,430	97,856
Peoples Rep of China -----	23,586	27,574	12,986	15,021
Poland -----	27,141	30,281	21,334	11,919
Portugal -----	15,163	10,575	7,588	2,488
Romania -----	25,093	36,063	26,313	7,754
Republic of South Africa -----	7,322	1,487	1,487	327
Korea, Republic of -----	633,718	770,065	406,972	295,256
Spain -----	200,168	249,811	111,999	147,950
Trinidad and Tobago -----	15,482	8,602	4,226	4,794
Venezuela -----	48,835	53,699	34,631	14,189
Yugoslavia -----	5,404	5,947	3,468	1,675
Total -----	6,153,888	7,536,123	3,691,312	3,526,116
Other countries:				
Canada -----	1,660,699	1,706,602	909,107	910,965
Sweden -----	301,016	358,878	212,138	158,893
Argentina -----	122,695	221,845	146,890	33,032
Turkey -----	123,568	93,038	60,221	37,760
Indonesia -----	56,949	81,687	38,814	15,979
Taiwan -----	118,228	134,663	61,963	55,524
Norway -----	39,735	55,371	28,997	18,584
Thailand -----	43,817	65,625	35,766	16,896
Singapore -----	42,953	50,365	19,533	16,347
India -----	22,889	43,769	24,904	25,087
All others -----	124,712	164,938	80,221	56,352
Total -----	2,657,261	2,976,781	1,618,554	1,345,419
Grand total -----	8,811,149	10,512,904	5,309,866	4,871,535

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 8.--Steel other than semifinished steel: $\frac{1}{2}$ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January-June	
			1988	1989
Quantity (Short tons)				
VRA countries:				
Australia -----	155,077	202,683	100,760	119,157
Austria -----	119,666	138,029	58,158	31,939
Brazil -----	671,685	755,083	401,679	407,025
Czechoslovakia -----	29,792	37,301	19,096	1,834
East Germany -----	95,909	92,239	45,897	30,912
EC-----	4,358,698	4,611,870	2,182,641	1,892,330
Finland -----	160,941	209,750	90,586	110,362
Hungary -----	26,495	30,094	16,840	12,062
Japan -----	4,291,332	4,264,692	2,191,201	1,879,410
Mexico -----	429,320	424,451	214,586	152,491
Peoples Rep of China -----	51,093	68,840	33,327	27,164
Poland -----	90,476	89,295	65,416	32,296
Portugal -----	31,087	22,739	15,156	3,837
Romania -----	82,408	102,548	74,194	22,046
Republic of South Africa -----	7,437	1,693	1,693	394
Korea, Republic of -----	1,407,830	1,515,157	850,682	539,613
Spain -----	484,083	449,539	222,818	261,403
Trinidad and Tobago -----	62,575	28,460	15,404	15,264
Venezuela -----	130,749	119,720	85,493	37,337
Yugoslavia -----	15,394	12,751	7,087	4,010
Total-----	12,702,047	13,176,934	6,692,714	5,580,886
Other countries:				
Canada -----	3,673,795	3,327,082	1,797,032	1,633,610
Argentina -----	343,363	535,190	363,940	76,871
Turkey -----	407,413	307,985	208,659	116,518
Indonesia -----	234,667	276,988	138,786	46,704
Sweden -----	267,311	269,005	156,105	98,945
Taiwan -----	263,415	252,112	124,421	87,555
Thailand -----	120,179	160,364	89,787	38,874
Singapore -----	144,538	153,164	59,429	40,408
Norway -----	109,791	116,917	61,853	45,683
India -----	60,774	100,261	59,250	62,870
All others-----	322,184	348,084	166,497	108,120
Total-----	5,947,430	5,847,152	3,225,759	2,356,158
Grand total-----	18,649,477	19,024,086	9,918,473	7,937,044

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: 1/ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-June	
			1988	1989
Import/consumption ratio (percent)				
VRA countries:				
Australia -----	.2	.2	.2	.2
Austria -----	.1	.1	.1	.1
Brazil -----	.7	.8	.8	.8
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	.1	.1	.1	.1
EC-----	4.8	4.7	4.4	3.9
Finland -----	.2	.2	.2	.2
Hungary -----	2/	2/	2/	2/
Japan -----	4.7	4.4	4.4	3.9
Mexico -----	.5	.4	.4	.3
Peoples Rep of China -----	.1	.1	.1	.1
Poland -----	.1	.1	.1	.1
Portugal -----	2/	2/	2/	2/
Romania -----	.1	.1	.1	2/
Republic of South Africa -----	2/	2/	2/	2/
Korea, Republic of -----	1.6	1.5	1.7	1.1
Spain -----	.5	.5	.4	.5
Trinidad and Tobago -----	.1	2/	2/	2/
Venezuela -----	.1	.1	.2	.1
Yugoslavia -----	2/	2/	2/	2/
Total-----	14.0	13.5	13.4	11.6
Other countries:				
Canada -----	4.1	3.4	3.6	3.4
Argentina -----	.4	.5	.7	.2
Turkey -----	.4	.3	.4	.2
Indonesia -----	.3	.3	.3	.1
Sweden -----	.3	.3	.3	.2
Taiwan -----	.3	.3	.2	.2
Thailand -----	.1	.2	.2	.1
Singapore -----	.2	.2	.1	.1
Norway -----	.1	.1	.1	.1
India -----	.1	.1	.1	.1
All others-----	.4	.4	.3	.2
Total-----	6.6	6.0	6.5	4.9
Grand total-----	20.6	19.5	19.9	16.5

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Less than 0.05 percent.

Source: Compiled from data of the American Iron and Steel Institute and from official statistics of the U.S. Department of Commerce.

Table 9.--Semifinished steel: 1/ U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Source	Voluntary restraint level 2/	1987	1988	January--June	
				1988	1989
Quantity (short tons)					
VRA countries:					
Australia	50,000	35	79,402	23,486	41,703
Austria	3/	0	73	8	0
Brazil	700,000	481,287	721,813	403,099	350,923
Czechoslovakia	4/	0	0	0	0
East Germany	4/	1	0	0	0
EC Countries	4/ 820,000	955,673	1,155,121	612,991	463,239
Finland	15,000	13,948	3,239	3,239	11,009
Hungary	4/	569	0	0	0
Japan	100,000	93,288	79,206	38,527	39,975
Mexico	100,000	61,884	63,916	38,114	16,116
Peoples Rep of China	3/	13	0	0	5
Poland	4/	1,460	353	305	267
Portugal	4/	0	0	0	0
Romania	4/	0	0	0	0
Republic of South Africa	5/ 100,000	22,578	0	0	0
Korea, Republic of	50,000	27,043	57,445	5,021	43,232
Spain	50,000	36,905	36,951	23,401	11,915
Trinidad and Tobago	3,500	0	3,058	0	0
Venezuela	60,000	39,822	49,663	24,316	0
Yugoslavia	4/	0	0	0	0
Total	2,048,500	1,734,506	2,250,240	1,172,507	978,384
Other countries:					
Sweden	6/	342,056	306,050	256,775	66,514
Canada	6/	135,645	103,838	59,824	53,311
Norway	6/	44,440	64,585	46,963	5,877
Soviet Union	6/	0	47,078	23,134	5,860
New Zealand	6/	28,212	46,214	23,195	0
Argentina	6/	3,131	22,820	22,820	62
Indonesia	6/	906	4,154	4,149	0
Switzerland	6/	99	0	0	9
Israel	6/	0	0	0	0
Taiwan	6/	0	0	0	0
Total	6/	554,489	594,739	436,860	131,633
Grand total	2,048,500	2,288,995	2,844,979	1,609,367	1,110,017

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Restraint level applicable to year ending December 31, 1988.

3/ No explicit semifinished steel provisions.

4/ Includes 200,000 tons which may be imported at the discretion of the U.S. Trade Representative.

5/ Steel imports from South Africa in 1988 are reduced by the Comprehensive Anti-Apartheid Act of 1986, which embargoes certain steel products.

6/ Not applicable.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 10.--Carbon and certain alloy 1/ semifinished steel: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	35	79,402	23,486	41,703
Austria -----	0	0	0	0
Brazil -----	467,926	720,130	403,099	350,923
Czechoslovakia -----	0	0	0	0
East Germany -----	2/	0	0	0
EC countries -----	949,332	1,151,180	611,002	462,329
Finland -----	13,948	3,239	3,239	11,009
Hungary -----	569	0	0	0
Japan -----	89,683	77,271	37,305	39,708
Mexico -----	61,884	63,916	38,114	16,114
Peoples Rep of China -----	13	0	0	5
Poland -----	1,460	279	279	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	22,578	0	0	0
Korea, Republic of -----	27,043	57,445	5,021	43,232
Spain -----	36,537	30,268	22,964	1,600
Trinidad and Tobago -----	0	3,058	0	0
Venezuela -----	39,822	49,663	24,316	0
Yugoslavia -----	0	0	0	0
Total -----	1,710,830	2,235,851	1,168,825	966,623
Other countries:				
Sweden -----	334,207	291,559	248,517	60,821
Canada -----	110,445	70,310	43,124	30,762
Norway -----	44,440	64,585	46,963	5,877
Soviet Union -----	0	47,078	23,134	5,860
New Zealand -----	28,212	46,214	23,195	0
Argentina -----	3,131	22,820	22,820	62
Indonesia -----	906	4,154	4,149	0
Switzerland -----	99	2/	2/	9
Total -----	521,440	546,720	411,902	103,391
Grand total -----	2,232,270	2,782,571	1,580,727	1,070,014

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy ^{1/} semifinished steel: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	6	15,165	3,503	7,620
Austria -----	0	0	0	0
Brazil -----	87,231	161,215	85,020	88,403
Czechoslovakia -----	0	0	0	0
East Germany -----	7	0	0	0
EC countries -----	208,398	284,362	142,836	123,234
Finland -----	2,945	770	770	2,974
Hungary -----	128	0	0	0
Japan -----	20,477	19,499	9,190	11,171
Mexico -----	11,428	17,342	8,738	4,648
Peoples Rep of China -----	30	0	0	7
Poland -----	342	69	69	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	3,548	0	0	0
Korea, Republic of -----	4,809	14,573	1,164	10,557
Spain -----	6,503	6,521	4,471	602
Trinidad and Tobago -----	0	617	0	0
Venezuela -----	6,708	11,049	4,210	0
Yugoslavia -----	0	0	0	0
Total -----	352,560	531,182	259,971	249,216
Other countries:				
Sweden -----	76,098	73,544	62,761	15,249
Canada -----	26,940	21,337	12,058	12,002
Norway -----	8,098	14,757	10,365	1,288
Soviet Union -----	0	6,946	2,959	843
New Zealand -----	6,332	13,489	8,372	0
Argentina -----	1,109	6,147	6,147	21
Indonesia -----	242	1,196	1,195	0
Switzerland -----	140	3	1	28
Total -----	118,959	137,419	103,858	29,431
Grand total -----	471,519	668,601	363,829	278,647

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	5,014	5,935	2,866	1,594
Austria -----	9,701	21,426	8,064	1,071
Brazil -----	112,608	171,537	102,676	86,761
Czechoslovakia -----	10,416	16,455	8,423	840
East Germany -----	16,091	17,270	10,087	5,579
EC countries-----	381,994	467,491	220,348	180,613
Finland -----	69,486	96,135	33,882	61,194
Hungary -----	13,933	16,146	8,960	6,287
Japan -----	35,903	44,538	16,937	20,863
Mexico -----	12,930	20,867	9,559	7,710
Peoples Rep of China -----	0	26	0	0
Poland -----	30,633	30,860	22,671	13,043
Portugal -----	0	0	0	0
Romania -----	49,274	68,325	45,893	16,383
Republic of South Africa -----	465	0	0	0
Korea, Republic of -----	64,323	68,405	35,972	25,692
Spain -----	63,973	48,484	29,170	22,819
Trinidad and Tobago -----	0	389	0	0
Venezuela -----	6,872	6,653	5,981	2,915
Yugoslavia -----	0	1,423	0	0
Total-----	883,616	1,102,365	561,489	453,364
Other countries:				
Canada -----	449,135	419,556	235,891	152,992
Sweden -----	106,253	110,743	58,218	43,189
Indonesia -----	46,701	84,969	48,145	203
Argentina -----	17,499	44,564	31,096	233
India -----	35,711	34,780	22,392	35,303
Egypt -----	0	21,147	10,760	0
Pakistan -----	6,227	15,610	10,043	0
Algeria -----	0	8,054	6,934	0
Turkey -----	6,145	5,946	5,946	186
New Zealand -----	0	3,849	550	4,841
All others-----	4,290	5,507	4,254	2/
Total-----	671,961	754,725	434,229	236,947
Grand total-----	1,555,577	1,857,090	995,718	690,311

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy ^{1/} steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,285	3,190	1,544	768
Austria -----	3,379	8,467	3,295	744
Brazil -----	36,299	67,413	36,431	27,245
Czechoslovakia -----	2,292	5,280	2,435	236
East Germany -----	3,761	5,566	3,020	1,817
EC countries-----	126,682	197,106	91,409	79,593
Finland -----	18,573	38,528	12,446	22,177
Hungary -----	3,104	4,494	2,312	1,935
Japan -----	19,324	27,120	9,830	12,622
Mexico -----	3,340	8,122	3,528	3,494
Peoples Rep of China -----	0	28	0	0
Poland -----	7,316	9,971	6,937	4,462
Portugal -----	0	0	0	0
Romania -----	13,447	22,680	15,475	5,588
Republic of South Africa -----	145	0	0	0
Korea, Republic of -----	21,560	28,496	14,384	9,878
Spain -----	20,059	22,593	12,490	8,550
Trinidad and Tobago -----	0	122	0	0
Venezuela -----	1,762	2,062	1,809	990
Yugoslavia -----	0	461	0	0
Total-----	283,328	451,699	217,345	180,099
Other countries:				
Canada -----	155,991	175,573	96,096	64,587
Sweden -----	40,807	52,247	26,368	21,718
Indonesia -----	12,461	25,597	13,945	57
Argentina -----	4,317	14,038	9,924	81
India -----	13,055	14,024	9,056	10,877
Egypt -----	0	6,652	3,035	0
Pakistan -----	2,559	4,117	2,599	0
Algeria -----	0	2,330	2,046	0
Turkey -----	1,554	2,186	2,186	85
New Zealand -----	0	1,350	172	1,462
All others-----	1,708	1,855	1,398	6
Total-----	232,452	299,969	166,825	98,873
Grand total-----	515,780	751,668	384,170	278,972

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 12.--Carbon and certain alloy 1/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	123,054	169,338	83,468	100,176
Austria -----	82,055	80,141	33,708	19,078
Brazil -----	343,715	279,788	138,688	206,890
Czechoslovakia -----	2,410	0	0	10
East Germany -----	61,012	50,830	21,818	15,206
EC countries -----	2,172,597	2,143,264	949,040	798,921
Finland -----	71,070	85,164	42,480	37,591
Hungary -----	9,600	13,211	7,295	4,637
Japan -----	2,381,393	2,209,538	1,100,917	1,039,734
Mexico -----	127,973	139,529	74,486	48,713
Peoples Rep of China -----	584	0	0	18
Poland -----	13,390	11,005	9,752	0
Portugal -----	29,872	16,837	14,732	3,002
Romania -----	3,665	6,731	6,731	52
Republic of South Africa -----	372	0	0	0
Korea, Republic of -----	603,796	487,380	305,504	140,300
Spain -----	100,179	88,988	42,336	40,305
Trinidad and Tobago -----	0	63	0	0
Venezuela -----	56,293	57,246	48,183	13,379
Yugoslavia -----	0	0	0	11
Total-----	6,183,030	5,839,053	2,879,138	2,468,023
Other countries:				
Canada -----	1,119,490	856,040	463,537	414,688
Argentina -----	175,619	243,388	188,367	4,571
Taiwan -----	60,024	78,901	36,719	19,208
Sweden -----	61,509	51,007	34,901	12,801
New Zealand -----	10,795	29,118	5,258	40,751
Algeria -----	11,632	21,102	17,774	0
Indonesia -----	24,966	20,138	11,528	160
Turkey -----	67,134	17,019	17,019	20
Norway -----	15,629	14,466	5,025	9,476
Pakistan -----	10,113	8,324	3,345	0
All others-----	6,653	6,824	2,639	2,130
Total-----	1,563,564	1,346,327	786,112	503,805
Grand total-----	7,746,594	7,185,380	3,665,250	2,971,828

See footnote(s) at end of table.

Table 12.--Carbon and certain alloy ¹/ _{steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued}

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	59,001	90,392	43,207	50,856
Austria -----	26,289	31,089	13,099	7,844
Brazil -----	119,782	111,040	53,534	82,993
Czechoslovakia -----	644	0	0	3
East Germany -----	17,087	18,100	7,482	5,502
EC countries -----	877,390	995,304	431,299	398,069
Finland -----	25,253	32,525	16,302	15,572
Hungary -----	2,371	3,751	1,976	1,423
Japan -----	1,208,940	1,211,321	600,222	596,166
Mexico -----	60,338	77,632	39,846	28,863
Peoples Rep of China -----	114	0	0	7
Poland -----	5,198	5,049	4,442	0
Portugal -----	14,108	8,172	7,153	1,600
Romania -----	1,246	2,176	2,176	36
Republic of South Africa -----	124	0	0	0
Korea, Republic of -----	234,228	209,663	129,645	56,692
Spain -----	40,855	41,812	20,041	18,751
Trinidad and Tobago -----	0	19	0	0
Venezuela -----	18,728	22,121	18,367	5,578
Yugoslavia -----	0	0	0	6
Total -----	2,711,696	2,860,166	1,388,791	1,269,961
Other countries:				
Canada -----	463,992	381,804	202,840	198,329
Argentina -----	64,208	92,033	71,095	1,968
Taiwan -----	22,313	31,494	14,371	8,351
Sweden -----	37,494	39,376	23,755	16,680
New Zealand -----	5,600	11,315	2,012	17,529
Algeria -----	4,076	8,668	7,591	0
Indonesia -----	6,638	7,569	3,513	76
Turkey -----	27,144	6,256	6,256	9
Norway -----	7,955	7,909	2,661	5,942
Pakistan -----	2,221	3,600	2,243	0
All others -----	2,985	3,066	1,261	1,103
Total -----	644,626	593,090	337,598	249,987
Grand total -----	3,356,322	3,453,256	1,726,389	1,519,948

¹/ _{Certain alloy refers to alloy steel other than stainless or tool steel.}

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	117	826	30	36
Austria -----	394	693	121	303
Brazil -----	50,090	96,561	53,570	28,020
Czechoslovakia -----	0	0	0	0
East Germany -----	2	0	0	0
EC countries -----	209,024	222,242	92,253	77,395
Finland -----	2,752	4,081	1,556	2,092
Hungary -----	43	146	0	0
Japan -----	154,408	107,959	58,930	41,196
Mexico -----	31,521	22,813	12,193	6,284
Peoples Rep of China -----	4,820	3,441	2,206	1,390
Poland -----	1,037	1,282	442	1,487
Portugal -----	0	2/	2/	0
Romania -----	122	29	29	0
Republic of South Africa -----	221	0	0	0
Korea, Republic of -----	56,173	74,249	39,006	38,573
Spain -----	30,581	38,094	22,145	14,688
Trinidad and Tobago -----	18,047	15,404	7,247	10,183
Venezuela -----	13,530	19,962	7,733	4,735
Yugoslavia -----	287	0	0	0
Total-----	573,169	607,782	297,461	226,382
Other countries:				
Canada -----	379,637	429,634	222,729	215,045
Turkey -----	94,882	102,560	43,476	98,673
Indonesia -----	44,957	54,015	16,483	3,133
Argentina -----	18,954	50,982	20,214	20,805
Norway -----	28,347	36,346	18,118	11,995
Taiwan -----	44,665	32,265	17,619	6,677
Singapore -----	39,869	19,311	0	6,237
India -----	10,014	11,249	7,461	4,870
Sweden -----	7,255	9,099	4,964	1,514
Israel -----	619	5,943	78	42
All others-----	38,800	1,924	812	1,498
Total-----	707,999	753,328	351,954	370,489
Grand total-----	1,281,168	1,361,110	649,415	596,871

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	92	332	10	11
Austria -----	590	667	201	570
Brazil -----	15,461	29,058	15,412	11,950
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries -----	154,145	116,081	48,038	45,414
Finland -----	1,685	2,705	962	1,579
Hungary -----	14	63	0	0
Japan -----	62,568	49,339	26,073	20,668
Mexico -----	8,595	8,588	4,434	2,337
Peoples Rep of China -----	1,683	1,314	872	482
Poland -----	548	845	307	832
Portugal -----	0	2	2	0
Romania -----	600	103	103	0
Republic of South Africa -----	71	0	0	0
Korea, Republic of -----	15,094	20,439	10,347	11,319
Spain -----	11,163	17,305	9,393	7,381
Trinidad and Tobago -----	5,496	3,968	1,815	3,290
Venezuela -----	3,187	5,392	2,037	1,420
Yugoslavia -----	73	0	0	0
Total -----	281,066	256,201	120,006	107,253
Other countries:				
Canada -----	146,520	186,448	95,704	93,265
Turkey -----	24,960	28,951	11,319	29,707
Indonesia -----	9,076	14,691	4,399	862
Argentina -----	4,865	16,442	6,059	8,074
Norway -----	5,906	8,963	4,141	3,268
Taiwan -----	11,531	10,022	5,084	2,338
Singapore -----	10,128	5,104	0	2,595
India -----	3,490	3,952	2,498	2,095
Sweden -----	4,732	5,737	2,813	1,370
Israel -----	191	1,616	72	18
All others-----	9,814	1,111	571	629
Total -----	231,213	283,037	132,660	144,221
Grand total -----	512,279	539,238	252,666	251,474

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 14.--Carbon and certain alloy 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	9,664	9,551	6,941	8,916
Austria -----	401	601	260	1,112
Brazil -----	50,183	58,383	30,115	24,464
Czechoslovakia -----	10,307	13,661	6,533	0
East Germany -----	12,806	16,306	8,452	6,818
EC countries -----	235,247	248,578	118,383	81,059
Finland -----	2,237	2,237	2,237	108
Hungary -----	2,862	0	0	0
Japan -----	245,672	276,003	134,679	130,578
Mexico -----	62,826	58,389	24,642	16,146
Peoples Rep of China -----	0	27	25	25
Poland -----	0	7,606	4,336	0
Portugal -----	0	4,451	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	432	875	762	391
Spain -----	40,302	37,258	22,152	25,139
Trinidad and Tobago -----	43,094	11,312	7,137	5,070
Venezuela -----	4,471	8,916	5,609	335
Yugoslavia -----	0	0	0	0
Total-----	720,504	754,154	372,263	300,161
Other countries:				
Canada -----	390,071	360,096	206,037	222,920
Turkey -----	61,072	126,791	113,469	0
Indonesia -----	97,932	84,414	48,266	24,510
Singapore -----	60,425	81,904	32,584	18,847
Sweden -----	10,079	18,464	12,783	2,086
Saudi Arabia -----	42,619	17,972	8,823	0
Taiwan -----	15,798	16,843	7,352	12,086
Egypt -----	0	11,114	63	23
Malaysia -----	47,789	2,355	2,132	0
Israel -----	131	372	0	0
All others -----	2,300	144	2/	22
Total-----	728,216	720,469	431,509	280,494
Grand total-----	1,448,720	1,474,623	803,772	580,655

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy ^{1/} steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	1,983	2,103	1,483	1,951
Austria -----	179	248	111	303
Brazil -----	12,145	16,380	8,409	6,709
Czechoslovakia -----	2,164	3,234	1,472	0
East Germany -----	2,585	3,547	1,716	1,627
EC countries -----	84,580	97,970	45,496	31,604
Finland -----	692	741	741	35
Hungary -----	557	0	0	0
Japan -----	103,044	124,039	59,039	61,082
Mexico -----	14,093	15,344	6,165	4,013
Peoples Rep of China -----	0	9	7	7
Poland -----	0	1,612	885	0
Portugal -----	0	1,123	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	179	389	333	238
Spain -----	11,411	10,435	5,970	7,276
Trinidad and Tobago -----	9,538	3,293	2,070	1,472
Venezuela -----	1,014	2,000	1,279	88
Yugoslavia -----	0	0	0	0
Total -----	244,164	282,467	135,176	116,405
Other countries:				
Canada -----	127,412	130,836	73,304	80,849
Turkey -----	13,673	32,337	28,892	0
Indonesia -----	21,082	20,363	10,586	6,724
Singapore -----	14,388	21,983	8,323	6,148
Sweden -----	6,215	9,831	5,660	1,670
Saudi Arabia -----	8,616	3,719	1,791	0
Taiwan -----	6,199	6,764	2,987	5,279
Egypt -----	0	2,650	14	7
Malaysia -----	11,059	622	563	0
Israel -----	30	106	0	0
All others -----	478	131	1	11
Total -----	209,152	229,342	132,121	100,688
Grand total -----	453,316	511,809	267,297	217,093

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	4,963	4,488	1,629	2,097
Austria -----	2,484	1,731	840	905
Brazil -----	10,577	14,128	9,840	6,717
Czechoslovakia -----	0	0	0	24
East Germany -----	89	0	0	0
EC countries -----	174,468	168,458	91,696	78,268
Finland -----	400	476	306	59
Hungary -----	57	0	0	0
Japan -----	96,684	78,468	41,613	37,138
Mexico -----	3,991	2,712	1,236	619
Peoples Rep of China -----	7,302	9,720	3,855	5,370
Poland -----	2	116	19	74
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	187	0	0	0
Korea, Republic of -----	8,226	7,736	3,087	3,266
Spain -----	40	22	22	75
Trinidad and Tobago -----	1,435	1,060	925	0
Venezuela -----	7,717	5,996	3,976	1,629
Yugoslavia -----	42	3	0	0
Total-----	318,664	295,114	159,044	136,241
Other countries:				
Canada -----	194,819	193,243	103,823	100,005
Sweden -----	7,745	7,532	3,791	3,766
Taiwan -----	3,217	4,897	2,481	1,763
India -----	2,572	4,108	1,932	2,919
Saudi Arabia -----	0	4,000	0	0
Switzerland -----	1,372	2,591	1,203	1,256
Argentina -----	1,170	2,491	1,299	4,321
Chile -----	1,379	2,146	1,392	1,445
Ecuador -----	18	1,430	208	1,272
Norway -----	2,476	1,312	510	465
All others-----	3,464	865	394	1,405
Total-----	218,232	224,615	117,033	118,617
Grand total-----	536,896	519,729	276,077	254,858

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy ¹/ _{steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued}

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,329	2,018	753	945
Austria -----	3,613	2,584	1,420	1,367
Brazil -----	4,944	6,207	4,187	3,570
Czechoslovakia -----	0	0	0	16
East Germany -----	24	0	0	0
EC countries -----	129,054	141,173	75,083	70,836
Finland -----	170	231	140	17
Hungary -----	17	0	0	0
Japan -----	64,973	61,637	30,886	31,122
Mexico -----	1,681	1,320	588	375
Peoples Rep of China -----	2,868	4,165	1,675	2,366
Poland -----	3	59	10	39
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	85	0	0	0
Korea, Republic of -----	4,882	4,667	1,785	2,031
Spain -----	33	37	37	87
Trinidad and Tobago -----	448	354	314	0
Venezuela -----	3,802	3,096	1,981	1,040
Yugoslavia -----	24	9	0	0
Total -----	218,950	227,557	118,859	113,811
Other countries:				
Canada -----	101,960	109,405	57,632	59,594
Sweden -----	10,304	10,678	5,272	5,147
Taiwan -----	1,964	2,903	1,393	1,613
India -----	883	1,518	722	1,070
Saudi Arabia -----	0	810	0	0
Switzerland -----	898	1,525	710	815
Argentina -----	499	1,245	711	1,911
Chile -----	532	946	583	786
Ecuador -----	9	652	100	625
Norway -----	1,427	1,177	440	368
All others -----	1,385	483	193	707
Total -----	119,861	131,342	67,756	72,636
Grand total -----	338,811	358,899	186,615	186,447

¹/ _{Certain alloy refers to alloy steel other than stainless or tool steel.}

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 16.--Carbon and certain alloy 1/ steel wire products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	291	5	2	3
Austria -----	1,113	956	169	2,110
Brazil -----	10,382	15,018	6,850	6,706
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	34,544	23,220	12,879	39,091
Finland -----	0	1	2/	2/
Hungary -----	0	0	0	0
Japan -----	50,318	23,536	13,824	33,337
Mexico -----	14,577	13,693	7,741	7,315
Peoples Rep of China -----	36,253	36,866	19,489	19,478
Poland -----	19,213	16,070	8,613	6,740
Portugal -----	683	380	227	283
Romania -----	6,859	143	143	0
Republic of South Africa -----	4,340	1,550	1,550	394
Korea, Republic of -----	186,794	192,127	94,550	82,877
Spain -----	18,997	14,765	9,112	18,759
Trinidad and Tobago -----	0	94	94	0
Venezuela -----	2,683	1,352	850	8,519
Yugoslavia -----	7,882	7,314	3,338	2,911
Total-----	394,929	347,090	179,431	228,523
Other countries:				
Canada -----	106,028	98,251	52,972	58,211
Turkey -----	37,393	23,631	9,764	5,339
United Arab Emirates -----	7,787	20,059	9,690	8,528
Indonesia -----	11,116	18,621	7,350	10,683
Argentina -----	12,069	18,002	8,288	8,960
Taiwan -----	37,689	13,715	6,820	8,386
Thailand -----	20,516	8,627	3,208	11,459
Chile -----	10,919	8,459	4,262	3,181
India -----	505	4,571	1,562	3,867
Saudi Arabia -----	305	3,718	2,832	3,915
All others -----	10,123	7,707	3,363	6,500
Total-----	254,450	225,361	110,111	129,029
Grand total-----	649,379	572,451	289,542	357,552

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy ^{1/} steel wire products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	249	20	13	32
Austria -----	1,973	1,556	446	4,609
Brazil -----	4,592	7,169	3,275	3,886
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	27,128	24,443	11,481	84,938
Finland -----	0	96	4	4
Hungary -----	0	0	0	0
Japan -----	46,874	28,992	15,692	64,554
Mexico -----	7,758	8,903	4,762	7,117
Peoples Rep of China -----	17,786	14,640	7,712	11,560
Poland -----	7,056	5,403	2,954	2,291
Portugal -----	820	530	306	419
Romania -----	2,424	44	44	0
Republic of South Africa -----	2,199	792	792	323
Korea, Republic of -----	128,818	138,561	64,298	71,954
Spain -----	11,866	8,752	5,190	19,684
Trinidad and Tobago -----	0	27	27	0
Venezuela -----	498	387	256	2,633
Yugoslavia -----	2,845	3,027	1,410	1,202
Total -----	262,886	243,342	118,662	275,206
Other countries:				
Canada -----	73,873	70,198	37,350	48,592
Turkey -----	12,966	8,700	3,523	2,960
United Arab Emirates -----	2,582	7,562	3,720	3,343
Indonesia -----	4,341	6,881	2,662	4,745
Argentina -----	5,105	7,943	3,542	4,624
Taiwan -----	24,306	12,448	5,976	9,627
Thailand -----	10,027	5,332	2,341	4,614
Chile -----	4,662	3,991	2,075	1,728
India -----	263	2,659	773	2,691
Saudi Arabia -----	103	1,239	960	1,419
All others -----	6,976	6,778	2,975	9,880
Total -----	145,204	133,731	65,897	94,223
Grand total -----	408,090	377,073	184,559	369,429

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 17.--Carbon and certain alloy $\frac{1}{2}$ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	55	139	43	277
Austria -----	377	1,541	139	274
Brazil -----	11,926	20,210	12,831	5,745
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	645,485	732,369	361,584	339,048
Finland -----	341	118	101	2,373
Hungary -----	0	0	0	0
Japan -----	629,977	590,217	322,845	265,165
Mexico -----	17,953	24,912	12,133	7,660
Peoples Rep of China -----	8	208	34	334
Poland -----	18,559	14,059	12,601	7,816
Portugal -----	122	0	0	2/
Romania -----	0	19	0	68
Republic of South Africa -----	933	143	143	0
Korea, Republic of -----	135,070	169,302	97,375	58,990
Spain -----	177,434	171,068	73,977	100,877
Trinidad and Tobago -----	0	0	0	11
Venezuela -----	0	2/	0	43
Yugoslavia -----	0	263	0	0
Total -----	1,638,240	1,724,568	893,806	788,681
Other countries:				
Canada -----	398,180	338,187	183,403	131,858
Norway -----	61,316	64,361	37,922	23,550
Argentina -----	17,757	27,523	18,773	17,064
Taiwan -----	17,179	9,020	4,851	3,859
New Zealand -----	9,076	8,242	3,324	4,470
Indonesia -----	0	4,074	552	3,251
Sweden -----	2,170	3,925	1,341	757
Thailand -----	0	3,278	44	0
Singapore -----	6,702	3,129	1,930	514
Switzerland -----	131	626	473	86
All others -----	2,917	1,534	966	679
Total -----	515,428	463,899	253,579	186,088
Grand total -----	2,153,668	2,188,467	1,147,385	974,769

See footnote(s) at end of table.

Table 17.--Carbon and certain alloy ^{1/} steel structural shapes and units: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	54	135	40	862
Austria -----	1,455	1,865	756	850
Brazil -----	4,099	8,055	4,792	2,286
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	222,416	294,725	144,646	135,470
Finland -----	336	248	162	2,837
Hungary -----	0	0	0	0
Japan -----	189,574	228,010	119,623	106,957
Mexico -----	7,074	11,585	5,409	3,815
Peoples Rep of China -----	71	154	18	256
Poland -----	3,990	3,587	3,092	2,280
Portugal -----	78	0	0	8
Romania -----	0	11	0	29
Republic of South Africa -----	573	694	694	0
Korea, Republic of -----	59,530	84,018	49,854	24,566
Spain -----	48,816	62,180	24,729	35,761
Trinidad and Tobago -----	0	0	0	32
Venezuela -----	0	1	0	13
Yugoslavia -----	0	393	0	0
Total -----	538,066	695,661	353,815	316,022
Other countries:				
Canada -----	220,522	201,529	105,311	82,401
Norway -----	15,052	21,943	11,041	7,448
Argentina -----	4,186	7,274	4,930	4,858
Taiwan -----	9,331	5,476	3,108	3,625
New Zealand -----	9,040	8,814	4,325	5,065
Indonesia -----	0	1,173	160	951
Sweden -----	7,243	5,413	3,680	2,072
Thailand -----	0	1,711	21	0
Singapore -----	4,293	2,903	1,476	275
Switzerland -----	818	1,557	821	190
All others -----	6,366	1,349	914	1,273
Total -----	276,851	259,142	135,787	108,158
Grand total -----	814,917	954,803	489,602	424,180

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 18.--Carbon and certain alloy 1/ steel rails and related products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	30	2	0	1,875
Austria -----	5	703	2/	2,845
Brazil -----	2,440	4,553	1,496	1,649
Czechoslovakia -----	0	0	0	0
East Germany -----	0	1	1	0
EC countries -----	42,340	51,287	29,312	31,749
Finland -----	2/	3	3	0
Hungary -----	0	4	0	0
Japan -----	84,891	79,347	40,122	52,810
Mexico -----	46	26	2/	199
Peoples Rep of China -----	45	25	25	427
Poland -----	0	0	0	105
Portugal -----	0	1,071	197	552
Romania -----	0	0	0	0
Republic of South Africa -----	879	2/	2/	0
Korea, Republic of -----	5,803	6,919	4,823	4,852
Spain -----	0	0	0	35
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	344	77	0	0
Yugoslavia -----	0	0	0	0
Total-----	136,823	144,018	75,979	97,098
Other countries:				
Canada -----	101,439	172,077	64,127	75,204
Sweden -----	7,424	3,064	2,863	246
Gabon -----	0	128	0	0
Taiwan -----	168	128	85	255
Argentina -----	6	6	6	994
India -----	0	6	0	0
Philippines -----	0	6	6	0
Honduras -----	0	2/	0	9
Norway -----	0	2/	0	0
Colombia -----	0	0	0	37
All others-----	127	0	0	49
Total-----	109,164	175,415	67,087	76,794
Grand total-----	245,987	319,433	143,066	173,892

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy ^{1/} steel rails and related products: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	15	7	0	2,296
Austria -----	37	299	3	1,801
Brazil -----	2,016	3,751	1,333	1,354
Czechoslovakia -----	0	0	0	0
East Germany -----	0	5	5	0
EC countries -----	17,563	24,466	13,065	15,408
Finland -----	5	14	14	0
Hungary -----	0	25	0	0
Japan -----	34,066	38,835	18,384	28,374
Mexico -----	14	37	3	190
Peoples Rep of China -----	32	9	9	204
Poland -----	0	0	0	49
Portugal -----	0	748	127	461
Romania -----	0	0	0	0
Republic of South Africa -----	563	1	1	0
Korea, Republic of -----	1,863	2,580	1,654	2,379
Spain -----	0	0	0	149
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	70	24	0	0
Yugoslavia -----	0	0	0	0
Total -----	56,244	70,801	34,598	52,665
Other countries:				
Canada -----	20,479	50,140	21,365	33,244
Sweden -----	2,553	1,001	824	220
Gabon -----	0	67	0	0
Taiwan -----	302	294	173	442
Argentina -----	24	17	17	311
India -----	0	16	0	0
Philippines -----	0	28	28	0
Honduras -----	0	2	0	4
Norway -----	0	3	0	0
All others -----	284	0	0	206
Total -----	23,642	51,568	22,407	34,427
Grand total -----	79,886	122,369	57,005	87,092

^{1/} Certain alloy refers to alloy steel other than stainless or tool steel.

^{2/} Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 19.--Carbon and certain alloy $\frac{1}{2}$ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	11,869	12,375	5,770	4,164
Austria -----	19,766	26,408	12,810	2,326
Brazil -----	75,669	87,724	41,867	36,095
Czechoslovakia -----	6,660	7,164	4,138	960
East Germany -----	5,909	7,828	5,538	3,309
EC countries -----	383,341	458,471	258,467	200,555
Finland -----	5,968	12,755	5,349	5,359
Hungary -----	0	585	585	1,072
Japan -----	542,452	790,770	429,271	211,427
Mexico -----	137,761	131,349	66,719	52,043
Peoples Rep of China -----	2,056	18,422	7,690	48
Poland -----	7,267	8,048	6,941	2,931
Portugal -----	410	0	0	0
Romania -----	22,488	27,284	21,380	5,543
Republic of South Africa -----	40	0	0	0
Korea, Republic of -----	331,525	496,059	263,196	178,147
Spain -----	32,753	29,637	15,756	29,395
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	38,840	19,510	13,161	5,782
Yugoslavia -----	7,183	3,732	3,732	1,085
Total-----	1,631,957	2,138,121	1,162,370	740,241
Other countries:				
Canada -----	514,456	436,372	251,060	249,909
Thailand -----	93,717	148,259	86,492	27,176
Argentina -----	100,108	148,192	95,855	19,730
Taiwan -----	79,176	88,055	44,560	33,253
Singapore -----	37,408	47,545	23,861	14,761
India -----	10,848	44,486	25,419	14,816
Turkey -----	140,786	32,001	18,965	12,277
Sweden -----	30,146	26,842	15,837	8,995
Malaysia -----	13,285	22,879	14,028	2,026
Chile -----	2,077	22,048	8,388	2,206
All others-----	94,680	95,139	50,479	27,952
Total-----	1,116,687	1,111,818	634,944	413,101
Grand total-----	2,748,644	3,249,939	1,797,314	1,153,342

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	Value (thousand dollars)			
	1987	1988	January--June	
			1988	1989
VRA countries:				
Australia -----	4,265	4,959	2,281	1,903
Austria -----	11,963	23,494	10,754	2,440
Brazil -----	32,186	41,170	19,072	19,615
Czechoslovakia -----	2,057	3,472	1,828	541
East Germany -----	1,862	4,115	1,980	1,391
EC countries -----	197,587	322,171	167,355	139,349
Finland -----	1,915	5,624	2,225	2,589
Hungary -----	0	266	266	458
Japan -----	295,849	597,887	306,815	168,470
Mexico -----	57,935	71,872	36,122	29,183
Peoples Rep of China -----	895	7,066	2,640	32
Poland -----	2,219	3,115	2,544	1,253
Portugal -----	157	0	0	0
Romania -----	7,377	11,018	8,486	2,101
Republic of South Africa -----	15	0	0	0
Korea, Republic of -----	137,101	239,742	121,411	88,239
Spain -----	16,510	23,994	11,771	17,628
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	13,066	7,535	4,694	2,427
Yugoslavia -----	2,462	2,036	2,036	464
Total -----	785,421	1,369,536	702,280	478,083
Other countries:				
Canada -----	254,194	266,692	152,926	155,561
Thailand -----	32,613	58,119	33,332	11,743
Argentina -----	38,060	76,641	44,400	10,937
Taiwan -----	28,607	39,591	18,951	16,275
Singapore -----	13,763	19,833	9,330	7,263
India -----	4,059	20,173	11,287	6,726
Turkey -----	43,271	14,568	8,038	4,982
Sweden -----	21,798	23,510	13,620	9,168
Malaysia -----	4,615	9,314	5,476	878
Chile -----	829	9,500	3,586	1,093
All others -----	35,348	41,391	19,742	12,476
Total -----	477,157	579,332	320,688	237,102
Grand total -----	1,262,578	1,948,868	1,022,968	715,185

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	155,092	282,061	124,236	160,841
Austria -----	116,298	134,200	56,112	30,024
Brazil -----	1,135,516	1,468,033	801,032	753,969
Czechoslovakia -----	29,792	37,280	19,094	1,834
East Germany -----	95,910	92,234	45,897	30,912
EC countries -----	5,228,372	5,666,561	2,744,964	2,289,028
Finland -----	166,202	204,209	89,154	119,785
Hungary -----	27,064	30,094	16,840	11,995
Japan -----	4,311,383	4,277,647	2,196,443	1,871,957
Mexico -----	471,462	478,207	246,824	162,803
Peoples Rep of China -----	51,081	68,735	33,324	27,095
Poland -----	91,561	89,325	65,654	32,198
Portugal -----	31,087	22,739	15,156	3,837
Romania -----	82,408	102,530	74,176	22,046
Republic of South Africa -----	30,015	1,693	1,693	394
Korea, Republic of -----	1,419,183	1,560,497	849,298	576,320
Spain -----	500,796	458,584	237,633	253,692
Trinidad and Tobago -----	62,575	31,380	15,404	15,264
Venezuela -----	170,571	169,376	109,809	37,337
Yugoslavia -----	15,394	12,734	7,070	4,007
Total-----	14,191,762	15,188,119	7,749,813	6,405,338
Other countries:				
Canada -----	3,763,701	3,373,766	1,826,703	1,651,595
Argentina -----	346,313	557,969	386,719	76,740
Sweden -----	566,885	522,294	383,232	135,216
Turkey -----	407,413	307,985	208,659	116,517
Indonesia -----	235,573	281,142	142,935	46,702
Taiwan -----	257,931	243,886	120,496	85,487
Norway -----	154,194	181,502	108,816	51,560
Thailand -----	120,179	160,176	89,757	38,653
Singapore -----	144,538	153,163	59,429	40,408
India -----	60,231	99,714	59,035	62,296
All others -----	350,185	441,075	212,678	113,586
Total-----	6,407,143	6,322,672	3,598,459	2,418,760
Grand total-----	20,598,905	21,510,791	11,348,272	8,824,098

See footnote(s) at end of table.

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	70,279	118,320	52,834	67,244
Austria -----	49,477	70,268	30,083	20,527
Brazil -----	318,756	451,458	231,466	248,012
Czechoslovakia -----	7,156	11,986	5,735	795
East Germany -----	25,328	31,334	14,204	10,337
EC countries -----	2,044,943	2,497,803	1,170,706	1,123,915
Finland -----	51,574	81,482	33,764	47,784
Hungary -----	6,191	8,600	4,554	3,816
Japan -----	2,045,689	2,386,680	1,195,755	1,101,186
Mexico -----	172,255	220,745	109,594	84,037
Peoples Rep of China -----	23,479	27,385	12,933	14,922
Poland -----	26,671	29,711	21,239	11,207
Portugal -----	15,163	10,575	7,588	2,488
Romania -----	25,093	36,033	26,284	7,754
Republic of South Africa -----	7,322	1,487	1,487	323
Korea, Republic of -----	608,066	743,129	394,876	277,852
Spain -----	167,216	193,629	94,093	115,870
Trinidad and Tobago -----	15,482	8,400	4,226	4,794
Venezuela -----	48,835	53,667	34,631	14,189
Yugoslavia -----	5,404	5,925	3,446	1,672
Total-----	5,734,379	6,988,617	3,449,498	3,158,724
Other countries:				
Canada -----	1,591,881	1,593,962	854,588	828,423
Argentina -----	122,372	221,780	146,825	32,785
Sweden -----	207,367	221,486	144,797	77,143
Turkey -----	123,568	93,038	60,221	37,757
Indonesia -----	56,949	81,687	38,814	15,926
Taiwan -----	104,597	109,041	52,068	47,551
Norway -----	39,717	55,371	28,997	18,581
Thailand -----	43,817	65,167	35,699	16,377
Singapore -----	42,953	50,360	19,533	16,347
India -----	22,038	42,731	24,515	23,783
All others -----	123,858	163,352	79,545	55,072
Total-----	2,479,117	2,697,975	1,485,602	1,169,745
Grand total-----	8,213,496	9,686,592	4,935,100	4,328,469

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	73	8	0
Brazil -----	13,361	1,683	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	6,340	3,941	1,989	910
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	3,605	1,935	1,222	267
Mexico -----	0	0	0	2
Peoples Rep of China -----	0	0	0	0
Poland -----	0	74	26	267
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	0	0	0
Spain -----	368	6,683	438	10,315
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	23,674	14,389	3,683	11,761
Other countries:				
Canada -----	25,200	33,527	16,700	22,549
Sweden -----	7,849	14,491	8,258	5,693
Israel -----	0	0	0	1/
Taiwan -----	0	0	0	1/
Total-----	33,049	48,018	24,958	28,242
Grand total-----	56,723	62,407	28,641	40,003

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	234	22	0
Brazil -----	3,904	542	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	4,418	6,353	2,934	654
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	3,581	2,906	1,692	526
Mexico -----	0	0	0	8
Peoples Rep of China -----	0	0	0	0
Poland -----	0	102	34	473
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	0	0	0
Spain -----	1,566	6,767	2,340	7,238
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	13,469	16,904	7,022	8,899
Other countries:				
Canada -----	25,133	52,871	22,959	44,039
Sweden -----	7,692	23,240	11,287	13,735
Israel -----	0	0	0	5
Hong Kong -----	0	0	0	2
Taiwan -----	0	0	0	14
Total-----	32,825	76,111	34,246	57,795
Grand total-----	46,294	93,015	41,268	66,694

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	96	249	90	90
Brazil -----	36	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,278	7,364	3,731	6,298
Finland -----	2,369	2,730	1,441	804
Hungary -----	0	0	0	0
Japan -----	1,558	2,225	1,063	907
Mexico -----	2	0	0	4
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	125	0	0
Spain -----	0	0	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	9,339	12,693	6,325	8,103
Other countries:				
Sweden -----	1,744	2,779	684	1,007
Canada -----	34	371	126	136
Anguilla -----	0	5	0	0
Total -----	1,778	3,155	810	1,143
Grand total -----	11,117	15,848	7,135	9,246

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	366	953	379	441
Brazil -----	56	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	9,256	15,635	6,783	18,554
Finland -----	3,590	6,147	2,706	2,495
Hungary -----	0	0	0	0
Japan -----	2,339	4,514	1,783	2,580
Mexico -----	2	0	0	3
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	50	0	0
Spain -----	0	0	0	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	15,609	27,299	11,651	24,073
Other countries:				
Sweden -----	3,986	6,775	1,734	3,052
Canada -----	33	889	211	346
Anguilla -----	0	9	0	0
Total -----	4,019	7,673	1,945	3,398
Grand total -----	19,628	34,972	13,596	27,471

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	52	29	4	10
Brazil -----	550	313	241	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	41,504	46,605	21,958	24,962
Finland -----	6,296	6,045	3,230	775
Hungary -----	0	0	0	0
Japan -----	25,733	22,393	11,530	19,399
Mexico -----	18,819	8,814	5,135	5,472
Peoples Rep of China -----	21	0	0	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	9,450	7,845	4,062	3,528
Spain -----	13,700	14,153	4,731	6,111
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	5	0	0
Yugoslavia -----	0	0	0	0
Total -----	116,125	106,202	50,891	60,257
Other countries:				
Sweden -----	7,493	8,433	5,717	3,568
Canada -----	4,892	3,838	2,179	1,613
India -----	341	90	90	0
Honduras -----	0	19	19	0
Peru -----	0	2	2	0
Antigua -----	1	0	0	0
Norway -----	37	0	0	0
Turkey -----	0	0	0	1
Jordan -----	19	0	0	0
Hong Kong -----	41	0	0	0
All others -----	345	0	0	0
Total -----	13,169	12,382	8,007	5,181
Grand total -----	129,294	118,584	58,898	65,438

See footnote(s) at end of table.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	202	136	26	53
Brazil -----	675	480	369	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	65,434	91,017	37,084	55,180
Finland -----	9,834	13,459	5,915	2,280
Hungary -----	0	0	0	0
Japan -----	43,684	50,112	23,198	41,698
Mexico -----	30,157	16,454	8,203	12,918
Peoples Rep of China -----	29	0	0	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	14,459	17,343	7,457	9,250
Spain -----	20,342	31,308	7,828	14,188
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	21	0	0
Yugoslavia -----	0	0	0	0
Total -----	184,816	220,330	90,080	135,567
Other countries:				
Sweden -----	17,785	24,684	14,212	12,281
Canada -----	8,019	9,552	4,944	5,227
India -----	492	172	172	0
Honduras -----	0	35	35	0
Peru -----	0	26	26	0
Antigua -----	11	0	0	0
Norway -----	16	0	0	0
Turkey -----	0	0	0	3
All others -----	560	0	0	0
Total -----	26,883	34,469	19,389	17,511
Grand total -----	211,699	254,799	109,469	153,078

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	94	183	113	56
Brazil -----	1,450	3,827	1,916	2,163
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,899	8,421	4,990	2,887
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	19,259	16,715	7,751	6,626
Mexico -----	0	49	49	0
Peoples Rep of China -----	4	2	2	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	18	18	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,582	1,604	876	1,526
Spain -----	3,826	4,285	2,189	1,257
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	33,114	35,104	17,904	14,515
Other countries:				
Sweden -----	3,200	3,708	2,120	691
Canada -----	1,269	1,641	688	256
India -----	126	224	67	42
Taiwan -----	59	49	6	59
Hong Kong -----	0	1/	0	0
Switzerland -----	66	1/	1/	1/
Argentina -----	111	0	0	49
Bulgaria -----	46	0	0	0
Indonesia -----	0	0	0	2
Total-----	4,877	5,622	2,881	1,099
Grand total-----	37,991	40,726	20,785	15,614

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	257	412	261	147
Brazil -----	2,503	5,743	3,224	5,083
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	11,437	19,765	9,934	8,473
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	36,707	40,671	15,960	20,474
Mexico -----	0	163	163	0
Peoples Rep of China -----	75	40	40	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	30	30	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,294	3,389	1,521	4,396
Spain -----	6,889	10,122	4,552	3,687
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	62,162	80,335	35,685	42,260
Other countries:				
Sweden -----	6,180	8,981	4,471	2,391
Canada -----	2,136	3,608	1,356	963
India -----	199	420	105	92
Taiwan -----	108	162	17	166
Hong Kong -----	0	3	0	0
Switzerland -----	129	1	1	4
Argentina -----	201	0	0	87
Bulgaria -----	70	0	0	0
Indonesia -----	0	0	0	53
Total-----	9,023	13,175	5,950	3,756
Grand total-----	71,185	93,510	41,635	46,016

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	49	0	0
Brazil -----	874	964	406	172
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,482	6,898	3,367	4,639
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,544	5,483	2,593	2,932
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	868	375	286	89
Spain -----	1,542	1,979	913	958
Trinidad and Tobago -----	0	138	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	17	17	0
Total-----	14,310	15,903	7,582	8,790
Other countries:				
Sweden -----	3,955	3,159	1,935	1,893
Taiwan -----	47	148	90	0
Canada -----	0	1/	0	117
Total-----	4,002	3,307	2,025	2,010
Grand total-----	18,312	19,210	9,607	10,800

See footnote(s) at end of table.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	68	0	0
Brazil -----	1,224	1,543	556	475
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	11,089	17,917	7,380	14,884
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,927	11,611	4,572	7,823
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,150	552	410	228
Spain -----	2,539	5,122	2,206	2,881
Trinidad and Tobago -----	0	202	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	22	22	0
Total -----	24,929	37,037	15,146	26,291
Other countries:				
Sweden -----	6,995	7,916	3,850	6,270
Taiwan -----	72	328	171	0
Canada -----	0	2	0	330
Total -----	7,067	8,246	4,021	6,600
Grand total -----	31,996	45,283	19,167	32,891

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	1/	1/	1/	1/
Austria -----	37	25	5	49
Brazil -----	188	156	44	217
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	6,763	7,713	3,567	4,175
Finland -----	0	0	0	7
Hungary -----	0	0	0	0
Japan -----	4,254	4,719	1,882	2,582
Mexico -----	0	1	1	0
Peoples Rep of China -----	0	0	0	0
Poland -----	71	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	884	986	425	359
Spain -----	621	388	133	341
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	3	0	0
Yugoslavia -----	0	0	0	3
Total-----	12,818	13,991	6,057	7,733
Other countries:				
Sweden -----	2,555	2,685	1,420	1,526
Canada -----	2,043	2,277	1,301	1,243
Taiwan -----	1,462	1,221	460	731
Switzerland -----	47	268	123	213
India -----	77	209	59	526
Singapore -----	0	1/	0	0
Israel -----	65	0	0	0
Hong Kong -----	0	0	0	1/
New Zealand -----	15	0	0	0
Total-----	6,264	6,660	3,363	4,239
Grand total-----	19,082	20,651	9,420	11,972

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	64	39	16	37
Austria -----	172	117	27	242
Brazil -----	282	304	61	554
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	17,601	23,826	10,412	15,736
Finland -----	0	0	0	58
Hungary -----	0	0	0	0
Japan -----	13,957	18,705	7,238	10,749
Mexico -----	0	6	6	0
Peoples Rep of China -----	0	0	0	0
Poland -----	16	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,240	3,044	1,120	1,390
Spain -----	1,280	1,096	312	1,108
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	11	0	0
Yugoslavia -----	0	0	0	4
Total-----	35,612	47,148	19,192	29,878
Other countries:				
Sweden -----	10,548	12,922	6,180	8,333
Canada -----	6,960	9,650	5,056	6,682
Taiwan -----	3,797	3,824	1,307	2,539
Switzerland -----	170	1,254	471	983
India -----	159	414	111	1,188
Singapore -----	0	5	0	0
Israel -----	85	0	0	0
All others-----	49	0	0	4
Total-----	21,768	28,069	13,125	19,729
Grand total-----	57,380	75,217	32,317	49,607

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
	Quantity (short tons)			
VRA countries:				
Australia -----	0	23	10	0
Austria -----	395	756	421	419
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	4,430	6,694	3,990	6,849
Finland -----	0	1/	1/	0
Hungary -----	0	0	0	0
Japan -----	7,208	8,365	4,982	4,539
Mexico -----	781	950	486	239
Peoples Rep of China -----	0	0	0	4
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	1/
Korea, Republic of -----	517	392	235	310
Spain -----	88	388	177	626
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	13,419	17,568	10,301	12,986
Other countries:				
Canada -----	5,432	6,925	4,364	3,720
Taiwan -----	3,571	6,809	3,370	1,278
Sweden -----	4,016	5,253	2,955	2,514
Thailand -----	0	188	30	221
India -----	0	4	0	5
Israel -----	1/	4	3	1/
Switzerland -----	2	1	1/	6
New Zealand -----	0	1/	0	0
Norway -----	1/	0	0	1/
Malaysia -----	1/	0	0	4
All others -----	6	0	0	0
Total-----	13,027	19,184	10,722	7,748
Grand total-----	26,446	36,752	21,023	20,734

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	135	48	0
Austria -----	1,637	4,157	1,836	3,307
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	14,405	25,735	14,459	25,598
Finland -----	0	1	1	0
Hungary -----	0	0	0	0
Japan -----	22,587	31,923	17,115	24,948
Mexico -----	1,654	2,891	1,210	767
Peoples Rep of China -----	0	0	0	12
Poland -----	0	0	0	0
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	4
Korea, Republic of -----	1,412	1,255	727	1,101
Spain -----	282	1,726	644	2,946
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	41,977	67,823	36,040	58,683
Other countries:				
Canada -----	17,196	24,048	13,464	17,509
Taiwan -----	9,190	21,308	8,400	5,254
Sweden -----	12,414	22,285	11,026	13,889
Thailand -----	0	458	67	518
India -----	0	17	0	20
Israel -----	49	77	44	2
Switzerland -----	168	177	100	116
New Zealand -----	0	2	0	0
All others-----	25	0	0	20
Total-----	39,042	68,372	33,101	37,328
Grand total-----	81,019	136,195	69,141	96,011

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	19	0	0	18
Austria -----	2,693	2,538	1,413	1,290
Brazil -----	997	1,920	1,138	1,427
Czechoslovakia -----	0	21	2	0
East Germany -----	0	4	0	0
EC countries -----	10,302	12,795	7,076	15,821
Finland -----	22	5	0	0
Hungary -----	0	0	0	67
Japan -----	6,077	4,416	2,261	10,176
Mexico -----	139	346	204	88
Peoples Rep of China -----	1/	103	1/	70
Poland -----	304	249	40	99
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,388	779	522	714
Spain -----	47	30	5	18
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	21,988	23,206	12,661	29,788
Other countries:				
Sweden -----	11,669	12,254	6,558	13,352
Canada -----	6,868	8,573	4,795	5,692
Argentina -----	70	42	42	143
India -----	0	19	0	1/
Switzerland -----	1/	1/	0	0
United Arab Emirates -----	0	0	0	179
Malaysia -----	2	0	0	0
Taiwan -----	1/	0	0	0
Total-----	18,609	20,888	11,395	19,366
Grand total-----	40,597	44,094	24,056	49,154

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	31	0	0	41
Austria -----	5,895	6,561	3,574	3,544
Brazil -----	1,349	3,560	2,211	2,268
Czechoslovakia -----	0	33	12	0
East Germany -----	0	6	0	0
EC countries -----	18,504	23,173	12,649	21,529
Finland -----	37	15	0	0
Hungary -----	0	0	0	30
Japan -----	12,370	14,883	7,342	12,813
Mexico -----	142	434	254	122
Peoples Rep of China -----	4	149	13	87
Poland -----	454	468	62	239
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	2,097	1,303	861	1,039
Spain -----	54	40	24	32
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	40,937	50,625	27,002	41,744
Other countries:				
Sweden -----	28,049	30,589	14,579	21,799
Canada -----	9,342	12,019	6,529	7,447
Argentina -----	122	65	65	159
India -----	0	16	0	4
Switzerland -----	2	2	0	0
United Arab Emirates -----	0	0	0	149
Malaysia -----	1	0	0	0
Taiwan -----	1	0	0	0
Total-----	37,517	42,691	21,173	29,558
Grand total-----	78,454	93,316	48,175	71,302

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--June	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	20	24	10	19
Austria -----	3,368	3,901	2,054	1,915
Brazil -----	17,456	8,863	3,745	3,979
Czechoslovakia -----	0	21	2	0
East Germany -----	0	4	0	0
EC countries -----	85,998	100,430	50,668	66,541
Finland -----	8,687	8,780	4,672	1,586
Hungary -----	0	0	0	67
Japan -----	73,238	66,251	33,284	47,429
Mexico -----	19,741	10,160	5,875	5,805
Peoples Rep of China -----	26	106	2	74
Poland -----	375	323	66	366
Portugal -----	0	0	0	0
Romania -----	0	18	18	0
Republic of South Africa -----	0	0	0	1/
Korea, Republic of -----	15,689	12,105	6,405	6,526
Spain -----	20,193	27,906	8,586	19,626
Trinidad and Tobago -----	0	138	0	0
Venezuela -----	0	7	0	0
Yugoslavia -----	0	17	17	3
Total-----	244,791	239,054	115,404	153,936
Other countries:				
Canada -----	45,739	57,153	30,153	35,326
Sweden -----	42,482	52,761	29,647	30,243
Taiwan -----	5,484	8,227	3,926	2,068
India -----	544	546	216	574
Switzerland -----	116	270	124	219
Thailand -----	0	188	30	221
Argentina -----	181	42	42	193
Honduras -----	0	19	19	0
Anguilla -----	0	5	0	0
Israel -----	65	4	3	1/
All others-----	167	4	2	186
Total-----	94,778	119,219	64,162	69,030
Grand total-----	339,569	358,273	179,566	222,966

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January--June	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	95	174	63	78
Austria -----	8,529	12,639	6,124	7,733
Brazil -----	9,993	12,173	6,420	8,380
Czechoslovakia -----	0	33	12	0
East Germany -----	0	6	0	0
EC countries -----	152,144	223,422	101,635	160,608
Finland -----	13,461	19,623	8,622	4,833
Hungary -----	0	0	0	30
Japan -----	144,150	175,325	78,900	121,611
Mexico -----	31,955	19,948	9,836	13,818
Peoples Rep of China -----	108	189	53	99
Poland -----	470	570	95	712
Portugal -----	0	0	0	0
Romania -----	0	30	30	0
Republic of South Africa -----	0	0	0	4
Korea, Republic of -----	25,652	26,936	12,096	17,404
Spain -----	32,952	56,181	17,906	32,080
Trinidad and Tobago -----	0	202	0	0
Venezuela -----	0	32	0	0
Yugoslavia -----	0	22	22	4
Total -----	419,509	547,505	241,814	367,394
Other countries:				
Canada -----	68,819	112,639	54,519	82,542
Sweden -----	93,649	137,391	67,341	81,750
Taiwan -----	13,631	25,622	9,895	7,974
India -----	851	1,039	388	1,304
Switzerland -----	469	1,434	572	1,103
Thailand -----	0	458	67	518
Argentina -----	323	65	65	247
Honduras -----	0	35	35	0
Anguilla -----	0	9	0	0
Israel -----	134	77	44	6
All others-----	269	35	26	230
Total -----	178,145	278,804	132,952	175,674
Grand total -----	597,654	826,309	374,766	543,068

1/ Less than 0.5 short tons

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1987, 1988, and by specified periods, 1988 and 1989

(Per short ton)

Item	1987	1988	January-June	
			1988	1989
Carbon and certain alloy 1/2 steel:				
Semifinished 2/3-----	211	240	230	260
Plate-----	332	405	386	404
Sheet and strip:				
Hot rolled-----	308	364	349	385
Cold rolled-----	449	509	495	552
Galvanized-----	503	552	540	571
Tin plate-----	533	567	555	603
Tin free-----	509	542	530	564
Other coated-----	528	590	578	602
Average, sheet and strip-----	433	481	471	511
Bar:				
Hot finished-----	369	406	396	435
Cold finished-----	831	598	573	646
Reinforcing-----	248	262	245	301
Light shapes-----	315	382	367	355
Average, bar-----	400	396	389	421
Wire rod-----	313	347	333	374
Wire-----	631	691	676	732
Wire products-----	628	659	637	1,033
Structural shapes and units:				
Heavy structurals-----	304	376	365	374
Fabricated structurals-----	898	939	916	1,080
Average, structurals-----	378	436	427	435
Rails and related products-----	325	383	398	501
Pipe and tube:				
Oil country tubular goods-----	536	730	706	804
Line pipe-----	421	529	496	585
Mechanical pipe-----	623	675	623	708
Structural pipe-----	368	507	475	569
Pressure tubing-----	688	793	666	927
Other (incl. standard)-----	415	487	465	509
Average, pipe and tube-----	459	600	569	620
Average, carbon and certain alloy 1/2 steel-----	399	450	435	491

See footnotes at end of table.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1987, 1988, and by specified periods, 1988 and 1989

(Per short ton)

Item	1987	1988	January-June	
			1988	1989
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	816	1,490	1,441	1,667
Plate	1,766	2,207	1,906	2,971
Sheet and strip:				
Sheet	1,566	2,067	1,775	2,161
Strip	2,555	3,331	2,899	3,311
Average, sheet and strip:	1,637	2,149	1,859	2,339
Bars and shapes	1,874	2,296	2,003	2,947
Wire rod	1,747	2,357	1,995	3,045
Wire	3,007	3,642	3,431	4,144
Pipe and tube	3,063	3,706	3,289	4,630
Alloy tool steel (all forms):	1,932	2,116	2,003	1,451
Average, stainless and alloy steel	1,760	2,306	2,087	2,436

1/ Including alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987		1988		January-June	
					1988	1989
Quantity (short tons)						
Carbon and certain alloy <u>3/</u> steel:						
Semifinished <u>2/</u>						
Ingots-----	103,967	103,282	74,624	21,683		
Blooms and billets-----	426,208	581,907	335,978	298,015		
Slabs and sheet bars-----	1,702,095	2,097,383	1,170,124	750,316		
Total-----	2,232,270	2,782,572	1,580,726	1,070,013		
Plate:						
Carbon-----	1,450,898	1,750,917	937,595	639,666		
Alloy-----	104,678	106,172	58,124	50,649		
Total-----	1,555,577	1,857,090	995,719	690,315		
Sheet and strip:						
Hot rolled:						
Sheet-----	2,123,804	2,199,268	1,058,692	842,730		
Strip-----	43,197	49,553	22,334	55,868		
Cold rolled:						
Black plate-----	159,779	145,166	67,855	77,082		
Electrical-----	64,822	64,684	33,139	42,545		
Other sheet-----	2,156,348	2,011,242	1,018,212	784,302		
Other strip-----	135,227	126,534	70,570	58,928		
Galvanized-----	2,306,233	1,948,811	1,075,061	756,102		
Tin plate-----	332,306	294,552	144,048	176,345		
Tin free-----	101,172	97,460	46,699	57,473		
Other coated-----	323,709	248,111	128,638	120,452		
Total-----	7,746,596	7,185,380	3,665,249	2,971,828		
Bar:						
Hot rolled:						
Carbon-----	443,037	476,951	228,859	201,680		
Alloy-----	160,811	186,902	99,671	80,359		
Cold rolled:						
Carbon-----	152,283	161,345	84,595	64,430		
Alloy-----	40,927	52,093	25,280	24,759		
Reinforcing-----	351,632	357,253	147,927	164,210		
Light structural shapes-----	132,477	126,568	63,083	61,435		
Total-----	1,281,168	1,361,113	649,414	596,873		

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-June	
			1988	1989
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,341,257	1,355,951	744,533	524,491
Alloy-----	107,463	118,672	59,239	56,165
Wire:				
Carbon-----	504,898	486,699	259,328	233,378
Alloy-----	31,999	33,028	16,749	21,480
Wire products:				
Nails-----	440,746	364,748	188,779	179,698
Barbed wire-----	16,643	15,538	9,236	7,422
Wire fencing-----	13,263	12,052	6,943	26,897
Bale ties-----	1,719	1,849	869	583
Wire strand-----	98,898	88,300	41,660	81,669
Wire rope-----	65,683	77,564	34,987	61,279
Milliners wire-----	12,426	12,400	7,071	1/
Total-----	2,634,993	2,566,801	1,369,394	1,193,064
Structurals:				
Heavy-----	1,884,684	1,955,762	1,018,357	890,909
Fabricated-----	268,985	232,705	129,030	83,859
Total-----	2,153,669	2,188,467	1,147,387	974,768
Rails and related products:				
Rails-----	213,530	260,006	109,526	130,011
Joint bars and tie plates-----	13,969	8,487	7,574	9,917
Track spikes-----	370	205	149	3,981
Wheels and axles-----	18,120	50,734	25,819	29,984
Total-----	245,988	319,432	143,067	173,893
Pipes and tubes:				
Oil country tubular goods-----	594,463	1,032,296	564,131	175,534
Line pipe-----	526,047	507,914	279,934	217,377
Mechanical pipe-----	284,807	382,270	220,573	193,580
Structural pipe-----	428,758	278,870	157,803	170,141
Pressure tubing-----	27,122	52,100	29,861	26,890
Other (including standard)-----	887,446	996,487	545,015	369,821
Total-----	2,748,644	3,249,937	1,797,317	1,153,343

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-June	
			1988	1989
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	1,106	3,877	214	64
Blooms and billets-----	48,955	40,772	19,862	24,620
Slabs and sheet bars-----	6,664	17,758	8,564	15,319
Total-----	56,725	62,407	28,640	40,004
Plate-----	11,118	15,847	7,135	9,247
Sheet and strip:				
Sheet:				
Hot rolled-----	5,179	7,331	3,363	3,792
Cold rolled-----	114,806	103,577	51,181	51,500
Strip-----	9,309	7,676	4,355	10,146
Total-----	129,295	118,584	58,899	65,438
Bars and shapes-----	37,991	40,724	20,785	15,614
Wire rod-----	18,311	19,210	9,608	10,801
Wire-----	19,084	20,653	9,420	11,972
Pipe and tube-----	26,448	36,752	21,023	20,735
Alloy tool steel (all forms):				
Semifinished 2/-----	6,880	4,408	2,471	784
Bars-----	19,792	28,867	15,965	880
Other-----	13,927	10,820	5,619	47,489
Total-----	40,599	44,095	24,055	49,153

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January-June	
			1988	1989
Share of product group totals (percent)				
Carbon and certain alloy ^{3/} steel:				
Semifinished ^{2/}				
Ingots-----	4.66	3.71	4.72	2.03
Blooms and billets-----	19.09	20.91	21.25	27.85
Slabs and sheet bars-----	76.25	75.38	74.02	70.12
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	93.27	94.28	94.16	92.66
Alloy-----	6.73	5.72	5.84	7.34
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	27.42	30.61	28.88	28.36
Strip-----	0.56	0.69	0.61	1.88
Cold rolled:				
Black plate-----	2.06	2.02	1.85	2.59
Electrical-----	0.84	0.90	0.90	1.43
Other sheet-----	27.84	27.99	27.78	26.39
Other strip-----	1.75	1.76	1.93	1.98
Galvanized-----	29.77	27.12	29.33	25.44
Tin plate-----	4.29	4.10	3.93	5.93
Tin free-----	1.31	1.36	1.27	1.93
Other coated-----	4.18	3.45	3.51	4.05
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	34.58	35.04	35.24	33.79
Alloy-----	12.55	13.73	15.35	13.46
Cold rolled:				
Carbon-----	11.89	11.85	13.03	10.79
Alloy-----	3.19	3.83	3.89	4.15
Reinforcing-----	27.45	26.25	22.78	27.51
Light structural shapes-----	10.34	9.30	9.71	10.29
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-June	
			1988	1989
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	50.90	52.83	54.37	43.96
Alloy-----	4.08	4.62	4.33	4.71
Wire:				
Carbon-----	19.16	18.96	18.94	19.56
Alloy-----	1.21	1.29	1.22	1.80
Wire products:				
Nails-----	16.73	14.21	13.79	15.06
Barbed wire-----	0.63	0.61	0.67	0.62
Wire fencing-----	0.50	0.47	0.51	2.25
Bale ties-----	0.07	0.07	0.06	0.05
Wire strand-----	3.75	3.44	3.04	6.85
Wire rope-----	2.49	3.02	2.55	5.14
Milliners wire-----	0.47	0.48	0.52	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	87.51	89.37	88.75	91.40
Fabricated-----	12.49	10.63	11.25	8.60
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	86.80	81.40	76.56	74.77
Joint bars and tie plates-----	5.68	2.66	5.29	5.70
Track spikes-----	0.15	0.06	0.10	2.29
Wheels and axles-----	7.37	15.88	18.05	17.24
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	21.63	31.76	31.39	15.22
Line pipe-----	19.14	15.63	15.58	18.85
Mechanical pipe-----	10.36	11.76	12.27	16.78
Structural pipe-----	15.60	8.58	8.78	14.75
Pressure tubing-----	0.99	1.60	1.66	2.33
Other (including standard)-----	32.29	30.66	30.32	32.07
Total-----	100.00	100.00	100.00	100.00

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1987, 1988, and by specified periods, 1988 and 1989--Continued

Item	1987	1988	January-June	
			1988	1989
			Share of product group totals (percent)	
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	1.95	6.21	0.75	0.16
Blooms and billets-----	86.30	65.33	69.35	61.54
Slabs and sheet bars-----	11.75	28.45	29.90	38.29
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Sheet:				
Hot rolled-----	4.01	6.18	5.71	5.79
Cold rolled-----	88.79	87.34	86.90	78.70
Strip-----	7.20	6.47	7.39	15.51
Total-----	100.00	100.00	100.00	100.00
Bars and shapes-----	100.00	100.00	100.00	100.00
Wire rod-----	100.00	100.00	100.00	100.00
Wire-----	100.00	100.00	100.00	100.00
Pipe and tube-----	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished ^{2/} -----	16.95	10.00	10.27	1.60
Bars-----	48.75	65.47	66.37	1.79
Other-----	34.30	24.54	23.36	96.61
Total-----	100.00	100.00	100.00	100.00

^{1/} Milliners wire is included in total wire products.

^{2/} Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

^{3/} Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

**Table 32.--Steel mill products and certain fabricated steel products:
U.S. imports for consumption, by customs areas, 1987, 1988, and by
specified periods, 1988 and 1989**

(Short tons)

Item	1987	1988	January-June	
			1988	1989
Atlantic Coast	4,673,187	4,743,215	2,721,590	2,044,195
Great Lakes-Canadian border	6,594,724	6,342,613	2,766,925	2,533,030
Gulf Coast-Mexican border	4,930,247	5,938,464	3,444,769	2,372,183
Off-shore	374,262	403,506	164,577	225,006
Pacific Coast	4,366,056	4,441,267	2,429,976	1,872,646
Total	20,938,475	21,869,065	11,527,838	9,047,060

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 33.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Atlantic Coast customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-June	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	384,562	471,964	280,098	185,271
Plate-----	258,880	331,537	194,987	116,984
Sheet and strip-----	1,900,352	1,771,637	1,078,884	749,841
Bars and certain shapes-----	222,055	220,708	113,204	78,215
Wire rod-----	310,731	297,606	161,485	107,955
Wire-----	119,558	108,857	59,007	48,229
Wire products-----	266,335	220,011	106,917	127,645
Structural shapes and units-----	581,450	602,240	337,056	318,055
Rails and related products-----	25,273	36,885	21,508	18,482
Pipe and tube-----	462,405	523,784	289,212	165,910
Total-----	4,531,600	4,585,229	2,642,356	1,936,588
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	15,595	24,249	10,524	9,610
Plate-----	4,167	6,134	2,670	5,104
Sheet and strip-----	42,918	45,874	21,882	25,914
Bars and certain shapes-----	19,945	22,371	12,503	9,100
Wire rod-----	13,117	13,526	6,777	8,119
Wire-----	10,357	10,593	4,854	6,340
Pipe and tube-----	10,147	12,391	7,419	7,637
Tool steel (all forms)-----	25,340	22,848	12,606	35,782
Total-----	141,586	157,986	79,234	107,607
Grand Total-----	4,673,187	4,743,215	2,721,590	2,044,195

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 34.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Great Lakes-Canadian border customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-June	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	498,851	414,978	151,881	193,909
Plate-----	663,496	723,681	320,515	226,446
Sheet and strip-----	2,630,195	2,396,464	909,966	835,420
Bars and certain shapes-----	561,285	625,771	295,887	254,107
Wire rod-----	565,070	545,070	271,988	255,035
Wire-----	251,126	253,271	135,374	129,215
Wire products-----	95,457	83,750	47,325	54,497
Structural shapes and units-----	566,003	522,423	246,391	180,602
Rails and related products-----	107,729	179,981	66,762	79,461
Pipe and tube-----	564,259	488,579	268,364	266,508
Total-----	6,503,470	6,233,970	2,714,454	2,475,201
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	27,149	34,966	16,783	22,973
Plate-----	1,971	3,246	925	986
Sheet and strip-----	34,156	33,923	15,747	14,866
Bars and certain shapes-----	4,170	4,098	1,591	762
Wire rod-----	1,047	661	280	368
Wire-----	4,794	6,053	2,940	3,268
Pipe and tube-----	6,134	7,833	4,773	4,109
Tool steel (all forms)-----	11,832	17,864	9,434	10,498
Total-----	91,254	108,644	52,472	57,829
Grand Total-----	6,594,724	6,342,613	2,766,925	2,533,030

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 35.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Gulf Coast-Mexican border customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-June	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	866,421	1,061,770	685,029	416,905
Plate-----	419,658	567,614	343,277	235,663
Sheet and strip-----	1,515,043	1,558,244	901,737	697,075
Bars and certain shapes-----	131,573	137,056	77,105	73,372
Wire rod-----	257,709	349,946	216,898	111,995
Wire-----	76,094	64,524	33,547	32,468
Wire products-----	107,410	105,823	56,288	70,062
Structural shapes and units-----	473,758	493,074	255,510	206,775
Rails and related products-----	61,358	64,016	31,940	51,206
Pipe and tube-----	959,115	1,423,874	819,703	453,240
Total-----	4,868,139	5,895,942	3,421,034	2,338,760
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	13,974	3,131	1,293	7,421
Plate-----	2,714	3,233	2,039	2,122
Sheet and strip-----	29,042	16,038	9,716	12,139
Bars and certain shapes-----	5,951	6,668	3,262	2,301
Wire rod-----	1,117	1,220	568	836
Wire-----	1,350	606	325	616
Pipe and tube-----	6,665	10,896	6,098	7,059
Tool steel (all forms)-----	1,295	730	434	930
Total-----	62,108	42,523	23,736	33,423
Grand Total-----	4,930,247	5,938,464	3,444,769	2,372,183

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1/ Certain alloy refers to alloy steel other than stainless or tool steel.
2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 36.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Off-shore customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-June	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	0	3/	0	0
Plate-----	6,693	13,906	5,142	3,062
Sheet and strip-----	90,238	72,445	30,525	32,021
Bars and certain shapes-----	164,360	157,820	62,886	128,246
Wire rod-----	11,940	16,953	10,464	5,174
Wire-----	11,147	14,739	7,267	7,233
Wire products-----	7,285	10,190	4,987	3,239
Structural shapes and units-----	22,499	21,786	8,425	18,334
Rails and related products-----	445	88	7	212
Pipe and tube-----	58,545	93,829	34,132	26,377
Total-----	373,151	401,758	163,836	223,899
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	0	0	0	0
Plate-----	0	3/	3/	3/
Sheet and strip-----	1	0	0	36
Bars and certain shapes-----	0	15	0	3/
Wire rod-----	0	0	0	0
Wire-----	1,074	1,690	698	758
Pipe and tube-----	36	42	42	18
Tool steel (all forms)-----	0	0	0	295
Total-----	1,111	1,748	741	1,107
Grand Total-----	374,262	403,506	164,577	225,006

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

3/ Less than 0.5 short tons.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 37.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Pacific Coast customs area, 1987, 1988, and by specified periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-June	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	482,436	833,859	463,718	273,929
Plate-----	206,851	220,352	131,798	108,159
Sheet and strip-----	1,610,768	1,386,590	744,137	657,470
Bars and certain shapes-----	201,894	219,758	100,332	62,932
Wire rod-----	303,270	265,048	142,936	100,496
Wire-----	78,972	78,336	40,883	37,714
Wire products-----	172,890	152,677	74,028	102,106
Structural shapes and units-----	509,959	548,943	300,004	251,001
Rails and related products-----	51,183	38,461	22,850	24,532
Pipe and tube-----	704,321	649,871	385,906	231,307
Total-----	4,322,545	4,393,893	2,406,594	1,849,648
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	7	61	40	0
Plate-----	2,266	3,233	1,499	1,035
Sheet and strip-----	23,178	22,749	11,554	12,483
Bars and certain shapes-----	7,925	7,573	3,430	3,451
Wire rod-----	3,030	3,803	1,984	1,479
Wire-----	1,508	1,711	603	989
Pipe and tube-----	3,465	5,590	2,691	1,912
Tool steel (all forms)-----	2,132	2,653	1,582	1,649
Total-----	43,511	47,373	23,583	22,998
Grand Total-----	4,366,056	4,441,267	2,429,976	1,872,646

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Appendix A

**Definition of Certain Terms, and Description of the Products Subject
to the Investigation**

DEFINITIONS

1. Steel.--An alloy of iron and carbon which is malleable as first cast and which contains by weight 2 percent or less of carbon. Steel may contain other elements, but iron must predominate, by weight, over each of the other elements.

2. Carbon steel.--Steel, other than chromium, which contains by weight 2 percent or less of carbon, and in which none of the elements listed below meet or exceeds the quantity, by weight, respectively indicated:

1.65 percent of manganese, or
 0.25 percent of phosphorus, or
 0.35 percent of sulphur, or
 0.60 percent of silicon, or
 0.40 percent of copper, or
 0.30 percent of aluminum, or
 0.30 percent of chromium, or
 0.30 percent of cobalt, or
 0.40 percent of lead, or
 0.30 percent of nickel, or
 0.30 percent of tungsten, or
 0.10 percent of any other metallic element.

3. Alloy steel.--Steel which contains any of the elements listed in definition 2 (above) in excess of its specified quantity.

(i) Stainless steel.--Any alloy steel which contains by weight 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

(ii) Tool steel.--Alloy steel which contains the combinations of elements in the quantity, by weight, respectively indicated in Chapter XXII, subchapter III, section (viii) of the Harmonized Tariff Schedule of the United States (HTS). (See appendix B).

4. Galvanized.--Steel which has been coated or plated with zinc.

5. Hot-rolled.--Steel which has been reduced to its final thickness by heating and rolling the product at elevated temperature (usually above 2,200° F).

6. Cold-rolled.--Steel which has been reduced to its final thickness by rolling the product without heating it immediately prior to the rolling operation.

7. Continuous casting.--The method of producing semifinished products in which molten steel flows evenly into a caster where it is rapidly cooled, causing it to solidify directly into semifinished products such as slabs and billets.

8. Short ton.--Two thousand (2,000) pounds.

Unlike the TSUSA system of classification, the HTS do not differentiate by dimension those steel products formerly referred to as blooms and billets, slabs and sheet bars, plate, sheet, and strip. Instead, these products are included in two larger categories: flat rolled and semifinished (described below). However, for purposes of comparability with previous Monthly Reports, and in the interest of providing useful information and coverage of the steel industry, this report will continue to designate such product categories (e.g. blooms and billets, slab and sheet bars, plate, hot-rolled and cold rolled sheet, and strip). A partial basis for classification are those definitions found in Federal Register Notice 52897, December 29, 1988 (Appendix C).

9. Semifinished products include:

Continuous cast products of solid section, not presented in coils, whether or not subjected to primary hot-rolling.

Other products of solid section which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging, including blanks, angles, shapes, or sections.

For the purposes of this legislation semi-finished products are classified as follows:

(i) Ingots.--Castings resulting from the solidification of molten steel and having a columnar form suitable for working by rolling or forging. Ingots are included in AISI (American Iron and Steel Institute) product group No. 1A.

(A) Carbon and certain alloy ingots; provided for in items 7206.10.0000, 7206.90.0000, 7224.10.0090 of the Harmonized Tariff Schedules of the United States (HTS).

(ii) Blooms billets, slabs, and sheet bars.--Other continuous cast products solid cross section, which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging including blanks for angles, shapes or sections. These products are not presented in coils and are included in AISI product group No. 1B.

(B) Carbon and certain alloy blooms and billets; provided for in items 7207.11.0000, 7207.12.0010, 7207.19.0030, 7207.19.0090, 7207.20.0025, 7207.20.75, 7207.20.0090, 7224.90.0040, 7224.90.0060, of the HTS.

(C) Carbon and certain alloy slabs and sheet bars; provided for in items 7207.12.0050, 7207.20.0045, 7224.90.0050, 7224.90.0070 of the HTS.

(D) Stainless steel ingots; provided for in item 7218.10.0000 of the HTS.

(E) Stainless steel blooms and billets; provided for in items 7218.90.0010, 7218.90.0020, 7218.90.0030, 7218.90.0045, 7218.90.0055, 7218.90.0065, 7218.90.0070, 7218.90.0080 and 7218.90.0090 of the HTS.

(F) Stainless steel slabs and sheet bars; provided for in item 7218.90.0035 of the HTS.

10. Flat-rolled products.--Rolled products of solid rectangular (other than square) cross section, whether perforated, corrugated, polished, or with a pattern derived from rolling, which do not conform to the definition of semifinished products above in the form of:

- coils of successively superimposed layers, or
- straight lengths, which if of a thickness less than 4.75 mm are of a width measuring at least 10 times the thickness or if of a thickness of 4.75 mm or more are of a width which exceeds 150 mm and measures at least twice the thickness. Also those products of a shape other than rectangular or square of a width of 600 mm or more, not elsewhere specified.

(i) Plates.--Flat rolled products whether or not corrugated or crimped, in coils or cut to length. Plates are 4.7625 mm inch or more in thickness and, if not cold rolled, over 20.32 cm in width, or if cold rolled, over 30.45 cm in width. Plates are included in AISI product group No. 6. For the purposes of this investigation, plates are classified as follows:

(A) Carbon plate; provided for in items 7208.11.0000, 7208.12.0000, 7208.21.1000, 7208.21.5000, 7208.22.1000, 7208.22.5000, 7208.31.0000, 7208.32.0000, 7208.33.1000, 7208.33.5000, 7208.41.0000, 7208.42.0000, 7208.43.0000, 7210.90.1000, 7211.11.0000, 7211.12.0000, 7211.21.0000, 7211.22.0045, 7211.22.0090 of the HTS.

(B) Alloy plate; provided for in items 7225.30.3000, 7225.40.3000, 7225.50.6000, 7226.91.5000 of the HTS.

(C) Stainless steel plate; provided for in items 7219.11.0000, 7219.12.0000, 7219.21.0000, 7219.22.0000, 7219.31.0010, 7220.11.0000 of the HTS.

(ii) Sheets and strip.--Flat rolled products whether or not corrugated or crimped, in coils or cut to length. Sheet is less than 4.7625 mm in thickness and over 30.48 cm inches in width. Strip is less than 4.7625 mm in thickness, not over 30.48 cm in width and, if cold rolled, over 1.27 cm in width. Sheets and strip are included in AISI product group Nos. 28, 29, 29A, 30, 31, 32, 33A, 33B, 34, 34B, 35, 36, and 37. For the purposes of this investigation, sheets and strip are classified as follows:

(A) Hot-rolled carbon and alloy sheet--provided for in items 7208.13.1000, 7208.13.1350, 7208.14.1000, 7208.14.5000, 7208.23.1000, 7208.23.5030, 7208.23.5090, 7208.24.1000, 7208.24.5030, 7208.24.5090, 7208.34.1000, 7208.34.5000, 7208.35.1000, 7208.35.5000, 7208.44.0000, 7208.45.0000, 7225.30.7000, 7225.40.7000 of the HTS.

(B) Hot-rolled carbon and alloy strip; provided for in items 7211.19.1000, 7211.19.5000, 7211.29.1000, 7211.29.3000, 7211.29.5000, 7211.297030, 7211.29.7060, 7211.29.7090, 7226.91.7000 and 7226.91.8000 of the HTS.

(C) Cold-rolled carbon and alloy sheet and strip:

(a) Black plate; provided for in item 7209.24.1000 of the HTS.

(b) Electrical sheet and strip; provided for in items 7225.10.0000, 7226.10.1000, 7226.10.5030, 7226.10.5060 of the HTS.

(c) Other sheet; provided for in items 7209.11.0000, 7209.12.0030, 7209.12.0090, 7209.13.0030, 7209.13.0090, 7209.14.0030, 7209.14.0090, 7209.21.0000, 7209.22.0000, 7209.23.0000, 7209.24.5000, 7209.31.0000, 7209.32.0000, 7209.33.0000, 7209.34.0000, 7209.41.0000, 7209.42.000, 7209.43.0000, 7209.44.0000, 7210.70.3000, 7225.50.7000, 7225.50.8000 of the HTS.

(d) Other strip; provided for in items 7211.30.1030, 7211.30.1090, 7211.30.3000, 7211.30.5000, 7211.41.1000, 7211.41.3030, 7211.41.3090, 7211.41.5000, 7211.41.7030, 7211.41.7060, 7211.41.7090, 7211.49.1030, 7211.49.1090, 7211.49.3000, 7211.49.5030, 7211.49.5060, 7211.49.5090, 7212.40.1000, 7212.40.5000, 7226.92.5000, 7226.92.7000, 7226.92.8000, 7226.99.0000 of the HTS.

(D) Galvanized sheet and strip; provided for in items 7210.31.0000, 7210.39.0000, 7210.41.0000, 7210.49.0030, 7210.49.0090, 7210.70.6060, 7212.21.0000, 7212.29.0000, 7212.30.1030, 7212.30.1090, 7212.30.3000, and 7212.30.5000 of the HTS.

(E) Tin plate; provided for in items 7210.11.0000, 7210.12.0000, and 7212.10.0000 of the HTS.

(F) Tin free; provided for in item 7210.50.0000 of the HTS.

(G) Other metallic coated; provided for in items 7210.20.0000, 7210.60.0000, 7210.70.6090, 7210.90.6000, 7210.90.90000, 7212.50.0000, and 7212.60.0000 of the HTS.

(H) Stainless steel hot-rolled sheet; provided for in items 7219.13.0030, 7219.13.0060, 7219.14.0030, 7219.14.0060, 7219.23.0030, 7219.23.0060, 7219.24.0030, and 7219.24.0060 of the HTS.

(I) Stainless steel cold-rolled sheet; provided for in items 7219.32.0015, 7219.32.0030, 7219.32.0045, 7219.32.0060, 7219.33.0010, 7219.33.0015, 7219.33.0030, 7219.33.0045, 7219.33.0060, 7219.34.0010, 7219.34.0050, 7219.35.0010, and 7219.35.0050 of the HTS.

(J) Stainless steel strip; provided for in items 7220.12.1000, 7220.12.5000, 7220.20.1000, 7220.20.6000, 7220.20.7000, 7220.20.8000, 7220.20.9000, 7220.90.0000 of the HTS.

11. Bars.-- Hot-rolled products whether or not in irregularly wound coils, which have a solid cross section along their length in the shape of circles, segments of circles, ovals, rectangles (including squares), triangles, or other convex polygons. Such products may

- have indentations, ribs, grooves or other deformations produced during the rolling process (reinforcing bars and rods);
- be twisted after rolling

For purposes of this investigation the term "bars" also includes hollow drill steel, which is a hollow product suitable for making mining drills or mining drill rods, of which the greatest external dimension of the cross-section exceeds 15 mm but does not exceed 52 mm, and of which the greatest internal dimension does not exceed one-half of the greatest external dimension. Bars and hollow drill steel are found in AISI product groups nos. 14, 14A, 15, and 16.

For the purposes of this investigation, bars and light structural shapes are classified as follows:

(i) Hot-rolled carbon bars; provided for in items 7213.390060, 7213.49.0060, 7213.50.0060, 7214.10.0000, 7214.30.0000, 7214.40.0010, 7214.40.0030, 7214.40.0050, 7214.50.0010, 7214.50.0030, 7214.50.0050, 7214.60.0010, 7214.60.0030, 7214.60.0050, and 7215.90.1000 of the HTS, and included in AISI product group No. 14.

(ii) Hot-rolled alloy bars; provided for in items 7227.20.0000, 7227.90.6000, 7228.20.1000, 7228.30.8000, 7228.40.0000, 7228.60.6000, 7228.80.0000 of the HTS, and included in AISI product group No. 14.

(iii) Cold-formed carbon bars; provided for in items 7215.100000, 7215.20.0000, 7215.30.0000, 7215.40.0000, 7215.90.3000 and 7215.90.5000 of the HTS, and included in AISI product group No. 16.

(iv) Cold-formed alloy bars; provided for in items 7228.20.5000, 7228.50.5000, and 7228.60.8000 of the HTS, and included in AISI product group No. 16.

(v) Reinforcing carbon and certain alloy steel bars; which are hot-rolled steel bars, of solid cross section, having deformations of various patterns on their surfaces; provided for in items 7213.10.0000 and 7214.20.0000 of the HTS, and included in AISI product group No. 15.

(vi) Light structural shapes; which are bar-size light shapes having a cross-sectional dimension of less than 7.62 cm provided for in items 7216.10.0010, 7216.10.0050, 7216.21.0000, 7216.22.0000, 7228.70.3060, and 7228.70.3080 of the HTS, and included in AISI product group No. 14A.

(vii) Stainless steel bars and shapes; provided for in items 7221.10.0000, 7221.00.0060, 7221.00.0080, 7222.20.0030, 7222.20.0060, 7222.30.0000, 7222.40.3060, 7222.40.3080 of the HTS.

12. Wire rod and related products include:

(i) Wire rods.--Coiled, semifinished, hot-rolled products of solid cross section, approximately round in cross section, not under 14mm nor over 19mm in diameter. Wire rods are included in AISI product group No. 3.

For the purposes of this investigation, wire rod is classified as follows:

(A) Carbon steel wire rod; provided for in items 7213.31.3000, 7213.31.6000, 7213.39.0030, 7213.39.0090, 7213.41.3000, 7213.41.6000, 7213.49.0030, 7213.49.0090, 7213.50.0020, 7213.50.0040 and 7213.50.0080 of the HTS.

(B) Alloy steel wire rod; provided for in items 7227.20.0000, and 7227.90.6000 of the HTS.

(C) Stainless steel wire rod; provided for in items 7221.00.0020 and 7221.00.0040 of the HTS.

(ii) Steel wire.--Cold-formed products in coils, of any uniform solid cross section along their whole length, which do not conform to the definition of flat-rolled products. Steel wire is included in AISI product group No. 23.

For the purpose of this legislation, steel wire is classified as follows:

(A) Carbon steel wire; provided for in items 7217.11.1000, 7217.11.2000, 7217.11.3000, 7217.11.5020, 7217.11.5040, 7217.11.5060, 7217.11.5080, 7217.11.7030, 7217.11.7090, 7217.11.9000, 7217.12.1000, 7217.12.3030, 7217.12.3060, 7217.12.5000, 7217.12.7000, 7217.13.1000, 7217.13.3030, 7217.13.3060, 7217.13.5000, 7217.13.7000, 7217.19.5000, 7217.21.1000, 7217.21.3015, 7217.21.3030, 7217.31.3045, 7217.31.3060, 7217.21.3045, 7217.21.3060, 7217.21.3075, 7217.21.3090, 7217.21.5000, 7217.22.1015, 7217.22.1030, 7217.22.1050, 7217.22.5000, 7217.23.1015, 7217.23.1030, 7217.23.1050, 7217.23.5000, 7217.29.5000, 7217.31.1000, 7217.31.3015, 7217.31.3030, 7217.31.3045, 7217.31.3060, 7217.31.3075, 7217.31.3090, 7217.31.5000, 7217.32.1015, 7217.32.1030, 7217.32.1050, 7217.32.5000, 7217.33.1015, 7217.33.1030, 7217.33.1050, 7217.33.5000, and 7217.39.5000 of the HTS.

(B) Alloy steel wire; provided for in items 7229.20.000, 7229.90.1000, 7229.90.5015, 7229.90.5030, 7229.90.5050, 7229.90.9000 of the HTS.

(C) Stainless steel wire; provided for in items 7223.00.1015, 7223.00.1030, 7223.00.1045, 7223.00.1060, 7223.00.1075, 7223.00.5000, and 7223.00.9000 of the HTS.

(iii) Carbon and certain alloy steel wire products as defined by the following:

(A) Nails and brads, spikes, staples, and tacks are fasteners, of one piece construction, made of round wire, and not including thumb tacks, staples in strip form, corrugated fasteners, glaziers' points, hook nails, ring nails, or fasteners suitable for use in power-actuated hand tools; as provided for in items 7317.00.1000, 7317.00.5505, 7317.00.5510, 7317.00.5520, 7317.00.5530, 7317.00.5540, 7317.00.5550, 7317.00.5560, 7317.00.5570, 7317.00.5580, and 7317.00.5590, 7317.00.7500, and 8305.20.0000 of the HTS. Nails and staples, are included in AISI product group No. 51 (pt.).

(B) Barbed wire is a wire, or strand of twisted wires, armed with barbs or sharp points; as provided for in item 7313.00.0000 of the HTS. Barbed wire is included in AISI product group No. 52.

(C) Wire expanded metal, grill and fencing include whether or not galvanized wholly of round wire with a maximum cross-sectional diameter of 3 mm or more, having a mesh size of 100 cm³ or more, whether or not such wire is covered with plastics; as provided for in items 7314.20.0000, 7314.30.1000, 7314.30.5000, 7314.41.1000, 7314.42.0000, 7314.49.3000, 7314.49.6000, and 7314.50.0000 of the HTS. The products are included in AISI product group No. 50.

(D) Baling wire and ties, with or without buckles or fastenings and whether or not coated with paint or other substance; as provided for in item 7326.20.0010 of the HTS and included in AISI product group No. 53.

(E) Wire strand is two or more wires which together constitute one of the parts which are twisted together to form rope, cord, or cordage, suitable for fencing purposes, not fitted with fittings, not made up into articles, not of brass plated wire, not covered with nonmetallic material, as provided for in items 7312.10.1030, 7312.10.1060, 7312.10.3005, 7312.10.3015, 731.10.3045 7312.10.3065, 7312.10.3075, and 7312.10.3090 of the HTS. Wire strand is included in AISI product group No. 41.

(F) Wire ropes, cables, and cordage are products made by the twisting of a number of wire strands and are not covered with nonmetallic material, not fitted with fittings, not made up into articles, and, if valued 13 cents or more per pound, not of brass plated wire; as provided for in items 7312.10.6000, 7312.10.8000, 7312.10.9030, 7312.10.9060, and 7312.10.9090 of the HTS. Wire ropes, cables, and cordage are included in AISI product group No. 47.

13. Structurals.--Nontubular products not conforming completely to the respective specifications set forth in the HTS for semi-finished, flat-rolled, bars and rod or wire.

(i) Heavy structural shapes having a maximum cross-sectional dimension of 7.62 cm or more, and sheet piling; as provided for in items 7216.31.0000, 7216.32.0000, 7216.33.0030, 7216.33.0060, 7216.33.0090, 7216.40.0010, 7216.40.0050, 7216.50.0000, 7222.40.3020, 7222.40.3040, 7228.70.3020, 7228.70.3040, and 7301.10.0000 of the HTS and are included in AISI product group 4.

(ii) Fabricated structural units, which include columns, pillars, posts, beams, girders, and similar structural units; as provided for in items 7216.60.0000, 7216.90.0000, 7222.40.6000, 7228.70.6000, 7301.20.1000, 7301.20.5000, 7308.10.0000, 7308.20.0000, 7308.40.0000, 7308.90.3000, 7308.90.6000, 7308.90.9030, 7308.90.9090, 8430.49.4000 of the HTS. These products, are included in AISI product group No. 38 and 39.

14. Rails and related railway products as defined by the following:

(i) Rails are hot-rolled steel products, whether punched or not punched, weighing not less than 8 pounds per yard, with cross-sectional shapes intended for carrying wheel loads in railroad, railway, and crane runway applications; as provided for in items 7302.10.5000, 7302.10.1020, 7302.10.1040, 7302.10.1060, and 7302.10.1080 of the HTS. Rails are included in AISI product group Nos. 7, 8 and 41.

(ii) Joint bars are hot-rolled steel products, usually punched or slotted, designed to connect the ends of adjacent rails in track; tie plates are hot-rolled steel products which are punched to provide holes for spikes and have one or two shoulder sections as rail guides and are used to support rails in track, to maintain track gauge, and protect the ties; all the foregoing, as provided for in items 7302.20.0000, 7302.30.0000, 7302.40.0000, 7302.90.0000 of the HTS. Joint bars and tie plates are included in AISI product group Nos. 9 and 42.

(iii) Railway track spikes, of one piece construction, used to secure tie plates or ties; as provided for in item 7317.00.6530, 7317.00.6560 of the HTS. Railway track spikes are included in AISI product group No. 51 (pt.).

(iv) Railroad and railway (RR) axles and wheels, parts thereof, and axle bars; as provided for in items 8607.19.1000, 8607.19.2000 of the HTS. These articles are included in AISI product group No. 43.

15. Pipes and tubes and blanks therefor.--Tubular products, including hollow bars and hollow billets but not including hollow drill steel, of any cross-sectional configuration, by whatever process made, whether seamless, brazed, or welded and whether with an open or lock seam or joint. For the purposes of this investigation, pipes and tubes and blanks therefor are classified as follows:

(i) Oil country tubular goods, provided for in items 7304.20.1000, 7304.20.2000, 7304.20.3000, 7304.20.4000, 7304.20.5010, 7304.20.5050, 7304.20.6010, 7304.20.6050, 7304.20.7000, 7304.20.8000, 7305.20.2000, 7305.20.4000, 7305.20.6000, 7305.20.8000, 7306.20.1030, 7306.20.1090, 7306.20.2000, 7306.20.3000, 7306.20.4000, 7306.20.6010, 7306.20.6050, 7306.20.8010, 7306.20.8050 of the HTS. Oil country tubular goods are included in AISI product group No. 19.

(ii) Line pipe; provided for in items 7304.10.1020, 7304.10.1050, 7304.10.1080, 7304.10.5020, 7304.10.5050, 7304.10.5080, 7305.11.1030, 7305.11.1060, 7305.11.5000, 7305.12.1030, 7305.12.1060, 7305.12.5000, 7305.19.1030, 7305.19.1060, 7305.19.5000, 7306.10.1010, and 7306.10.1050 7306.10.5010, 7306.10.5050 of the HTS. Line pipe is included in AISI product group No. 20.

(iii) Mechanical pipe; provided for in items 7304.31.3000, 7304.31.6050, 7304.39.0050, 7304.39.0075, 7304.51.5000, 7304.51.5090, 7304.59.1000, 7304.59.6000, 7304.59.8000, 7304.90.5000, 7304.90.7000, 7306.30.1000, 7306.30.5015, 7306.30.5020, 7306.30.5035, 7306.3.5060, 7306.30.5075, 7306.50.1000, 7306.50.5030, 7306.50.5050, 7306.50.5070, 7306.60.5000, 7306.60.7000 of the HTS. Mechanical pipe is included in AISI product group 21A.

(iv) Structural pipe; provided for in items 7304.90.1000, 7304.903000, 7305.312000, 7305.31.4000, 7305.31.6000, 7306.30.3000, 7306.50.3000, 7306.60.1000, and 7306.60.3000 of the HTS. Structural pipe is included in AISI product category 22A.

(v) Pressure tubing; provided for in items 7304.31.6010, 7304.39.0005, 7304.51.5030, 7304.51.5050, 7304.59.2030, 7304.59.2050, 7306.30.5010 and 7306.50.5010 of the HTS. Pressure tubing is included in AISI product category 21B.

(vi) Stainless steel pipes and tubes; provided for in items 7304.41.0010, 7304.41.0050, 7304.49.0010, 7304.49.0030, 7304.49.0050, 7306.40.1000, 7306.40.5010, 7306.40.5030, 7306.40.5050, and 7306.40.5070 of the HTS. Stainless steel pipes and tubes are included in AISI product categories 21C and D.

(vii) Other, including standard; provided for in items 7304.39.0015, 7304.39.0030, 7304.39.0040, 7304.39.0070, 7304.39.0090, 7305.31.4000, 7305.39.1000, 7305.39.5000, 7305.90.1000, 7305.90.5000, 7306.30.5025, 7306.30.5030, 7306.30.5040, 7306.30.5050 and 7306.30.5065, 7306.30.5070, 7306.90.1000, 7306.90.5000 of the HTS. Other, including standard pipe is included in AISI product categories 18, 21E and 22B.

16. Alloy tool steel (all forms) provided for in items 7224.10.0030, 7224.90.0010, 7224.90.0020, 7224.90.0030, 7225.20.0000, 7225.30.1000, 7225.30.5030, 7225.30.5060, 7225.40.1015, 7225.40.1090, 7225.40.5030, 7225.40.5060, 7225.50.1030, 7225.50.1060, 7226.20.0000, 7226.91.1030, 7226.91.1060, 7226.91.3030, 7226.91.3060, 7226.92.1030, 7226.92.1060, 7226.92.3030, 7226.92.3060, 7227.10.0000, 7227.90.1030, 7227.90.1060, 7227.90.2030, 7227.90.2060, 7228.10.0010, 7228.10.0030, 7228.10.0060, 7228.30.2000, 7228.30.4000, 7228.30.6000, 7228.50.1010, 7228.50.1020, 7228.50.1040, 7228.50.1060, 7228.50.1080, 7228.60.1030, 7228.60.1060, and 7229.10.0000 of the HTS. Alloy tool steel is included in AISI product group No. 17. Consistent with previous Commission investigations and industry practice, tool steel of the type described in headnote 1(h) of chapter 72 of the HTS, which is commonly referred to as bearing steel, is included with "certain alloy" products.

Appendix B

**Definitions of Certain Specialty Steels
Including Alloy Tool Steel**

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SUBCHAPTER III

TEMPORARY MODIFICATIONS ESTABLISHED PURSUANT TO TRADE LEGISLATION

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1. This subchapter contains the temporary modifications of the provisions in the tariff schedule established pursuant to trade legislation. Unless otherwise stated, the modified provisions are effective until suspended or terminated. Unless the context requires otherwise, any article described in the provisions of this subchapter, for which rates of duty are herein provided, if entered during the period specified, is subject to duty at the rate set forth herein in lieu of the rate provided therefor in chapters 1 to 98.
2. For the purposes of subheadings 9903.17.05 through 9903.17.30, inclusive, the term "product of the European Economic Community" refers to products of the member states of this instrumentality which includes Belgium, Denmark, France, the Federal Republic of Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain and the United Kingdom.
3. For the purposes of subheadings 9903.41.05 and 9903.41.10, the duties provided for in this subchapter are cumulative duties which apply in addition to the duties otherwise imposed on the articles involved.
4. Additional duties and quantitative limitations on certain stainless steel and alloy tool steel.--The provisions of this note apply to subheadings 9903.72.00 through 9903.72.44 of this subchapter. The duties provided for in subheadings 9903.72.00 and 9903.72.01 and the quantitative limitations set forth in subheadings 9903.72.10 through 9903.72.34 are in addition to the duties provided for the subject articles in chapter 72 or in subheading 9808.00.30, where applicable.
 - (a) Definitions.--For the purposes of this subchapter:
 - (i) The term "restraint period" refers to a period provided for in the article description column for subheadings 9903.72.10 through 9903.72.34;
 - (ii) The terms "razor blade steel" and "chipper knife steel" are defined as provided in additional U.S. notes 1(d) and 1(f), respectively, to chapter 72;
 - (iii) The term "hand saw steel" refers to alloy tool steel which contains, in addition to iron, each of the following elements by weight in the amounts specified:

(A) carbon:	not less than 0.47 nor more than 0.53 percent;
(B) manganese:	not less than 0.6 nor more than 0.9 percent;
(C) sulfur:	none, or not more than 0.015 percent;
(D) phosphorus:	none, or not more than 0.025 percent;
(E) silicon:	not less than 0.1 nor more than 0.25 percent;
(F) chromium:	not less than 0.9 nor more than 1.1 percent;
(G) nickel:	not less than 0.5 nor more than 0.7 percent;
(H) molybdenum:	not less than 0.9 nor more than 1.1 percent; and
(I) vanadium:	not less than 0.08 percent nor more than 0.15 percent;
 - (iv) The term "plating grade 434 stainless steel flat-rolled products" refers to stainless steel flat-rolled products, not under 1.387 mm and not over 1.651 mm in thickness, not under 64.77 cm and not over 66.675 cm in width, containing by weight not more than 0.12 percent carbon; not less than 16 percent nor more than 18 percent chromium; and not less than 0.75 percent nor more than 1.25 percent molybdenum; certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of stainless steel-clad-aluminum automobile trim;
 - (v) The term "stainless steel of the type described in U.S. note 4(a)(v) to this subchapter" refers to the stainless steel grades described in either subparagraph (A) or (B) below which contain, in addition to iron, each of the following elements by weight in the amounts specified:

(A) carbon:	not more than 0.02 percent;
silicon:	not less than 0.2 percent nor more than 0.6 percent;
manganese:	not less than 0.2 percent nor more than 1 percent;
chromium:	not less than 18.5 percent nor more than 20.5 percent;
nickel:	not less than 17.5 percent nor more than 18.5 percent;
molybdenum:	not less than 6 percent nor more than 6.5 percent;
nitrogen:	not less than 0.18 percent nor more than 0.22 percent;
copper:	not less than 0.5 percent nor more than 1 percent;
sulfur:	not more than 0.03 percent;
phosphorus:	not more than 0.04 percent; or

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(h) Regarding shipments of mold blocks from Canada into the United States:

- (1) The term "mold blocks" refers to products of either stainless steel bar or alloy tool steel whose chemistry meets that of either H13 hot-work tool steel forged bars, P20 mold steel forged bars, or hardenable Cr stainless steel 420 forged bars, as defined in subparagraphs (a), (b), and (c) below:
- (A) "H13 hot-work tool steel forged bars" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.32 percent nor more than 0.45 percent carbon; not less than 4.75 percent nor more than 5.50 percent chromium; not less than 0.20 percent nor more than 0.5 percent manganese; not less than 1.10 percent nor more than 1.75 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; not less than 0.80 percent nor more than 1.20 percent silicon; and not less than 0.80 percent nor more than 1.20 percent vanadium.
- (B) "P20 mold steel forged blocks" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.28 percent nor more than 0.40 percent carbon; not less than 1.40 percent nor more than 2.00 percent chromium; not less than 0.60 percent nor more than 1.00 percent manganese; not less than 0.30 percent nor more than 0.55 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; and not less than 0.20 percent nor more than 0.80 percent silicon.
- (C) "Hardenable Cr Stainless Steel 420 forged bars" refers to stainless steel forged bars containing by weight over 0.15 percent carbon; not less than 12.00 percent nor more than 14 percent chromium; not more than 1.00 percent manganese; not more than 0.040 percent phosphorous; not more than 0.030 percent sulfur; not more than 1.00 percent silicon.
- (ii) Mold blocks may only be forged bars of P20 mold steel, forged bars of H13 hot-work tool steel, and hardenable Cr stainless steel 420 forged bars of Canadian origin which are used in the United States to produce plastic injection molds, die-casting molds, and metal forming dies for automotive components. If rectangular, these bars must be between 10.16 and 101.6 cm in thickness and between 33.02 and 182.88 cm in width. Round bars of these steels must be between 20.32 and 60.96 cm in diameter. The rectangular bars must be machined on four faces at 90 degrees. In addition, one surface must be machined not to exceed 250AA roughness height (250 R.M.S. value), and surfaces must be perpendicular within 0.1588 cm. The round bars must be machined on both end faces, and their periphery must be machined not to exceed 250AA roughness height (250 R.M.S. value).
- (iii) In order for the product to be considered a mold block, the Canadian government and the importer must certify that the product meets the requirements set forth in subparagraphs (i) and (ii) above. The Canadian government will certify that the tonnage in the shipment, when added to other such certified shipments during the same restraint period, does not exceed the tonnage allowed under subheading 9903.72.40, 9903.72.42, or 9903.72.44, as appropriate. Such certification must be endorsed by the competent Canadian government authorities and presented to U.S. Customs at the time of entry into the United States.
- (iv) The Government of the United States will allow entry of such mold blocks only to the extent that the quantity of mold blocks entered does not exceed the quantities set forth in subheadings 9903.72.40, 9903.72.42, and 9903.72.44, respectively. Entries in excess of such quantity will be subject to the restraint levels described in subheadings 9903.72.10, 9903.72.12, 9903.72.14, 9903.72.30, 9903.72.32, and 9903.72.34, as appropriate.

Quantitative limitations on certain tungsten articles.--The provisions of this note apply to subheadings 9903.28.05 through 9903.28.25, inclusive. The limitations imposed are in addition to the duties provided for the restrained articles in chapter 28 or in chapter 88, where applicable. The quantitative limitations shall include imports entered, or withdrawn from warehouse for consumption, informal entries, temporary imports under bond, and imports under chapter 98.

(a) Definitions.--For purposes of this subchapter--

- (1) the term "tungsten articles" means ammonium paratungstate provided for in subheading 2841.80 and tungstic acid provided for in subheading 2825.90.50;
- (b) Export certificate.--Effective January 1, 1988, none of the tungsten articles provided for herein that are exported from the People's Republic of China (the PRC) shall be entered, or withdrawn from warehouse for consumption, unless such tungsten articles are accompanied by a validated export certificate issued by the competent authority of the Government of the People's Republic of China;
- (c) Carryover.--Whenever the specified limit of imports has not been entered during a period, an amount not to exceed 5 percent (except that the United States Trade Representative may by prior determination permit a carryover of greater than 5 percent) of the limit specified in the period in which the shortfall occurred may be entered in the subsequent period.

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(F)	carbon:	not less than 0.92 percent nor more than 1.02 percent;
	manganese:	not less than 0.25 percent nor more than 0.4 percent;
	sulfur:	not more than 0.025 percent;
	phosphorus:	not more than 0.025 percent;
	silicon:	not less than 0.25 percent nor more than 0.4 percent;
	chromium:	not less than 1.65 percent nor more than 1.95 percent;
	nickel:	not more than 0.25 percent;
	copper:	not more than 0.35 percent;
	molybdenum:	not less than 0.18 percent nor more than 0.4 percent;
	aluminum:	not more than 0.05 percent;

certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of ball or roller bearings.

- (ix) The term "stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter" refers to stainless steel which contains by weight less than 1 percent carbon and over 11.5 percent chromium.
- (b) **Shortfall.** --During the last 30-day period of a restraint period, if the United States Trade Representative (USTR) determines that any quota quantity under an item hereof is unlikely to be used during that restraint period, the USTR may, to the extent permitted by law, modify the quota quantity for that item during the remainder of that restraint period to reallocate the shortfall or any portion thereof to the quota quantity of any other item, such modifications to be effective on the date of their publication in the Federal Register.
- (c) **Carryover.** --Whenever the quota quantity specified for any of the individually named countries for an item has not been entered during any semi-annual restraint period, entry may be made during the subsequent semi-annual restraint period of an amount up to 20 percent (10 percent in the case of shortfalls occurring in the second semi-annual restraint period in any quota year) of the base limit for the restraint period in which the shortfall occurs, but not to exceed the difference between the quota quantity specified for such restraint period and the amount entered during that period; and such amount shall not be counted against the quota quantity thereof.
- (d) **Exceeding restraint levels.** --The restraint level for any quota quantity allocated to any of the individually named countries may be exceeded by not more than 10 percent during the first semi-annual restraint period in any quota year, by not more than 3 percent in the second semi-annual restraint period in any quota year and shall not be exceeded in the period from July 20, 1989 through September 30, 1989. If a quota quantity is exceeded during a restraint period, a downward adjustment of the corresponding quota quantity for the next semi-annual restraint period in the absolute amount the preceding restraint level was exceeded shall be made.
- (e) **Adjustments.** --If any country-by-country allocations of quota quantities are made by the USTR, the USTR may make the necessary adjustments to the appropriate quota quantities.
- (f) **United States International Trade Commission (USITC) surveys.** --The USITC shall conduct annual mandatory surveys with respect to the products subject to import relief under each item involved to obtain from domestic producers data by calendar quarter on profits, orders and inventories, and annual data on production, shipments, employment, capital expenditures, capacity, and research and development expenditures. The initial survey shall cover calendar year 1987, and the results shall be published by March 31, 1988. The final survey shall cover calendar year 1988, and the results shall be published by March 31, 1989. With each annual survey, the USITC shall also report the production, capacity and capacity utilization, to the extent the information can be obtained, for each country which is a major supplier of imports, and any projected changes in production, capacity and capacity utilization for those countries.
- (g) **Products Subject to Certain Export Restraint Agreements.** --
- (i) The duties provided for in subheadings 9903.72.00 and 9903.72.01 shall not apply to products of Australia, Austria, Brazil, Czechoslovakia, the European Communities, German Democratic Republic, Hungary, Japan, Mexico, People's Republic of China, Poland, the Republic of Korea, Romania, South Africa, Venezuela or Yugoslavia, exported to the United States on or after March 1, 1986. The duties provided for in subheadings 9903.72.00 and 9903.72.01 shall not apply to products of Trinidad and Tobago exported to the United States on or after October 15, 1987.
 - (ii) The quantitative limitations provided for in subheadings 9903.72.10 through 9903.72.24, inclusive, shall not apply to products of Brazil, or the following Member States of the European Communities: Belgium, Denmark, Federal Republic of Germany, France, Greece, Ireland, Italy, Luxembourg, the Netherlands, and the United Kingdom of Great Britain and Northern Ireland.
 - (iii) The quantitative limitations provided for in subheadings 9903.72.30 through 9903.72.34, inclusive, shall not apply to products of Austria, Brazil, or the following Member States of the European Communities: Belgium, Denmark, Federal Republic of Germany, France, Greece, Ireland, Italy, Luxembourg, the Netherlands, and the United Kingdom of Great Britain and Northern Ireland.

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(b) Regarding shipments of mold blocks from Canada into the United States:

(i) The term "mold blocks" refers to products of either stainless steel bar or alloy tool steel whose chemistry meets that of either H13 hot-work tool steel forged bars, P20 mold steel forged bars, or hardenable Cr stainless steel 420 forged bars, as defined in subparagraphs (a), (b), and (c) below:

(A) "H13 hot-work tool steel forged bars" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.32 percent nor more than 0.45 percent carbon; not less than 4.75 percent nor more than 5.50 percent chromium; not less than 0.20 percent nor more than 0.5 percent manganese; not less than 1.10 percent nor more than 1.75 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; not less than 0.80 percent nor more than 1.20 percent silicon; and not less than 0.80 percent nor more than 1.20 percent vanadium.

(B) "P20 mold steel forged blocks" refers to forged bars of the alloy tool steel grade containing by weight, in addition to iron, not less than 0.28 percent nor more than 0.40 percent carbon; not less than 1.40 percent nor more than 2.00 percent chromium; not less than 0.60 percent nor more than 1.00 percent manganese; not less than 0.30 percent nor more than 0.55 percent molybdenum; not more than 0.030 percent phosphorous; not more than 0.030 percent sulfur; and not less than 0.20 percent nor more than 0.80 percent silicon.

(C) "Hardenable Cr Stainless Steel 420 forged bars" refers to stainless steel forged bars containing by weight over 0.15 percent carbon; not less than 12.00 percent nor more than 14 percent chromium; not more than 1.00 percent manganese; not more than 0.040 percent phosphorous; not more than 0.030 percent sulfur; not more than 1.00 percent silicon.

(ii) Mold blocks may only be forged bars of P20 mold steel, forged bars of H13 hot-work tool steel, and hardenable Cr stainless steel 420 forged bars of Canadian origin which are used in the United States to produce plastic injection molds, die-casting molds, and metal forming dies for automotive components. If rectangular, these bars must be between 10.16 and 101.6 cm in thickness and between 33.02 and 182.88 cm in width. Round bars of these steels must be between 20.32 and 80.96 cm in diameter. The rectangular bars must be machined on four faces at 90 degrees. In addition, one surface must be machined not to exceed 250AA roughness height (250 R.M.S. value), and surfaces must be perpendicular within 0.1588 cm. The round bars must be machined on both end faces, and their periphery must be machined not to exceed 250AA roughness height (250 R.M.S. value).

(iii) In order for the product to be considered a mold block, the Canadian government and the importer must certify that the product meets the requirements set forth in subparagraphs (i) and (ii) above. The Canadian government will certify that the tonnage in the shipment, when added to other such certified shipments during the same restraint period, does not exceed the tonnage allowed under subheading 9903.72.40, 9903.72.42, or 9903.72.44, as appropriate. Such certification must be endorsed by the competent Canadian government authorities and presented to U.S. Customs at the time of entry into the United States.

(iv) The Government of the United States will allow entry of such mold blocks only to the extent that the quantity of mold blocks entered does not exceed the quantities set forth in subheadings 9903.72.40, 9903.72.42, and 9903.72.44, respectively. Entries in excess of such quantity will be subject to the restraint levels described in subheadings 9903.72.10, 9903.72.12, 9903.72.14, 9903.72.30, 9903.72.32, and 9903.72.34, as appropriate.

Quantitative limitations on certain tungsten articles.--The provisions of this note apply to subheadings 9903.28.05 through 9903.28.25, inclusive. The limitations imposed are in addition to the duties provided for the restrained articles in chapter 28 or in chapter 98, where applicable. The quantitative limitations shall include imports entered, or withdrawn from warehouse for consumption, informal entries, temporary imports under bond, and imports under chapter 98.

(a) Definitions.--For purposes of this subchapter--

(i) the term "tungsten articles" means ammonium paratungstate provided for in subheading 2841.80 and tungstic acid provided for in subheading 2825.90.50;

(b) Export certificate.--Effective January 1, 1988, none of the tungsten articles provided for herein that are exported from the People's Republic of China (the PRC) shall be entered, or withdrawn from warehouse for consumption, unless such tungsten articles are accompanied by a validated export certificate issued by the competent authority of the Government of the People's Republic of China;

(c) Carryover.--Whenever the specified limit of imports has not been entered during a period, an amount not to exceed 5 percent (except that the United States Trade Representative may by prior determination permit a carryover of greater than 5 percent) of the limit specified in the period in which the shortfall occurred may be entered in the subsequent period.

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- (d) Specified percentage limits.—The USIA may by Federal Register notice authorize an increase in the specified limits of imports by not more than 10 percent during any period, except that the USIA may by prior determination permit an increase of greater than 10 percent. If a specified limit of imports is exceeded during a period, there shall be a downward adjustment of the specified limit for the next period in the amount the preceding specified limit was exceeded. To the extent that imports of the tungsten articles provided for herein exceed 771,114 kilograms tungsten content for calendar year 1967, the specified limits for subsequent periods will be reduced according to the following schedule: the 1968 calendar year specified limit shall be reduced by 30 percent of the excess; the specified limit of 1969 shall be reduced by 20 percent of the excess.
- (e) United States International Trade Commission (USITC) surveys.—The USITC shall conduct annual surveys (pursuant to section 333 of the Tariff Act of 1930) to obtain data on emission percentages, tungsten acid and tungsten oxide (provided for in subheading 2825.90.30) from producers in the United States by calendar quarter on shipments, profits, capacity and capacity utilization, and annual data on capital expenditures and research and development expenditures; and to obtain data on such products from importers by calendar quarter on prices, orders, and inventories. The initial survey shall cover calendar year 1967 and shall be published by March 31, 1968, and the results of subsequent annual surveys shall be published on March 31 of each year thereafter as long as the agreement is in effect.
- (f) Adjustment of import limitations.—Imports accounting for no more than 65 percent of each annual specified limit may be entered in any two consecutive quarters in that year unless authorized by a determination of the USIA.
6. The following provisions have been suspended pursuant to executive action: subheadings 9903.04.05 through 9903.04.35, inclusive; subheadings 9903.23.00 through 9903.23.35, inclusive; subheading 9903.41.25, and subheadings 9903.41.35 through 9903.41.45, inclusive.

Appendix C

**Definitions of Certain Steel Products and
Specialty Steel Relief Provisions
(Federal Register Notice 52897)**

**OFFICE OF THE UNITED STATES
TRADE REPRESENTATIVE**
**Implementation of Modifications in
Specialty Steel Import Relief**

Assistant Office of the United States
Trade Representative.

ACTING NOTICE

SUMMARY: This notice converts to the Harmonized System product definitions for imports of certain specialty steel subject to increased tariffs or quotas and makes modifications to the Harmonized Tariff schedule of the United States to implement such conversions.

EFFECTIVE DATE: January 1, 1989.

FOR FURTHER INFORMATION CONTACT: Robert Cassidy, Office of the United States Trade Representative, (202) 306-4910 or Michael Rollin, Office of Agreements Compliance, Import Administration, Department of Commerce, (202) 377-4037.

REGULATORY INFORMATION: Presidential Proclamation 5679 of July 18, 1987 (53 FR 27308) provided for the temporary imposition of increased tariffs and quantitative restrictions on certain stainless steel and alloy tool steel imported into the United States, pursuant to section 205 of the Trade Act of 1974. Proclamation 5679 authorizes the U.S. Trade Representative to take such actions and perform such functions for the United States as may be necessary to administer and implement the relief, including negotiating orderly marketing agreements and allocating quotas quantities on a country-by-country basis. The U.S. Trade Representative is also authorized to make modifications in the TSUS headings of items proclaimed by the President in order to implement such actions.

On January 1, 1989, the TSUS will be replaced by the Harmonized Tariff Schedule of the United States (HTS). Accordingly, the U.S. Trade Representative has determined that the following revisions to Chapter 94, subchapter III, of the HTS are required for continued implementation of Proclamation 5679 after December 31, 1988.

Replace the entire text of U.S. note 4(e)(1) with the following:

The term "razor blade steel of the type described in U.S. note 4(a)(1) to this subchapter" refers to products of stainless steel of the type described in U.S. note 4(a)(1) to this subchapter, which are flat rolled, and over 0.25mm in thickness and over 2.52mm in width—and, when cold rolled, are over 1.27mm in width—contains by weight not less than 11.5 percent, and not

over 14.7 percent chromium, and are certified at the time of entry to be used in the manufacture of razor blades. The terms "concrete reinforcing bars and rods," "chipper knife steel," and "ball bearing steel" are defined as provided in additional U.S. notes 11(c), 11(f) and 11(h), respectively, the chapter 72.

Replace the entire text of U.S. note 4(e)(1) with the following:

The term "chipper valve steel" refers to products of stainless steel of the type described in U.S. note 4(a)(1) to this subchapter, which are flat rolled, not over 1.27mm in thickness and not over 30.48cm in width—and, when cold rolled, are over 1.27cm in width—and are certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of stainless steel (chipper) valves for compressors.

Replace the entire text of U.S. note 4(e)(1) with the following:

The term "razor steel for hypodermic syringe" refers to products of tool steel of the type described in U.S. note 4(a)(1) to this subchapter, which are flat rolled, not over 1.27mm in thickness and not over 30.48cm in width—and, when cold rolled, are over 1.27cm in width—contains by weight not less than 0.5 percent carbon and not less than 5.5 percent tungsten, and are certified by the importer of record or the ultimate consignee at the time of entry for use in the manufacture of razor blades or caps for hypodermic syringe.

Replace the period (" ") at the end of U.S. note 4(a)(1) with a semicolon (";"). Insert the following new U.S. notes after U.S. note 4(a)(1):

4(a)(1) The term "alloy steel of the type described in U.S. note 4(a)(1) to this subchapter" refers to steel which contains one or more of the following elements in the quantity, by weight, respectively indicated: over 1.65 percent manganese, or over 0.25 percent phosphorus, or over 0.30 percent sulfur, or over 0.60 percent silicon, or over 0.60 percent copper, or over 0.20 percent aluminum, or over 0.20 percent chromium, or over 0.20 percent cobalt, or over 0.25 percent lead, or over 0.50 percent nickel, or over 0.20 percent tungsten, or over 0.10 percent of any other metallic element.

4(a)(1) The term "tool steel of the type described in U.S. note 4(a)(1) to this subchapter" refers to alloy steel of the type described in U.S. note 4(a)(1) to this subchapter containing the following combination of elements in the quantity, by weight, respectively indicated:

- (A) Not less than 1.0 percent carbon and over 11.0 percent chromium; or
- (B) Not less than 0.5 percent carbon and 1.25 percent of 11.0 percent inclusive chromium; or
- (C) Not less than 0.65 percent carbon and 1.0 percent to 1.8 percent inclusive manganese;

(D) 0.8 percent to 1.2 percent inclusive chromium and 0.9 percent to 1.4 percent inclusive molybdenum; or

(E) Not less than 0.8 percent carbon and not less than 1.5 percent molybdenum; or

(F) Not less than 0.5 percent carbon and not less than 5.5 percent tungsten.

4(a)(1) The term "high speed tool steel of the type described in U.S. note 4(a)(1) to this subchapter" refers to all tool steel of the type described in U.S. note 4(a)(1) to this subchapter containing by weight not less than 0.5 percent carbon and not less than 1.5 percent molybdenum, or not less than 0.5 percent carbon and not less than 5.5 percent tungsten.

4(a)(1) The term "plate of the type described in U.S. note 4(a)(1) to this subchapter" refers to products which are flat rolled, whether or not corrugated or crimped, 4.75mm or more in thickness and over 30.48cm in width when hot rolled or over 30.48cm in width when cold rolled.

4(a)(1) The term "sheet of the type described in U.S. note 4(a)(1) to this subchapter" refers to products which are flat rolled, whether or not corrugated or crimped, less than 4.75mm in thickness and over 30.48cm in width and, if cold rolled, over 1.27cm in width.

4(a)(1) The term "strip of the type described in U.S. note 4(a)(1) to this subchapter" refers to products which are either cold drawn, in coils, of any cross-sectional configuration and not over 17.28mm in maximum gross-sectional dimension; or in coils with a cold rolled finish, of solid rectangular cross section, not over 6.35mm in thickness and not over 1.27cm in width.

4(a)(1) The term "wire rod of the type described in U.S. note 4(a)(1) to this subchapter" refers to products which are hot rolled, in coils, approximately round in cross section, and at least 5.08mm but not exceeding 16.78mm in diameter.

Replace the entire text of subheading 9028.72.00 with the following:

Flat rolled products and bars and rods which have been flat rolled, all the foregoing of stainless steel of the type described in U.S. note 4(a)(1) to this subchapter, under 4.75mm in thickness and, if cold rolled, over 1.27mm in width (except when: over 30.48cm in width and coated, plated or clad with metal 30.48cm or under in width and electrolytically coated or plated, with base metal other than tin, lead or zinc; cut, pressed or stamped; to nonrectangular shape; worked after rolling other than by corrugation; or crimping; as provided for in U.S. note 4(a)(1) to this subchapter; razor blade steel of the type described in U.S. note 4(a)(1) to this subchapter; cladding grade 414 stainless steel; flat-rolled products over 30.48cm in width; cold-rolled flat-rolled products of stainless steel over 180.34cm in width; stainless steel of the type described in U.S. note 4(a)(1) to

this subchapter; and flapper valve steel) provided for in subheading 7219.12, 7219.13, 7219.14, 7219.22, 7219.23, 7219.24, 7219.31, 7219.32, 7219.33, 7219.34, 7219.35, 7219.90, 7220.11, 7220.12.10, 7220.12.50, 7220.20.10, 7220.20.60, 7220.20.70, 7220.20.90, 7220.90, 7222.10, 7222.28, 7222.30 or 7223.00.50, all the foregoing, whether or not entitled to duty-free treatment under subheading 9808.00.30 . . .

Replace the entire text of subheading 9903.72.01 with the following:

Flat-rolled products and bars and rods which have been flat-rolled, all the foregoing of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter, 4.7625mm or more in thickness, over 20.32cm in width if hot rolled or over 30.48cm in width if cold

rolled (except if: coated, plated or clad with metal; cut, pressed or stamped to nonrectangular shape; worked after rolling other than by corrugation or crimping; as provided for in U.S. note 4(g)(i) to this subchapter; and stainless steel of the type described in U.S. note 4(a)(v) to this subchapter) provided for in subheading 7219.11, 7219.12, 7219.21, 7219.22, 7219.31, 7219.90, 7220.11, 7220.20.10, 7220.90, 7222.10, 7220.20 or 7222.30, all the foregoing, whether or not entitled to duty-free treatment under subheading 9808.00.30 . . .

Replace the entire text of the superior heading, at the first indentation, to subheadings 9903.72.10, 9903.72.12 and 9903.72.14 with the following:

Bars and rods, flat-rolled products and wire, all the foregoing of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter (except if: worked after rolling other than by corrugation or crimping; plate, sheet, strip, wire and wire rod of the type described in U.S. notes 4(a)(xiii), 4(a)(xiv), 4(a)(xv), 4(a)(xvi) and 4(a)(xvii), respectively, to this subchapter; concrete reinforcing bars and rods; and stainless steel of the type described in U.S. note 4(a)(v) to this subchapter) provided for in subheading 7220.11, 7220.20.10, 7220.20.60, 7220.90, 7221.00, 7220.10, 7222.20, 7222.30, 7223.00.10, 7223.00.50 or 7223.00.90:

Replace all quota quantities for subheadings 9903.72.10, 9903.72.12, and 9903.72.14 with the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.10	If entered during the period from October 20, 1987, through July 19, 1988 inclusive:		
	Austria	n/a	97,977
	Canada	1 250,386	501,678
	Japan	1 3,213,281	6,427,470
	Korea	1 439,989	880,885
	Mexico	1 25,401	51,710
	Spain	1 987,913	1,986,827
	Sweden	1 308,448	618,882
	Taiwan	1 22,680	45,360
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	1 89,791	97,070
9903.72.12	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Austria	97,070	97,977
	Canada	512,565	512,565
	Japan	6,572,621	6,572,621
	Korea	691,772	892,679
	Mexico	58,060	58,968
	Spain	2,041,187	2,041,187
	Sweden	630,500	631,407
	Taiwan	46,267	47,174
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	107,958	104,327
9903.72.14	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Austria	39,009	(*)
	Canada	211,378	(*)
	Japan	2,707,974	(*)
	Korea	367,414	(*)
	Mexico	24,484	(*)
	Spain	840,969	(*)
	Sweden	259,457	(*)
	Taiwan	19,051	(*)
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	44,453	(*)

Replace the entire text of the superior heading, at the first indentation, to subheadings 9903.72.20, 9903.72.22 and 9903.72.24 with the following:

Bars and rods of stainless steel of the type described in U.S. note 4(a)(ix) to this subchapter, approximately round in cross-section, at least 5.08mm but not exceeding 18.796mm in diameter (except concrete reinforcing bars and rods and stainless steel

of the type described in U.S. note 4(a)(v) to this subchapter) provided for in subheading 7221.00:

Replace all quota quantities for subheadings 9903.72.20, 9903.72.22, and 9903.72.24 with the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.20	If entered during the period from October 20, 1987, through July 19, 1988 inclusive:		
	Austria	n/a	25,401
	Japan	* 1,439,717	2,879,434
	Korea	* 238,592	476,277
	Spain	* 421,845	844,598
	Sweden	* 899,936	1,799,873
9903.72.22	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	* 87,996	151,501
	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Austria	48,988	25,401
	Japan	2,944,752	2,944,752
	Korea	489,885	490,792
	Spain	862,742	863,649
9903.72.24	Sweden	1,840,697	1,840,697
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	129,729	151,501
	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Austria	9,979	(²)
	Japan	1,212,918	(²)
	Korea	355,620	(²)
	Spain	355,620	(²)
	Sweden	758,414	(²)
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	63,504	(²)

Replace the entire text of the superior heading, at the first indentation, to subheadings 9903.72.30, 9903.72.32 and 9903.72.34 with the following:

Flat-rolled products, bars and rods and wire, all the foregoing of tool steel of the type described in U.S. note 4(a)(xi) to this subchapter (except if worked after rolling other than by corrugation or crimping; plate of the type described in U.S. note 4(a)(xiii) to this subchapter which has been coated, plated or clad with metal or cut, pressed or stamped to nonrectangular shape; sheet of the type described in U.S. note 4(a)(xiv) to this subchapter which has been coated, plated or clad with metal or cut, pressed or stamped to nonrectangular shape; strip of the type described in U.S. note 4(a)(xv) to this subchapter which has been coated or plated with base metal other than tin, lead or zinc or cut, pressed or stamped to nonrectangular shape; concrete reinforcing bars and rods; wire of the type described in U.S. note 4(a)(xvi) to this subchapter other than round wire of high speed tool steel as described in

U.S. note 4(a)(xii) to this subchapter; chipper knife steel; band saw steel; ball bearing steel; rotor steel for hysteresis motors; and tool steel of the type described in U.S. note 4(a)(viii) to this subchapter) provided for in subheading 7208.11, 7208.12, 7208.13.10, 7208.13.50, 7208.14.10, 7208.14.50, 7208.21.10, 7208.21.50, 7208.22.10, 7208.22.50, 7208.23.10, 7208.23.50, 7208.24.10, 7208.24.50, 7208.31, 7208.32, 7208.33.10, 7208.33.50, 7208.34.10, 7208.34.50, 7208.35.10, 7208.35.50, 7208.41, 7208.42, 7208.43, 7208.44, 7208.45, 7208.80, 7208.11, 7208.12, 7208.13, 7208.14, 7208.21, 7208.22, 7208.23, 7208.24.50, 7208.31, 7208.32, 7208.33, 7208.34, 7208.41, 7208.42, 7208.43, 7208.44, 7208.80, 7210.70.30, 7210.90.90, 7211.11, 7211.12, 7211.19.10, 7211.19.50, 7211.21, 7211.22, 7211.29.10, 7211.29.30, 7211.29.50, 7211.29.70, 7211.30.10, 7211.30.30, 7211.30.50, 7211.49.10, 7211.49.30, 7211.49.50, 7211.90, 7212.10, 7212.21, 7212.29, 7212.30.10, 7212.30.30, 7212.30.50, 7212.40.10, 7212.40.50, 7212.50, 7212.60, 7213.20, 7213.41.30, 7213.41.60, 7213.49, 7213.50, 7214.10, 7214.30, 7214.50, 7214.60, 7215.10, 7215.30, 7215.40, 7215.90.10, 7215.90.30, 7215.90.50, 7217.21.10,

7217.21.30, 7217.21.50, 7217.22.10, 7117.22.50, 7217.23.10, 7217.23.50, 7217.29.10, 7217.29.50, 7217.31.10, 7217.31.30, 7217.31.50, 7217.32.10, 7217.32.50, 7217.33.10, 7217.33.50, 7217.39.10, 7217.39.50, 7219.11, 7219.12, 7219.13, 7219.14, 7219.21, 7219.22, 7219.23, 7219.24, 7219.31, 7219.32, 7219.33, 7219.34, 7219.35, 7219.90, 7220.11, 7220.12.10, 7220.12.50, 7220.20.10, 7220.20.60, 7220.20.70, 7220.20.80, 7220.20.90, 7220.90, 7221.00, 7222.10, 7222.20, 7222.30, 7223.00.10, 7223.00.50, 7223.00.90, 7225.20, 7225.30.10, 7225.30.30, 7225.30.50, 7225.30.70, 7225.40.10, 7225.40.30, 7225.40.50, 7225.40.70, 7225.50.10, 7225.50.60, 7225.50.70, 7225.50.80, 7225.90, 7226.20, 7226.91.10, 7226.91.30, 7226.91.50, 7226.91.70, 7226.91.80, 7226.92.10, 7226.92.30, 7226.92.50, 7226.92.70, 7226.92.80, 7226.99, 7227.10, 7227.90.10, 7227.90.20, 7227.90.60, 7228.10, 7228.30.60, 7228.30.80, 7228.40, 7228.50.10, 7228.50.50, 7228.60.10, 7228.60.60, 7228.60.80, 7229.10, 7229.90.10, 7229.90.50, 7229.90.90:

Change all quota quantities for subheadings 9903.72.30, 9903.72.32, and 9903.72.34 to the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.30	If entered during the period from October 20, 1987, through July 19, 1988 inclusive:		
	Canada	360,156	719,405
	Japan	1,048,716	2,098,340
	Korea	345,641	691,282
	Mexico	58,080	117,935
	Poland	77,111	155,130
	Spain	40,824	83,462
	Sweden	1,979,497	3,958,995
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	76,204	147,873
9903.72.32	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Canada	735,734	736,642
	Japan	2,144,607	2,145,514
	Korea	713,065	712,147
	Mexico	126,100	126,100
	Poland	151,501	152,409
	Spain	85,276	85,276
	Sweden	4,048,807	4,048,807
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	148,780	147,873
9903.72.34	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Canada	303,003	(*)
	Japan	883,607	(*)
	Korea	203,931	(*)
	Mexico	51,710	(*)
	Poland	62,598	(*)
	Spain	35,381	(*)
	Sweden	1,667,423	(*)
	Other, except as provided in U.S. note 4(g)(ii) to this subchapter	61,689	(*)

Change all quota quantities for subheadings 9903.72.40, 9903.72.42, and 9903.72.44 to the following:

Item	Articles	Quota Quantity (in kilograms)	
		If entered during the restraint period:	
		July 20 through January 19	January 20 through July 19
9903.72.40	If entered during the period from November 20, 1987, through July 19, 1988 inclusive:		
	Canada	997,913	1,995,827
9903.72.42	If entered during the period from July 20, 1988, through July 19, 1989 inclusive:		
	Canada	1,995,827	1,995,827
9903.72.44	If entered during the period from July 20, 1989, through September 30, 1989 inclusive:		
	Canada	798,331	(*)

