

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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This report was prepared principally by

Robert Mascola
Anna Mae Toth
Minerals and Metals Division

Address all communications to
Kenneth R. Mason, Secretary to the Commission
United States International Trade Commission
Washington, DC 20436

Monthly Review: Voluntary Restraint Agreements Concluded for 1989-1992

With the conclusion of agreements with 16 countries and the EC-12, the program of Voluntary Restraint Agreements (VRAs), which initially became effective on October 1, 1984, has been extended for a period of 2-1/2 years until March 31, 1992.¹ Agreements were reached with all VRA countries, except South Africa, most of whose imports are embargoed under the Comprehensive Anti-Apartheid Act of 1986. The program provides for steel import restrictions, expressed as a market share or quantitative limitation, on products from the agreement countries. The agreements, termed a transitional mechanism while the United States works to achieve an international consensus on the elimination of trade barriers and steel industry subsidies, are designed to enable the domestic industry to complete its efforts to restructure and modernize.

Concurrent with the extension of the VRAs, the United States Trade Representative (USTR) has concluded a number of bilateral agreements (called "Bilateral Consensus Agreements") under which signatories agreed to prohibit production and export subsidies on steel products. Enforcement of the consensus agreements is to be achieved through an arbitration arrangement; violations of these agreements (either by the United States or its trading partners) could result in an adjustment of VRA quota levels and/or additional duties. Bilateral Consensus Agreements have been concluded with the EC and six other countries² as of December 12, 1989. Through the consensus agreements, signatories have committed themselves to open their markets through the elimination of all quota programs, and to work in the ongoing Uruguay Round of Multilateral Trade negotiations toward continuing reduction of tariffs and elimination of subsidies. The President signed the enabling legislation to implement the Steel Trade Liberalization Program on December 12, 1989. (103 Stat. 1836, 19 U.S.C. 2101 Nt.)

While the new VRAs resemble the previous agreements in most respects, there are a number of important differences, as follows:

- o Quota levels--In order to provide incentives for countries to eliminate trade distorting practices and to ensure supplies for U.S. consumers, the President authorized up to an additional one percent import penetration annually that would be available only to those countries that entered into Bilateral Consensus Agreements. The incentive tonnage already granted raises quota levels for VRA countries from 18.4 percent (based on 1989 trade) to 19.1 percent in 1990, and to 20.1 percent in 1991.³
- o Quota redistribution--Renegotiation of VRAs resulted in some redistribution of restraint levels among countries. As a result of the

¹ See Appendix C for the text of the USTR's announcement concerning results of the VRA negotiations; additional information for this report was drawn from the 12 December 1989 USTR press conference.

² These countries are Japan, South Korea, Brazil, Mexico, Australia, and Trinidad and Tobago; negotiations were continuing with several additional countries, including Austria, Finland, and Yugoslavia.

³ See page vii for the quota levels, by country.

redistribution, Japan lost market allocation (even with additional incentive tonnage); the primary beneficiaries appear to have been Brazil, Mexico, and South Korea.

- o Semifinished steel--The extended VRAs shift semifinished steel imports from fixed quantitative limits to import limitations based on market share. Quota levels for semifinished steel were increased by approximately 30 percent over previous levels.
- o Oil country tubular goods--Because of the weakness in the market for oil country tubular goods (OCTG), reductions were negotiated in overall and individual country import quotas. OCTG was the major product category where such reductions were negotiated.
- o Specialty steel--The initial VRAs excluded many products covered by the 1983 specialty steel 201 action, which expired in 1989, but specialty steel products are now included under most of the VRAs expiring in 1992. Quota levels for stainless steels were increased by about 10 percent over previous levels.
- o Short supply--Short-supply provisions are built in to ensure supplies to consumers during tight markets or when the domestic industry does not make a particular product; significantly, the period for determination of short supply has been fast-tracked to provide determinations within 15 to 30 days from the date of filing a request.

Charles Yost
252-1442

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Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives,¹ and in accordance with the provisions of section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1332(g)), the United States International Trade Commission announced the continuation of investigation No. 332-226, Monthly Reports on the Status of the Steel Industry.² The purpose of the reports is to monitor developments in the steel industry through March 1992, which corresponds with the President's extension of the voluntary restraint arrangements (VRAs) with certain countries and regions which export steel to the United States. The original investigation was instituted by the Commission on April 9, 1986.

Background of the VRAs

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 were found to be a substantial cause of serious injury, or threat thereof, to certain domestic industries (investigation No. TA-201-51).³ 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 (VRAs) 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 previous years due to an unfair surge in imports. Although the structure of the arrangements varied from one country to another, each involved an agreement by the foreign government to limit exports of certain steel products to the United States; to bring the agreements into effect, U.S. producers withdrew pending unfair trade petitions and the U.S. Government suspended antidumping and countervailing duties that were in effect on steel products covered by the VRAs. The trade 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 indicated were 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

¹See appendix A for a copy of the request.

²See appendix B for the notice of continuation.

³Affirmative 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.

Federal Register 52897). The relief was scheduled to expire on July 19, 1987. Under the relief, quotas were placed 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 then in effect for a period from July 20, 1987 through September 30, 1989. Under the steel VRAs, in return for their agreement to limit exports of stainless steel plates and sheets and strip, the VRA countries were exempted 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 VRAs 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 includes the specialty steel products subject to quotas; and Austria, which included alloy tool steel in its VRA.

Extension of the VRAs

On July 25, 1989, the President announced a Steel Trade Liberalization Program, under which the VRAs were extended for two and one-half years, terminating on March 31, 1992. The President directed the U.S. Trade Representative to negotiate VRAs at an overall restraint level of 18.4 percent (which is the same as the 1988 VRA import penetration level). In order to provide incentives for countries to eliminate trade-distorting practices and in order to respond to concerns of steel consumers for adequate supplies of raw materials, the President authorized up to an additional one percent import penetration annually that would be available to countries that entered into bilateral consensus agreements.⁴

On December 12, 1989, the U.S. Trade Representative announced that negotiations had been completed with the European Community and the 16 other countries that previously had VRAs.⁵ As a result of the negotiations, the restraint levels for steel mill products (including semifinished steel) increased to a 19.1 percent share of domestic consumption in the first period of the new VRA program (table A). Additional increases in restraint levels have been authorized for subsequent years for countries that have entered into bilateral consensus agreements.⁶ Product coverage under the VRAs remains essentially unchanged though the agreements have been modified to include those specialty steel products that were previously subject to relief under section 203 of the Trade Act of 1974.

⁴Negotiations for bilateral agreements were conducted in order to restrict trade-distorting practices, and to address the causes rather than the symptoms affecting world trade in steel. See appendix C for the text of the USTR's announcement.

⁵South Africa is the only country with which the United States did not renew the VRA.

⁶Countries or regions with which the U.S. has negotiated bilateral agreements are the EC, Japan, South Korea, Brazil, Mexico, Australia, Trinidad and Tobago. As of 12 December 1989, negotiations were ongoing with Austria, Finland, and Yugoslavia.

Table A
Overall ceiling levels under initial and extended voluntary restraint
arrangements

Country	VRA I	First	Second	Third
		Period 1/	Period 1/	Period 1/
-----Percent-----				
Australia 2/-----	0.26	0.39	0.49	0.59
Austria-----	0.24	0.25	0.25	0.25
Brazil 2/-----	1.35	1.80	2.10	2.10
Czechoslovakia-----	0.04	0.04	0.04	0.04
EC 2/-----	6.94	7.00	7.00	7.00
Finland-----	0.24	0.25	0.25	0.25
East Germany-----	0.11	0.10	0.10	0.10
Hungary-----	0.03	0.05	0.05	0.05
Japan 2/-----	6.19	5.00	5.30	5.30
South Korea 2/-----	1.92	2.45	2.62	2.62
Mexico 2/-----	0.49	0.95	1.10	1.10
PRC-----	0.08	0.08	0.09	0.09
Poland-----	0.09	0.13	0.13	0.13
Romania-----	0.11	0.11	0.11	0.11
Trinidad and Tobago 2/--	0.04	0.12	0.13	0.15
Venezuela-----	0.21	0.33	0.33	0.33
Yugoslavia-----	0.02	0.05	0.05	0.05
Total-----	18.36	19.10	20.14	20.26

¹ Numbers are approximate because some VRAs were negotiated for two 15-month periods, and others were negotiated for other combinations totaling 30 months. Market shares are based on 1989 apparent consumption.

² Includes allocation of bonus percentage (see Preface for explanation). Amount of allocation not specified.

Source: USTR press release, December 12, 1989.

Structure of the Report

- o The Monthly Review section provides perspective on imports and trade by highlighting specific products, countries, or customs areas. The inclusion of such insights, which may not be readily apparent from the report's tabulated data, are intended to focus attention on important events in the steel industry. A chronological listing of Monthly Review topics immediately follows each month's review.
- o Table 1 provides data on key items, including raw steel production, capability utilization, employment, wages, shipments, trade, and financial performance.
- o Tables 2-6 provide data on shipments, imports, exports, apparent consumption, and imports as a percent of apparent consumption by major product for all grades of steel, plus carbon and specialty products separately.
- o Table 7 provides quantity and value data on imports of total steel mill products and certain fabricated products. The EC and each VRA country are specified, as are the top 10 non-VRA suppliers.
- o Table 8 provides data on the quantity of steel other than semifinished steel, which is being imported from the EC, each VRA country, and the top non-VRA suppliers, and the market penetration of each country. The table can be used to measure the extent to which penetration is approaching the levels anticipated under the President's steel policy.
- o Table 9 provides data on the quantity of semifinished steel imported from the EC, each VRA country, and the top non-VRA suppliers, and presents the 1986 semifinished import restraint level of each VRA country.
- o Tables 10-29 provide data on the quantity and value of major carbon and specialty steel imports on a product-by-product basis. The EC, each VRA country, and the top non-VRA suppliers are specified.
- o Table 30 provides data on the unit values of selected imports of carbon and specialty steel products.
- o Table 31 provides data on imports of selected carbon and specialty steel products. The table also provides information which permits an examination of the extent to which shifts in product mix within major product categories is occurring.
- o Tables 32-37 provide data on imports of steel mill products and certain fabricated products, by U.S. customs area.

Notes on Product Coverage and Methodology

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

The products for which foreign trade data are collected generally correspond to those covered by the VRAs. Since the VRAs include certain fabricated products (defined as wire strand, wire ropes, cables, cordage and fabricated structural units), the data may exceed that compiled by other organizations such as the AISI. The additional tonnage, however, is relatively small. In 1988, AISI reported imports of 20.9 million tons, which compares to the 21.9 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 EC VRA now includes Portugal and Spain, which are no longer subject to separate VRAs. Trade data in tables 7 through 29 however, continue to reflect import statistics from Spain and Portugal separately (i.e., the EC data do not include Spain and Portugal).

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.

For the purposes of statistical continuity, South Africa continues to be listed as a VRA country.

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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-October	
						1988	1989
Raw steel:							
Production (1,000 short tons).....	92,528	88,259	81,606	88,472	99,328	83,411	82,868
Capability utilization (percent).....	68.4	66.1	63.8	78.9	88.7	89.4	85.8
Continuously cast (percent).....	39.6	44.4	55.2	52.5	60.5	60.1	64.1
Employment:							
Total (thousands).....	236	208	175	163	169	169	170
Receiving wages (thousands).....	171	151	128	121	125	126	125
Hourly employment cost ^{1/} (dollars).....	21.30	22.81	23.5	23.70	24.65	24.63	24.66
Steel:							
Shipments (1,000 short tons).....	73,740	73,043	69,947	76,473	83,815	70,060	71,532
Imports (1,000 short tons).....	26,705	24,885	21,289	20,938	21,869	18,449	15,178
Exports (1,000 short tons).....	1,081	992	980	1,176	2,152	1,422	4,101
Apparent consumption (1,000 short tons)....	99,363	96,591	90,026	95,795	103,532	87,087	82,608
Ratio of imports to consumption (percent)..	26.9	25.8	23.6	21.3	21.1	21.2	18.4
Steel operations:							
Net steel sales (million dollars).....	30,005	28,272	24,875	26,933	32,318	^{2/} 24,486	^{2/} 23,758
Net steel income (million dollars).....	(31)	(1,834)	(4,150)	1,077	(559)	^{2/} 2,476	^{2/} 1,946
Ratio of income to net sales (percent)...	(0.1)	(6.5)	(16.7)	4	(1.9)	^{2/} 10.1	^{2/} 8.2

^{1/} Total employment costs (including benefits) of employees receiving wages.

^{2/} January-September.

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-October	
						1988	1989
All grades of steel:							
Semifinished-----	1,306,044	1,374,524	1,388,649	2,095,599	1,746,267	1,291,710	1,552,688
Plate-----	4,338,993	4,327,347	3,531,806	4,065,183	7,361,445	6,048,318	6,208,402
Sheet and strip-----	40,878,749	40,850,298	40,055,641	43,288,266	44,707,915	37,174,066	38,447,410
Bars & certain shapes ^{1/} -----	13,232,473	12,667,539	12,101,642	12,937,033	14,618,068	11,866,187	12,354,335
Wire rod-----	3,090,036	2,961,769	3,493,632	3,838,788	4,044,688	3,378,558	3,603,366
Wire-----	962,726	874,135	797,859	786,963	1,072,698	930,336	872,892
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	4,394,583	4,647,009
Rails & related products-----	1,238,900	931,313	647,697	504,561	507,278	474,206	467,706
Pipe and tube-----	4,275,759	4,095,825	2,836,458	3,569,647	4,443,251	3,751,079	3,377,698
Total-----	73,739,529	73,043,323	69,946,884	76,472,610	83,815,069	69,333,162	71,531,506
Carbon & certain alloy ^{2/} steel:							
Semifinished-----	1,266,364	1,327,766	1,339,062	2,018,535	1,828,600	1,390,403	1,480,805
Plate-----	4,223,128	4,185,883	3,415,947	3,906,102	7,178,573	5,899,615	6,063,398
Sheet and strip-----	40,058,979	40,018,167	39,256,239	42,347,623	43,663,695	36,298,481	37,613,296
Bars & certain shapes-----	13,031,564	12,478,002	11,926,843	12,753,157	14,414,095	11,695,116	12,186,003
Wire rod-----	3,038,112	2,931,897	3,457,233	3,791,034	3,986,930	3,332,877	3,571,433
Wire-----	933,382	851,841	773,204	760,229	1,043,112	906,134	851,709
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	4,394,583	4,647,009
Rails & related products-----	1,238,900	931,313	647,697	504,561	507,278	474,206	467,706
Pipe and tube-----	4,224,071	4,046,771	2,794,218	3,527,867	4,387,761	3,705,147	3,336,049
Total-----	72,430,349	71,732,213	68,703,943	74,995,678	82,323,503	68,120,681	70,217,408
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	39,680	46,758	49,587	77,064	79,953	63,593	71,883
Plate-----	115,865	141,464	115,859	159,081	182,872	148,703	145,004
Sheet and strip-----	819,770	832,131	799,402	940,643	1,044,220	875,585	834,114
Bars & certain shapes-----	139,980	129,267	119,024	125,441	139,696	117,731	113,143
Wire rod-----	51,924	29,872	36,399	47,754	57,758	45,681	31,933
Wire-----	29,344	22,294	24,655	26,734	29,586	24,202	21,183
Pipe and tube-----	51,688	49,054	42,240	41,780	55,490	45,932	41,649
Tool steel (all forms)-----	60,929	60,270	55,775	58,435	64,277	53,340	55,189
Total-----	1,309,180	1,311,110	1,242,941	1,476,932	1,653,852	1,374,767	1,314,098

^{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-October	
						1988	1989
All grades of steel:							
Semifinished-----	1,632,065	2,440,368	2,084,322	2,288,995	2,844,979	2,524,885	1,936,098
Plate-----	1,782,050	1,772,309	1,456,790	1,566,694	1,872,937	1,595,645	1,179,960
Sheet and strip-----	10,332,032	9,046,089	8,278,604	7,875,891	7,303,964	6,014,598	5,346,168
Bars & certain shapes 1/-----	1,722,313	1,550,559	1,476,368	1,359,758	1,445,932	1,214,617	1,037,050
Wire rod-----	1,589,788	1,476,145	1,362,753	1,467,030	1,493,833	1,267,076	1,001,417
Wire-----	671,829	612,485	582,022	555,981	540,380	459,252	421,299
Wire products-----	738,680	674,960	636,591	649,377	572,451	479,029	613,208
Structural shapes & units-----	2,432,694	2,440,403	2,179,657	2,153,669	2,188,467	1,847,739	1,459,094
Rails & related products-----	373,890	382,046	275,710	245,988	319,432	256,073	266,974
Pipe and tube-----	5,429,839	4,489,287	2,956,303	2,775,091	3,286,690	2,789,595	1,916,731
Total-----	26,705,180	24,884,651	21,289,120	20,938,474	21,869,065	18,448,509	15,177,999
Carbon & certain alloy 2/ steel:							
Semifinished-----	1,618,365	2,430,078	2,066,700	2,232,270	2,782,572	2,472,255	1,882,951
Plate-----	1,774,614	1,760,812	1,440,375	1,555,577	1,857,090	1,583,005	1,166,805
Sheet and strip-----	10,194,435	8,910,469	8,127,033	7,746,596	7,185,380	5,918,170	5,228,747
Bars & certain shapes-----	1,652,025	1,475,447	1,393,731	1,281,168	1,361,113	1,143,131	930,240
Wire rod-----	1,570,952	1,456,078	1,344,256	1,448,720	1,474,623	1,251,463	983,792
Wire-----	649,126	590,317	564,481	536,897	519,727	443,218	402,718
Wire products-----	738,680	674,960	636,591	649,377	572,451	479,029	613,208
Structural shapes & units-----	2,432,694	2,440,403	2,179,657	2,153,669	2,188,467	1,847,739	1,459,094
Rails & related products-----	373,890	382,046	275,710	245,988	319,432	256,073	266,974
Pipe and tube-----	5,399,642	4,457,277	2,923,029	2,748,644	3,249,937	2,758,719	1,884,693
Total-----	26,404,423	24,577,887	20,951,563	20,598,906	21,510,792	18,152,802	14,819,222
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	13,700	10,290	17,622	56,725	62,407	52,631	53,147
Plate-----	7,436	11,497	16,415	11,118	15,847	12,640	13,155
Sheet and strip-----	137,597	135,620	151,571	129,295	118,584	96,428	117,421
Bars & certain shapes-----	38,234	37,970	37,888	37,991	40,724	33,802	27,618
Wire rod-----	18,835	20,067	18,496	18,311	19,210	15,614	17,625
Wire-----	22,703	22,169	17,541	19,084	20,653	16,034	18,581
Pipe and tube-----	30,197	32,009	33,274	36,448	36,752	30,876	32,038
Tool steel (all forms)-----	32,054	37,142	44,749	40,599	44,095	37,684	79,192
Total-----	300,756	306,764	337,556	339,571	358,272	295,709	358,777

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-October	
						1988	1989
All grades of steel:							
Semifinished-----	73,536	89,708	58,885	73,543	61,430	36,601	328,131
Plate-----	88,184	82,988	69,565	96,538	119,393	91,481	573,259
Sheet and strip-----	389,577	375,396	507,420	556,991	1,374,056	836,284	2,206,271
Bars & certain shapes 1/-----	133,595	99,096	81,224	121,869	141,461	113,946	232,472
Wire rod-----	8,646	4,740	5,876	8,217	10,161	7,707	29,907
Wire-----	19,979	19,146	26,760	26,669	36,668	28,560	25,962
Wire products-----	22,085	19,253	24,731	23,257	27,847	21,996	17,871
Structural shapes & units-----	119,256	89,031	71,525	101,373	111,614	93,756	223,341
Rails & related products-----	19,079	13,430	13,131	15,755	18,855	16,700	72,373
Pipe and tube-----	207,426	199,258	121,050	152,155	250,390	175,320	391,865
Total-----	1,081,363	992,046	980,167	1,176,367	2,151,875	1,422,351	4,101,452
Carbon & certain alloy 2/ steel:							
Semifinished-----	72,285	82,650	57,932	71,362	58,598	33,175	315,045
Plate-----	84,813	74,957	66,042	92,057	107,546	81,509	566,768
Sheet and strip-----	369,495	349,620	477,803	501,010	1,328,485	797,220	2,163,281
Bars & certain shapes-----	126,090	89,241	72,134	111,619	124,911	101,596	199,905
Wire rod-----	7,918	3,716	5,049	6,889	8,676	6,634	25,346
Wire-----	17,524	17,182	24,033	22,863	32,209	25,660	23,661
Wire products-----	22,085	19,253	24,731	23,257	27,847	21,996	17,871
Structural shapes & units-----	119,256	89,031	71,525	101,373	111,614	93,756	223,341
Rails & related products-----	19,079	13,430	13,131	15,755	18,855	16,700	72,373
Pipe and tube-----	199,778	193,309	118,010	143,405	244,192	170,687	384,829
Total-----	1,038,323	932,389	930,390	1,089,590	2,062,933	1,348,933	3,992,420
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	1,251	7,058	953	2,181	2,833	3,426	13,086
Plate-----	3,371	8,031	3,523	4,481	11,847	9,972	6,491
Sheet and strip-----	20,081	25,776	29,617	55,981	45,571	39,063	42,990
Bars & certain shapes-----	5,178	7,762	6,946	7,189	12,047	8,879	14,411
Wire rod-----	728	1,024	828	1,328	1,486	1,073	4,561
Wire-----	2,455	1,964	2,728	3,806	4,459	2,900	2,301
Pipe and tube-----	7,648	5,948	3,040	8,751	6,198	4,633	7,036
Tool steel (all forms)-----	2,326	2,094	2,144	3,061	4,502	3,471	18,156
Total-----	43,038	59,657	49,779	86,778	88,943	73,417	109,032

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-October	
						1988	1989
All grades of steel:							
Semifinished-----	2,864,573	3,725,184	3,414,086	4,311,051	4,529,816	3,779,994	3,160,655
Plate-----	6,032,859	6,016,668	4,919,031	5,535,339	9,114,989	7,552,482	6,815,103
Sheet and strip-----	50,821,204	49,520,991	47,826,825	50,607,166	50,637,823	42,352,380	41,587,307
Bars & certain shapes 1/--	14,821,191	14,119,002	13,496,786	14,174,922	15,922,539	12,966,858	13,158,913
Wire rod-----	4,671,178	4,433,174	4,850,509	5,297,601	5,528,360	4,637,927	4,574,876
Wire-----	1,614,576	1,467,474	1,353,121	1,316,275	2,121,014	1,842,180	1,863,566
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	6,148,566	5,882,762
Rails & related products--	1,593,711	1,299,929	910,276	734,794	807,855	713,579	662,307
Pipe and tube-----	9,498,172	8,385,854	5,671,711	6,192,583	7,479,551	6,365,354	4,902,564
Total-----	99,363,346	96,935,928	90,255,837	96,234,717	103,532,259	86,359,320	82,608,053
Carbon & certain alloy 2/ steel:							
Semifinished-----	2,812,444	3,675,194	3,347,830	4,179,443	4,552,574	3,829,483	3,048,711
Plate-----	5,912,929	5,871,738	4,790,280	5,369,622	8,928,117	7,401,111	6,663,435
Sheet and strip-----	49,883,919	48,579,016	46,905,469	49,593,209	49,520,590	41,419,431	40,678,762
Bars & certain shapes-----	14,557,499	13,864,208	13,248,440	13,922,706	15,650,297	12,736,651	12,916,338
Wire rod-----	4,601,146	4,384,259	4,796,440	5,232,865	5,452,877	4,577,706	4,529,879
Wire-----	1,564,984	1,424,976	1,313,652	1,274,263	2,075,234	1,804,844	1,826,103
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	6,148,566	5,882,762
Rails & related products--	1,593,711	1,299,929	910,276	734,794	807,855	713,579	662,307
Pipe and tube-----	9,423,935	8,310,739	5,599,237	6,133,106	7,393,506	6,293,179	4,835,913
Total-----	97,796,449	95,377,711	88,725,116	94,504,994	101,771,362	84,924,550	81,044,210
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	52,129	49,990	66,256	131,608	139,527	112,798	111,944
Plate-----	119,930	144,930	128,751	165,718	186,872	151,371	151,668
Sheet and strip-----	937,286	941,975	921,356	1,013,957	1,117,233	932,950	908,545
Bars & certain shapes-----	173,036	159,475	149,966	156,243	168,373	142,654	126,350
Wire rod-----	70,031	48,915	54,067	64,737	75,482	60,222	44,997
Wire-----	49,592	42,499	39,468	42,012	45,780	37,336	37,463
Pipe and tube-----	74,237	75,115	72,474	59,477	86,044	72,175	66,651
Tool steel (all forms)---	90,657	95,318	98,380	95,973	103,870	87,553	116,225
Total-----	1,566,898	1,558,217	1,530,718	1,729,725	1,923,181	1,597,059	1,563,843

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-October	
						1988	1989
All grades of steel:							
Semifinished-----	57.0	65.5	61.1	53.1	62.8	66.8	61.3
Plate-----	29.5	29.5	29.6	28.3	20.5	21.1	17.3
Sheet and strip-----	20.3	18.3	17.3	15.6	14.4	14.2	12.9
Bars & certain shapes 1/-----	11.6	11.0	10.9	9.6	9.1	9.4	7.9
Wire rod-----	34.0	33.3	28.1	27.7	27.0	27.3	21.9
Wire-----	41.0	41.0	43.0	42.0	39.0	80.0	66.0
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	30.1	24.8
Rails & related products-----	23.5	29.4	30.3	33.5	39.5	35.9	40.3
Pipe and tube-----	57.2	53.5	52.1	44.8	43.9	43.8	39.1
Total-----	26.9	25.7	23.6	21.8	21.1	21.4	18.4
Carbon & certain alloy 2/ steel:							
Semifinished-----	57.5	66.1	61.7	53.4	61.1	64.6	61.8
Plate-----	30.0	30.0	30.1	29.0	20.8	21.4	17.5
Sheet and strip-----	20.4	18.3	17.3	15.6	14.5	14.3	12.9
Bars & certain shapes-----	11.3	10.6	10.5	9.2	8.7	9.0	7.2
Wire rod-----	34.1	33.2	28.0	27.7	27.0	27.3	21.7
Wire-----	41.0	41.0	43.0	42.0	39.0	44.0	3.0
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	30.1	24.8
Rails & related products-----	23.5	29.4	30.3	33.5	39.5	35.9	40.3
Pipe and tube-----	57.3	53.6	52.2	44.8	44.0	43.8	39.0
Total-----	27.0	25.8	23.6	21.8	21.1	21.4	18.3
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	26.3	20.6	26.6	43.1	44.7	46.7	47.5
Plate-----	6.2	7.9	12.7	6.7	8.5	8.4	8.7
Sheet and strip-----	14.7	14.4	16.5	12.8	10.6	10.3	12.9
Bars & certain shapes-----	22.1	23.8	25.3	24.3	24.2	23.7	21.9
Wire rod-----	26.9	41.0	34.2	28.3	25.4	25.9	39.2
Wire-----	45.8	52.2	44.4	45.4	45.1	42.9	49.6
Pipe and tube-----	40.7	42.6	45.9	44.5	42.7	42.8	48.1
Tool steel (all forms)-----	35.4	39.0	45.5	42.3	42.5	43.0	68.1
Total-----	19.2	19.7	22.1	19.6	18.6	18.5	22.9

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--October	
					1988	1989
	Quantity (short tons)					
RA countries:						
Australia -----	155,112	282,085	231,052	248,228		
Austria -----	119,666	138,101	115,433	64,328		
Brazil -----	1,152,972	1,476,896	1,237,776	1,237,364		
Czechoslovakia -----	29,792	37,301	36,275	10,580		
East Germany -----	95,910	92,239	82,453	47,214		
EC countries -----	5,314,371	5,766,991	4,689,570	4,247,806		
Finland -----	174,889	212,989	164,928	163,200		
Hungary -----	27,064	30,094	23,852	24,091		
Japan -----	4,384,621	4,343,898	3,623,315	3,120,348		
Mexico -----	491,204	488,367	415,064	374,965		
Peoples Rep of China -----	51,107	68,840	52,078	47,068		
Poland -----	91,936	89,648	83,986	58,871		
Portugal -----	31,087	22,739	17,815	6,249		
Romania -----	82,408	102,548	95,398	32,718		
Republic of South Africa -----	30,015	1,693	1,693	698		
Korea, Republic of -----	1,434,872	1,572,602	1,298,556	963,765		
Spain -----	520,988	486,490	400,999	463,612		
Trinidad and Tobago -----	62,575	31,518	29,007	32,734		
Venezuela -----	170,571	169,383	162,729	119,943		
Yugoslavia -----	15,394	12,751	11,170	6,517		
Total -----	14,436,554	15,427,173	12,773,149	11,270,299		
Other countries:						
Canada -----	3,809,440	3,430,920	2,986,936	2,692,488		
Sweden -----	609,367	575,055	512,723	210,537		
Argentina -----	346,494	558,011	515,600	193,918		
Turkey -----	407,413	307,985	297,183	172,975		
Indonesia -----	235,573	281,142	251,206	57,200		
Taiwan -----	263,415	252,112	215,899	122,831		
Norway -----	154,231	181,502	141,922	71,501		
Thailand -----	120,179	160,364	144,355	51,286		
Singapore -----	144,538	153,164	126,162	72,170		
India -----	60,774	100,261	91,704	94,382		
All others -----	350,496	441,375	391,670	168,413		
Total -----	6,501,920	6,441,891	5,675,360	3,907,701		
Grand total -----	20,938,474	21,869,064	18,448,509	15,178,000		

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	70,374	118,494	94,173	112,024
Austria -----	58,007	82,907	68,463	51,722
Brazil -----	328,749	463,632	381,011	414,919
Czechoslovakia -----	7,156	12,019	11,433	3,662
East Germany -----	25,328	31,340	27,589	15,552
EC countries-----	2,197,086	2,721,224	2,185,015	2,237,323
Finland -----	65,035	101,105	80,286	70,186
Hungary -----	6,191	8,600	6,554	7,756
Japan -----	2,189,840	2,562,005	2,116,982	2,037,866
Mexico -----	204,210	240,693	201,805	198,825
Peoples Rep of China -----	23,586	27,574	20,610	26,705
Poland -----	27,141	30,281	27,901	21,607
Portugal -----	15,163	10,575	9,056	4,334
Romania -----	25,093	36,063	33,354	11,700
Republic of South Africa -----	7,322	1,487	1,487	555
Korea, Republic of -----	633,718	770,065	631,295	518,716
Spain -----	200,168	249,811	197,742	241,132
Trinidad and Tobago -----	15,482	8,602	7,764	10,203
Venezuela -----	48,835	53,699	51,589	43,849
Yugoslavia -----	5,404	5,947	5,309	2,795
Total-----	6,153,888	7,536,123	6,159,418	6,031,431
Other countries:				
Canada -----	1,660,699	1,706,602	1,478,321	1,430,723
Sweden -----	301,016	358,878	305,131	224,938
Argentina -----	122,695	221,845	203,107	94,120
Turkey -----	123,568	93,038	86,374	55,465
Indonesia -----	56,949	81,687	72,548	20,163
Taiwan -----	118,228	134,663	111,266	84,430
Norway -----	39,735	55,371	41,084	26,842
Thailand -----	43,817	65,625	58,381	23,059
Singapore -----	42,953	50,365	41,425	27,400
India -----	22,889	43,769	39,707	39,972
All others-----	124,712	164,938	140,699	87,799
Total-----	2,657,261	2,976,781	2,578,043	2,114,911
Grand total-----	8,811,149	10,512,904	8,737,461	8,146,342

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-October	
			1988	1989
Quantity (Short tons)				
VRA countries:				
Australia -----	155,077	202,683	157,360	183,901
Austria -----	119,666	138,029	115,375	64,328
Brazil -----	671,685	755,083	608,665	619,723
Czechoslovakia -----	29,792	37,301	36,275	10,580
East Germany -----	95,909	92,239	82,453	47,214
EC-----	4,358,698	4,611,870	3,678,770	3,441,402
Finland -----	160,941	209,750	161,689	146,484
Hungary -----	26,495	30,094	23,852	24,091
Japan -----	4,291,332	4,264,692	3,548,104	3,033,655
Mexico -----	429,320	424,451	355,236	298,777
Peoples Rep of China -----	51,093	68,840	52,078	47,063
Poland -----	90,476	89,295	83,633	58,578
Portugal -----	31,087	22,739	17,815	6,249
Romania -----	82,408	102,548	95,398	32,718
Republic of South Africa -----	7,437	1,693	1,693	692
Korea, Republic of -----	1,407,830	1,515,157	1,262,664	920,533
Spain -----	484,083	449,539	367,175	449,632
Trinidad and Tobago -----	62,575	28,460	25,949	32,734
Venezuela -----	130,749	119,720	113,066	95,616
Yugoslavia -----	15,394	12,751	11,170	6,517
Total-----	12,702,047	13,176,934	10,798,420	9,520,487
Other countries:				
Canada -----	3,673,795	3,327,082	2,891,994	2,587,255
Argentina -----	343,363	535,190	492,779	193,472
Turkey -----	407,413	307,985	297,183	172,975
Indonesia -----	234,667	276,988	247,052	57,200
Sweden -----	267,311	269,005	225,846	141,691
Taiwan -----	263,415	252,112	215,899	122,830
Thailand -----	120,179	160,364	144,355	51,286
Singapore -----	144,538	153,164	126,162	72,170
Norway -----	109,791	116,917	93,852	65,624
India -----	60,774	100,261	91,704	94,382
All others-----	322,184	348,084	298,377	162,528
Total-----	5,947,430	5,847,152	5,125,203	3,721,413
Grand total-----	18,649,477	19,024,086	15,923,623	13,241,900

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-October	
			1988	1989
Import/consumption ratio (percent)				
VRA countries:				
Australia -----	.2	.2	.2	.2
Austria -----	.1	.1	.1	.1
Brazil -----	.7	.8	.7	.8
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	.1	.1	.1	.1
EC-----	4.8	4.7	4.5	4.4
Finland -----	.2	.2	.2	.2
Hungary -----	2/	2/	2/	2/
Japan -----	4.7	4.4	4.4	3.9
Mexico -----	.5	.4	.4	.4
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	1.5	1.2
Spain -----	.5	.5	.5	.6
Trinidad and Tobago -----	.1	2/	2/	2/
Venezuela -----	.1	.1	.1	.1
Yugoslavia -----	2/	2/	2/	2/
Total-----	14.0	13.5	13.2	12.1
Other countries:				
Canada -----	4.1	3.4	3.5	3.3
Argentina -----	.4	.5	.6	.2
Turkey -----	.4	.3	.4	.2
Indonesia -----	.3	.3	.3	.1
Sweden -----	.3	.3	.3	.2
Taiwan -----	.3	.3	.3	.2
Thailand -----	.1	.2	.2	.1
Singapore -----	.2	.2	.2	.1
Norway -----	.1	.1	.1	.1
India -----	.1	.1	.1	.1
All others-----	.4	.4	.4	.2
Total-----	6.6	6.0	6.3	4.7
Grand total-----	20.6	19.5	19.5	16.8

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--October	
				1988	1989
Quantity (short tons)					
VRA countries:					
Australia	50,000	35	79,402	73,692	64,326
Austria	3/	0	73	58	0
Brazil	700,000	481,287	721,813	629,111	617,641
Czechoslovakia	3/	0	0	0	0
East Germany	3/	1	0	0	0
EC Countries	4/ 820,000	955,673	1,155,121	1,010,800	806,404
Finland	15,000	13,948	3,239	3,239	16,716
Hungary	3/	569	0	0	0
Japan	100,000	93,288	79,206	75,211	86,693
Mexico	100,000	61,884	63,916	59,828	76,188
Peoples Rep of China	3/	13	0	0	5
Poland	3/	1,460	353	353	293
Portugal	3/	0	0	0	0
Romania	3/	0	0	0	0
Republic of South Africa	5/ 100,000	22,578	0	0	7
Korea, Republic of	50,000	27,043	57,445	35,892	43,232
Spain	50,000	36,905	36,951	33,824	13,980
Trinidad and Tobago	3,500	0	3,058	3,058	0
Venezuela	60,000	39,822	49,663	49,663	24,327
Yugoslavia	3/	0	0	0	0
Total	2,048,500	1,734,506	2,250,240	1,974,729	1,749,812
Other countries:					
Sweden	6/	342,056	306,050	286,876	68,846
Canada	6/	135,645	103,838	94,942	105,233
Norway	6/	44,440	64,585	48,070	5,877
Soviet Union	6/	0	47,078	47,078	5,860
New Zealand	6/	28,212	46,214	46,214	0
Argentina	6/	3,131	22,820	22,820	446
Indonesia	6/	906	4,154	4,154	0
Switzerland	6/	99	0	0	22
Israel	6/	0	0	0	0
Taiwan	6/	0	0	0	0
Total	6/	554,489	594,739	550,154	186,284
Grand total	2,048,500	2,288,995	2,844,979	2,524,883	1,936,096

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	35	79,402	73,692	64,326
Austria -----	0	0	0	0
Brazil -----	467,926	720,130	627,428	617,641
Czechoslovakia -----	0	0	0	0
East Germany -----	2/	0	0	0
EC countries -----	949,332	1,151,180	1,007,590	804,983
Finland -----	13,948	3,239	3,239	16,716
Hungary -----	569	0	0	0
Japan -----	89,683	77,271	73,348	85,996
Mexico -----	61,884	63,916	59,828	76,050
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	7
Korea, Republic of -----	27,043	57,445	35,892	43,232
Spain -----	36,537	30,268	30,268	3,650
Trinidad and Tobago -----	0	3,058	3,058	0
Venezuela -----	39,822	49,663	49,663	24,327
Yugoslavia -----	0	0	0	0
Total-----	1,710,830	2,235,851	1,964,285	1,736,933
Other countries:				
Sweden -----	334,207	291,559	273,351	60,821
Canada -----	110,445	70,310	66,282	72,992
Norway -----	44,440	64,585	48,070	5,877
Soviet Union -----	0	47,078	47,078	5,860
New Zealand -----	28,212	46,214	46,214	0
Argentina -----	3,131	22,820	22,820	446
Indonesia -----	906	4,154	4,154	0
Switzerland -----	99	2/	2/	22
Total-----	521,440	546,720	507,969	146,018
Grand total-----	2,232,270	2,782,571	2,472,254	1,882,951

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	6	15,165	13,910	13,283
Austria -----	0	0	0	0
Brazil -----	87,231	161,215	138,663	153,838
Czechoslovakia -----	0	0	0	0
East Germany -----	7	0	0	0
EC countries-----	208,398	284,362	245,016	210,080
Finland -----	2,945	770	770	4,508
Hungary -----	128	0	0	0
Japan -----	20,477	19,499	18,451	24,225
Mexico -----	11,428	17,342	15,197	19,300
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	18
Korea, Republic of -----	4,809	14,573	9,098	10,557
Spain -----	6,503	6,521	6,521	1,128
Trinidad and Tobago -----	0	617	617	0
Venezuela -----	6,708	11,049	11,049	5,054
Yugoslavia -----	0	0	0	0
Total-----	352,560	531,182	459,361	441,998
Other countries:				
Sweden -----	76,098	73,544	68,871	15,249
Canada -----	26,940	21,337	19,623	24,575
Norway -----	8,098	14,757	10,637	1,288
Soviet Union -----	0	6,946	6,946	843
New Zealand -----	6,332	13,489	13,489	0
Argentina -----	1,109	6,147	6,147	172
Indonesia -----	242	1,196	1,196	0
Switzerland -----	140	3	3	97
Total-----	118,959	137,419	126,912	42,224
Grand total-----	471,519	668,601	586,273	484,222

^{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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	5,014	5,935	4,519	3,488
Austria -----	9,701	21,426	19,242	3,712
Brazil -----	112,608	171,537	146,589	118,369
Czechoslovakia -----	10,416	16,455	16,455	7,560
East Germany -----	16,091	17,270	14,971	7,666
EC countries -----	381,994	467,491	368,622	362,899
Finland -----	69,486	96,135	75,941	85,272
Hungary -----	13,933	16,146	12,543	13,444
Japan -----	35,903	44,538	32,542	39,214
Mexico -----	12,930	20,867	15,541	18,769
Peoples Rep of China -----	0	26	26	0
Poland -----	30,633	30,860	28,718	23,079
Portugal -----	0	0	0	0
Romania -----	49,274	68,325	65,003	24,226
Republic of South Africa -----	465	0	0	0
Korea, Republic of -----	64,323	68,405	56,618	42,207
Spain -----	63,973	48,484	38,762	61,217
Trinidad and Tobago -----	0	389	389	0
Venezuela -----	6,872	6,653	6,653	8,878
Yugoslavia -----	0	1,423	1,423	0
Total-----	883,616	1,102,365	904,557	820,000
Other countries:				
Canada -----	449,135	419,556	369,568	232,151
Sweden -----	106,253	110,743	92,646	58,933
Indonesia -----	46,701	84,969	81,380	203
Argentina -----	17,499	44,564	42,589	233
India -----	35,711	34,780	34,780	49,546
Egypt -----	0	21,147	21,147	0
Pakistan -----	6,227	15,610	15,610	0
Algeria -----	0	8,054	8,054	0
Turkey -----	6,145	5,946	5,946	193
New Zealand -----	0	3,849	1,377	5,544
All others -----	4,290	5,507	5,349	2/
Total-----	671,961	754,725	678,446	346,803
Grand total-----	1,555,577	1,857,090	1,583,003	1,166,803

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,285	3,190	2,478	1,767
Austria -----	3,379	8,467	7,517	1,733
Brazil -----	36,299	67,413	56,053	38,518
Czechoslovakia -----	2,292	5,280	5,280	2,226
East Germany -----	3,761	5,566	4,746	2,474
EC countries-----	126,682	197,106	154,754	152,738
Finland -----	18,573	38,528	30,936	31,074
Hungary -----	3,104	4,494	3,329	4,267
Japan -----	19,324	27,120	20,180	23,407
Mexico -----	3,340	8,122	5,955	8,028
Peoples Rep of China -----	0	28	28	0
Poland -----	7,316	9,971	9,206	7,926
Portugal -----	0	0	0	0
Romania -----	13,447	22,680	21,690	8,249
Republic of South Africa ----	145	0	0	0
Korea, Republic of -----	21,560	28,496	23,330	16,237
Spain -----	20,059	22,593	17,766	23,276
Trinidad and Tobago -----	0	122	122	0
Venezuela -----	1,762	2,062	2,062	2,837
Yugoslavia -----	0	461	461	0
Total-----	283,328	451,699	365,893	324,757
Other countries:				
Canada -----	155,991	175,573	154,040	95,996
Sweden -----	40,807	52,247	43,340	30,243
Indonesia -----	12,461	25,597	24,316	57
Argentina -----	4,317	14,038	13,444	81
India -----	13,055	14,024	14,024	16,232
Egypt -----	0	6,652	6,652	0
Pakistan -----	2,559	4,117	4,117	0
Algeria -----	0	2,330	2,330	0
Turkey -----	1,554	2,186	2,186	88
New Zealand -----	0	1,350	466	1,671
All others-----	1,708	1,855	1,800	6
Total-----	232,452	299,969	266,715	144,374
Grand total-----	515,780	751,668	632,608	469,131

^{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 $\frac{1}{2}$ 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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	123,054	169,338	129,620	156,623
Austria -----	82,055	80,141	65,273	35,644
Brazil -----	343,715	279,788	214,906	320,102
Czechoslovakia -----	2,410	0	0	10
East Germany -----	61,012	50,830	44,825	23,587
EC countries -----	2,172,597	2,143,264	1,686,243	1,551,210
Finland -----	71,070	85,164	62,583	46,846
Hungary -----	9,600	13,211	10,701	9,466
Japan -----	2,381,393	2,209,538	1,800,355	1,725,555
Mexico -----	127,973	139,529	120,525	91,167
Peoples Rep of China -----	584	0	0	18
Poland -----	13,390	11,005	11,005	0
Portugal -----	29,872	16,837	16,837	5,215
Romania -----	3,665	6,731	6,731	52
Republic of South Africa -----	372	0	0	0
Korea, Republic of -----	603,796	487,380	422,479	302,706
Spain -----	100,179	88,988	77,125	76,413
Trinidad and Tobago -----	0	63	63	0
Venezuela -----	56,293	57,246	56,756	40,471
Yugoslavia -----	0	0	0	32
Total-----	6,183,030	5,839,053	4,726,027	4,385,117
Other countries:				
Canada -----	1,119,490	856,040	745,067	688,599
Argentina -----	175,619	243,388	231,430	20,354
Taiwan -----	60,024	78,901	68,314	37,420
Sweden -----	61,509	51,007	44,656	17,201
New Zealand -----	10,795	29,118	19,071	61,468
Algeria -----	11,632	21,102	21,102	0
Indonesia -----	24,966	20,138	20,001	160
Turkey -----	67,134	17,019	17,019	20
Norway -----	15,629	14,466	10,606	15,865
Pakistan -----	10,113	8,324	8,324	0
All others-----	6,653	6,824	6,553	2,543
Total-----	1,563,564	1,346,327	1,192,143	843,630
Grand total-----	7,746,594	7,185,380	5,918,170	5,228,747

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	59,001	90,392	69,501	85,492
Austria -----	26,289	31,089	25,077	14,832
Brazil -----	119,782	111,040	84,395	127,429
Czechoslovakia -----	644	0	0	3
East Germany -----	17,087	18,100	15,922	8,651
EC countries -----	877,390	995,304	779,643	755,255
Finland -----	25,253	32,525	24,028	18,927
Hungary -----	2,371	3,751	2,950	2,979
Japan -----	1,208,940	1,211,321	992,352	1,004,257
Mexico -----	60,338	77,632	67,019	54,093
Peoples Rep of China -----	114	0	0	7
Poland -----	5,198	5,049	5,049	0
Portugal -----	14,108	8,172	8,172	2,919
Romania -----	1,246	2,176	2,176	36
Republic of South Africa -----	124	0	0	0
Korea, Republic of -----	234,228	209,663	179,515	129,421
Spain -----	40,855	41,812	35,586	34,325
Trinidad and Tobago -----	0	19	19	0
Venezuela -----	18,728	22,121	21,892	17,747
Yugoslavia -----	0	0	0	17
Total-----	2,711,696	2,860,166	2,313,296	2,256,390
Other countries:				
Canada -----	463,992	381,804	330,839	328,167
Argentina -----	64,208	92,033	87,737	11,143
Taiwan -----	22,313	31,494	27,095	17,023
Sweden -----	37,494	39,376	34,115	23,660
New Zealand -----	5,600	11,315	7,488	27,357
Algeria -----	4,076	8,668	8,668	0
Indonesia -----	6,638	7,569	7,503	76
Turkey -----	27,144	6,256	6,256	9
Norway -----	7,955	7,909	5,669	9,638
Pakistan -----	2,221	3,600	3,600	0
All others -----	2,985	3,066	2,913	1,469
Total-----	644,626	593,090	521,883	418,542
Grand total-----	3,356,322	3,453,256	2,835,179	2,674,932

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	117	826	77	384
Austria -----	394	693	663	476
Brazil -----	50,090	96,561	79,870	45,660
Czechoslovakia -----	0	0	0	0
East Germany -----	2	0	0	0
EC countries -----	209,024	222,242	176,083	132,320
Finland -----	2,752	4,081	2,991	3,338
Hungary -----	43	146	22	0
Japan -----	154,408	107,959	90,013	66,735
Mexico -----	31,521	22,813	18,754	13,941
Peoples Rep of China -----	4,820	3,441	3,110	2,878
Poland -----	1,037	1,282	874	2,346
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	57,043	60,853
Spain -----	30,581	38,094	32,737	23,965
Trinidad and Tobago -----	18,047	15,404	14,642	13,946
Venezuela -----	13,530	19,962	14,398	10,391
Yugoslavia -----	287	0	0	0
Total-----	573,169	607,782	491,306	377,233
Other countries:				
Canada -----	379,637	429,634	369,458	330,053
Turkey -----	94,882	102,560	96,706	109,153
Indonesia -----	44,957	54,015	45,176	3,133
Argentina -----	18,954	50,982	42,315	44,739
Norway -----	28,347	36,346	30,418	23,640
Taiwan -----	44,665	32,265	28,953	7,332
Singapore -----	39,869	19,311	14,022	19,595
India -----	10,014	11,249	9,407	8,113
Sweden -----	7,255	9,099	7,582	1,998
Israel -----	619	5,943	5,943	42
All others-----	38,800	1,924	1,845	5,209
Total-----	707,999	753,328	651,825	553,007
Grand total-----	1,281,168	1,361,110	1,143,131	930,240

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy ¹/₂ 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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	92	332	53	299
Austria -----	590	667	611	891
Brazil -----	15,461	29,058	24,099	19,976
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries-----	154,145	116,081	91,368	77,477
Finland -----	1,685	2,705	1,913	2,468
Hungary -----	14	63	9	0
Japan -----	62,568	49,339	40,557	34,601
Mexico -----	8,595	8,588	7,131	5,079
Peoples Rep of China -----	1,683	1,314	1,191	1,083
Poland -----	548	845	610	1,344
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	15,748	18,155
Spain -----	11,163	17,305	14,104	12,270
Trinidad and Tobago -----	5,496	3,968	3,763	4,469
Venezuela -----	3,187	5,392	3,844	3,868
Yugoslavia -----	73	0	0	0
Total-----	281,066	256,201	205,106	181,980
Other countries:				
Canada -----	146,520	186,448	159,887	143,159
Turkey -----	24,960	28,951	24,811	32,827
Indonesia -----	9,076	14,691	12,240	862
Argentina -----	4,865	16,442	13,095	17,081
Norway -----	5,906	8,963	7,386	6,578
Taiwan -----	11,531	10,022	8,853	2,678
Singapore -----	10,128	5,104	3,663	6,365
India -----	3,490	3,952	3,237	3,621
Sweden -----	4,732	5,737	4,591	1,837
Israel -----	191	1,616	1,616	18
All others-----	9,814	1,111	1,055	1,818
Total-----	231,213	283,037	240,434	216,844
Grand total-----	512,279	539,238	445,540	398,824

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	9,664	9,551	7,726	10,783
Austria -----	401	601	283	1,118
Brazil -----	50,183	58,383	47,094	46,333
Czechoslovakia -----	10,307	13,661	13,661	0
East Germany -----	12,806	16,306	15,670	12,561
EC countries-----	235,247	248,578	200,210	144,573
Finland -----	2,237	2,237	2,237	108
Hungary -----	2,862	0	0	0
Japan -----	245,672	276,003	219,753	200,053
Mexico -----	62,826	58,389	49,003	32,288
Peoples Rep of China -----	0	27	27	25
Poland -----	0	7,606	7,606	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	772	479
Spain -----	40,302	37,258	27,758	41,668
Trinidad and Tobago -----	43,094	11,312	9,563	18,724
Venezuela -----	4,471	8,916	8,916	1,567
Yugoslavia -----	0	0	0	0
Total-----	720,504	754,154	610,279	510,280
Other countries:				
Canada -----	390,071	360,096	312,991	362,527
Turkey -----	61,072	126,791	126,791	39,698
Indonesia -----	97,932	84,414	72,429	24,510
Singapore -----	60,425	81,904	66,635	29,776
Sweden -----	10,079	18,464	15,986	2,825
Saudi Arabia -----	42,619	17,972	17,972	0
Taiwan -----	15,798	16,843	14,538	14,111
Egypt -----	0	11,114	11,114	23
Malaysia -----	47,789	2,355	2,355	19
Israel -----	131	372	372	0
All others-----	2,300	144	2/	22
Total-----	728,216	720,469	641,183	473,511
Grand total-----	1,448,720	1,474,623	1,251,462	983,791

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	1,983	2,103	1,648	2,439
Austria -----	179	248	159	313
Brazil -----	12,145	16,380	13,189	13,315
Czechoslovakia -----	2,164	3,234	3,234	0
East Germany -----	2,585	3,547	3,398	3,008
EC countries -----	84,580	97,970	77,881	55,717
Finland -----	692	741	741	35
Hungary -----	557	0	0	0
Japan -----	103,044	124,039	98,012	94,685
Mexico -----	14,093	15,344	12,206	8,204
Peoples Rep of China -----	0	9	9	7
Poland -----	0	1,612	1,612	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	337	294
Spain -----	11,411	10,435	7,584	12,325
Trinidad and Tobago -----	9,538	3,293	2,660	5,686
Venezuela -----	1,014	2,000	2,000	459
Yugoslavia -----	0	0	0	0
Total -----	244,164	282,467	224,670	196,487
Other countries:				
Canada -----	127,412	130,836	113,508	132,131
Turkey -----	13,673	32,337	32,337	11,195
Indonesia -----	21,082	20,363	17,068	6,724
Singapore -----	14,388	21,983	17,636	9,390
Sweden -----	6,215	9,831	7,977	2,318
Saudi Arabia -----	8,616	3,719	3,719	0
Taiwan -----	6,199	6,764	5,873	6,116
Egypt -----	0	2,650	2,650	7
Malaysia -----	11,059	622	622	6
Israel -----	30	106	106	0
All others -----	478	131	3	11
Total -----	209,152	229,342	201,499	167,898
Grand total -----	453,316	511,809	426,169	364,385

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 $\frac{1}{2}$ steel wire: U.S. imports for consumption, by specified sources, 1987, 1988, and by specified periods, 1988 and 1989

Item	1987	1988	January--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	4,963	4,488	3,290	3,366
Austria -----	2,484	1,731	1,442	1,522
Brazil -----	10,577	14,128	12,888	8,816
Czechoslovakia -----	0	0	0	24
East Germany -----	89	0	0	0
EC countries-----	174,468	168,458	144,236	119,096
Finland -----	400	476	416	181
Hungary -----	57	0	0	0
Japan -----	96,684	78,468	64,388	57,225
Mexico -----	3,991	2,712	2,129	1,086
Peoples Rep of China -----	7,302	9,720	8,761	9,404
Poland -----	2	116	58	112
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	5,185	6,642
Spain -----	40	22	22	75
Trinidad and Tobago -----	1,435	1,060	1,060	0
Venezuela -----	7,717	5,996	5,650	5,023
Yugoslavia -----	42	3	3	0
Total-----	318,664	295,114	249,528	212,572
Other countries:				
Canada -----	194,819	193,243	166,665	158,329
Sweden -----	7,745	7,532	5,949	6,384
Taiwan -----	3,217	4,897	4,428	2,935
India -----	2,572	4,108	3,400	4,660
Saudi Arabia -----	0	4,000	4,000	0
Switzerland -----	1,372	2,591	1,978	1,532
Argentina -----	1,170	2,491	2,388	8,410
Chile -----	1,379	2,146	2,059	2,883
Ecuador -----	18	1,430	1,056	2,095
Norway -----	2,476	1,312	1,054	1,115
All others-----	3,464	865	714	1,802
Total-----	218,232	224,615	193,691	190,145
Grand total-----	536,896	519,729	443,219	402,717

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	2,329	2,018	1,483	1,506
Austria -----	3,613	2,584	2,287	2,483
Brazil -----	4,944	6,207	5,601	4,715
Czechoslovakia -----	0	0	0	16
East Germany -----	24	0	0	0
EC countries-----	129,054	141,173	119,165	107,281
Finland -----	170	231	198	87
Hungary -----	17	0	0	0
Japan -----	64,973	61,637	50,158	48,900
Mexico -----	1,681	1,320	1,038	714
Peoples Rep of China -----	2,868	4,165	3,747	4,213
Poland -----	3	59	29	59
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	3,278	4,339
Spain -----	33	37	37	87
Trinidad and Tobago -----	448	354	354	0
Venezuela -----	3,802	3,096	2,884	2,941
Yugoslavia -----	24	9	9	0
Total-----	218,950	227,557	190,268	177,341
Other countries:				
Canada -----	101,960	109,405	94,046	96,126
Sweden -----	10,304	10,678	8,685	8,119
Taiwan -----	1,964	2,903	2,547	2,722
India -----	883	1,518	1,271	1,742
Saudi Arabia -----	0	810	810	0
Switzerland -----	898	1,525	1,167	979
Argentina -----	499	1,245	1,193	3,774
Chile -----	532	946	906	1,603
Ecuador -----	9	652	487	1,037
Norway -----	1,427	1,177	983	900
All others-----	1,385	483	378	909
Total-----	119,861	131,342	112,473	117,911
Grand total-----	338,811	358,899	302,741	295,252

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	291	5	2	23
Austria -----	1,113	956	475	3,680
Brazil -----	10,382	15,018	12,324	10,233
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	34,544	23,220	19,625	60,073
Finland -----	0	1	1	50
Hungary -----	0	0	0	42
Japan -----	50,318	23,536	19,738	55,459
Mexico -----	14,577	13,693	11,235	11,722
Peoples Rep of China -----	36,253	36,866	31,277	33,386
Poland -----	19,213	16,070	14,199	13,126
Portugal -----	683	380	327	437
Romania -----	6,859	143	143	0
Republic of South Africa -----	4,340	1,550	1,550	691
Korea, Republic of -----	186,794	192,127	157,973	153,117
Spain -----	18,997	14,765	11,464	28,219
Trinidad and Tobago -----	0	94	94	0
Venezuela -----	2,683	1,352	1,187	14,556
Yugoslavia -----	7,882	7,314	5,733	4,786
Total-----	394,929	347,090	287,347	389,600
Other countries:				
Canada -----	106,028	98,251	86,870	99,755
Turkey -----	37,393	23,631	21,833	8,988
United Arab Emirates -----	7,787	20,059	16,494	13,880
Indonesia -----	11,116	18,621	14,709	21,168
Argentina -----	12,069	18,002	14,103	14,894
Taiwan -----	37,689	13,715	11,687	13,917
Thailand -----	20,516	8,627	5,841	17,851
Chile -----	10,919	8,459	6,981	6,013
India -----	505	4,571	3,440	7,002
Saudi Arabia -----	305	3,718	3,631	7,423
All others-----	10,123	7,707	6,090	12,716
Total-----	254,450	225,361	191,679	223,607
Grand total-----	649,379	572,451	479,026	613,207

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	249	20	17	66
Austria -----	1,973	1,556	1,012	7,757
Brazil -----	4,592	7,169	5,751	6,472
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	27,128	24,443	20,671	127,462
Finland -----	0	96	95	59
Hungary -----	0	0	0	23
Japan -----	46,874	28,992	24,082	108,645
Mexico -----	7,758	8,903	7,382	11,716
Peoples Rep of China -----	17,786	14,640	12,243	20,346
Poland -----	7,056	5,403	4,772	4,574
Portugal -----	820	530	448	685
Romania -----	2,424	44	44	0
Republic of South Africa -----	2,199	792	792	533
Korea, Republic of -----	128,818	138,561	111,257	135,462
Spain -----	11,866	8,752	6,741	29,867
Trinidad and Tobago -----	0	27	27	0
Venezuela -----	498	387	344	4,535
Yugoslavia -----	2,845	3,027	2,389	2,035
Total -----	262,886	243,342	198,067	460,237
Other countries:				
Canada -----	73,873	70,198	61,809	83,254
Turkey -----	12,966	8,700	7,989	5,186
United Arab Emirates -----	2,582	7,562	6,120	5,580
Indonesia -----	4,341	6,881	5,371	8,923
Argentina -----	5,105	7,943	6,124	7,877
Taiwan -----	24,306	12,448	10,293	16,123
Thailand -----	10,027	5,332	3,855	8,049
Chile -----	4,662	3,991	3,342	3,187
India -----	263	2,659	1,872	4,654
Saudi Arabia -----	103	1,239	1,206	2,694
All others -----	6,976	6,778	5,414	17,184
Total -----	145,204	133,731	113,395	162,711
Grand total -----	408,090	377,073	311,462	622,948

^{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 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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	55	139	138	291
Austria -----	377	1,541	1,462	502
Brazil -----	11,926	20,210	15,911	10,896
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	92
EC countries-----	645,485	732,369	570,555	534,748
Finland -----	341	118	118	2,649
Hungary -----	0	0	0	0
Japan -----	629,977	590,217	531,574	347,578
Mexico -----	17,953	24,912	19,600	14,991
Peoples Rep of China -----	8	208	208	701
Poland -----	18,559	14,059	14,059	16,196
Portugal -----	122	0	0	45
Romania -----	0	19	0	152
Republic of South Africa -----	933	143	143	0
Korea, Republic of -----	135,070	169,302	152,010	81,476
Spain -----	177,434	171,068	141,776	166,224
Trinidad and Tobago -----	0	0	0	65
Venezuela -----	0	2/	0	50
Yugoslavia -----	0	263	263	0
Total-----	1,638,240	1,724,568	1,447,817	1,176,656
Other countries:				
Canada -----	398,180	338,187	296,373	207,486
Norway -----	61,316	64,361	51,404	24,605
Argentina -----	17,757	27,523	25,855	30,494
Taiwan -----	17,179	9,020	7,765	5,694
New Zealand -----	9,076	8,242	7,363	7,498
Indonesia -----	0	4,074	3,428	3,251
Sweden -----	2,170	3,925	1,643	901
Thailand -----	0	3,278	1,161	0
Singapore -----	6,702	3,129	2,924	719
Switzerland -----	131	626	587	141
All others-----	2,917	1,534	1,420	1,648
Total-----	515,428	463,899	399,923	282,437
Grand total-----	2,153,668	2,188,467	1,847,740	1,459,093

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	54	135	120	884
Austria -----	1,455	1,865	1,554	1,403
Brazil -----	4,099	8,055	6,873	4,943
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	28
EC countries -----	222,416	294,725	231,177	213,961
Finland -----	336	248	248	4,036
Hungary -----	0	0	0	0
Japan -----	189,574	228,010	201,782	146,939
Mexico -----	7,074	11,585	9,179	7,542
Peoples Rep of China -----	71	154	154	555
Poland -----	3,990	3,587	3,587	5,098
Portugal -----	78	0	0	268
Romania -----	0	11	0	65
Republic of South Africa -----	573	694	694	0
Korea, Republic of -----	59,530	84,018	75,725	43,439
Spain -----	48,816	62,180	51,637	57,522
Trinidad and Tobago -----	0	0	0	48
Venezuela -----	0	1	0	15
Yugoslavia -----	0	393	393	0
Total -----	538,066	695,661	583,123	486,746
Other countries:				
Canada -----	220,522	201,529	173,476	128,022
Norway -----	15,052	21,943	15,866	7,880
Argentina -----	4,186	7,274	6,975	10,137
Taiwan -----	9,331	5,476	4,481	5,434
New Zealand -----	9,040	8,814	7,564	8,710
Indonesia -----	0	1,173	987	951
Sweden -----	7,243	5,413	5,029	2,536
Thailand -----	0	1,711	611	0
Singapore -----	4,293	2,903	2,726	509
Switzerland -----	818	1,557	1,531	249
All others -----	6,366	1,349	1,184	1,979
Total -----	276,851	259,142	220,430	166,407
Grand total -----	814,917	954,803	803,553	653,153

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:
imports for consumption, by specified sources, 1987, 1988, and by specific
periods, 1988 and 1989

Item	1987	1988	January--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	30	2	2	3,199
Austria -----	5	703	257	5,496
Brazil -----	2,440	4,553	3,678	2,777
Czechoslovakia -----	0	0	0	0
East Germany -----	0	1	1	0
EC countries -----	42,340	51,287	44,041	48,915
Finland -----	2/	3	3	0
Hungary -----	0	4	0	0
Japan -----	84,891	79,347	56,360	63,643
Mexico -----	46	26	25	339
Peoples Rep of China -----	45	25	25	432
Poland -----	0	0	0	105
Portugal -----	0	1,071	650	552
Romania -----	0	0	0	0
Republic of South Africa -----	879	2/	2/	0
Korea, Republic of -----	5,803	6,919	6,346	6,603
Spain -----	0	0	0	36
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	344	77	77	0
Yugoslavia -----	0	0	0	0
Total-----	136,823	144,018	111,465	132,097
Other countries:				
Canada -----	101,439	172,077	141,442	131,751
Sweden -----	7,424	3,064	3,048	845
Gabon -----	0	128	0	0
Taiwan -----	168	128	99	353
Argentina -----	6	6	6	1,794
India -----	0	6	6	0
Philippines -----	0	6	6	0
Honduras -----	0	2/	0	9
Norway -----	0	2/	2/	0
Colombia -----	0	0	0	63
All others-----	127	0	0	63
Total-----	109,164	175,415	144,607	134,878
Grand total-----	245,987	319,433	256,072	266,975

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy ¹/₂ 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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	15	7	7	3,579
Austria -----	37	299	86	3,103
Brazil -----	2,016	3,751	3,069	2,397
Czechoslovakia -----	0	0	0	0
East Germany -----	0	5	5	0
EC countries -----	17,563	24,466	20,442	25,438
Finland -----	5	14	14	0
Hungary -----	0	25	0	0
Japan -----	34,066	38,835	26,919	35,466
Mexico -----	14	37	30	333
Peoples Rep of China -----	32	9	9	206
Poland -----	0	0	0	49
Portugal -----	0	748	434	461
Romania -----	0	0	0	0
Republic of South Africa -----	563	1	1	0
Korea, Republic of -----	1,863	2,580	2,337	3,364
Spain -----	0	0	0	157
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	70	24	24	0
Yugoslavia -----	0	0	0	0
Total -----	56,244	70,801	53,377	74,553
Other countries:				
Canada -----	20,479	50,140	41,561	53,346
Sweden -----	2,553	1,001	919	536
Gabon -----	0	67	0	0
Taiwan -----	302	294	213	613
Argentina -----	24	17	17	559
India -----	0	16	16	0
Philippines -----	0	28	28	0
Honduras -----	0	2	0	4
Norway -----	0	3	3	0
Colombia -----	0	0	0	208
All others -----	284	0	0	107
Total -----	23,642	51,568	42,757	55,373
Grand total -----	79,886	122,369	96,134	129,926

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 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

Item	1987	1988	January--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	11,869	12,375	11,961	5,724
Austria -----	19,766	26,408	23,220	8,968
Brazil -----	75,669	87,724	68,947	49,250
Czechoslovakia -----	6,660	7,164	6,138	2,953
East Germany -----	5,909	7,828	6,986	3,309
EC countries -----	383,341	458,471	390,735	376,319
Finland -----	5,968	12,755	9,385	6,000
Hungary -----	0	585	585	1,072
Japan -----	542,452	790,770	681,142	394,771
Mexico -----	137,761	131,349	109,550	103,729
Peoples Rep of China -----	2,056	18,422	8,594	48
Poland -----	7,267	8,048	6,945	3,400
Portugal -----	410	0	0	0
Romania -----	22,488	27,284	23,475	8,288
Republic of South Africa -----	40	0	0	0
Korea, Republic of -----	331,525	496,059	393,603	255,639
Spain -----	32,753	29,637	21,922	36,841
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	38,840	19,510	19,428	14,679
Yugoslavia -----	7,183	3,732	3,732	1,696
Total-----	1,631,957	2,138,121	1,786,348	1,272,686
Other countries:				
Canada -----	514,456	436,372	382,888	358,270
Thailand -----	93,717	148,259	137,235	33,129
Argentina -----	100,108	148,192	134,052	72,346
Taiwan -----	79,176	88,055	73,436	37,273
Singapore -----	37,408	47,545	41,518	21,918
India -----	10,848	44,486	39,744	22,737
Turkey -----	140,786	32,001	28,869	14,901
Sweden -----	30,146	26,842	23,144	13,647
Malaysia -----	13,285	22,879	21,595	2,190
Chile -----	2,077	22,048	17,359	2,212
All others-----	94,680	95,139	72,532	33,386
Total-----	1,116,687	1,111,818	972,372	612,009
Grand total-----	2,748,644	3,249,939	2,758,720	1,884,695

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	1987	1988	January--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	4,265	4,959	4,788	2,607
Austria -----	11,963	23,494	20,098	7,332
Brazil -----	32,186	41,170	32,442	28,269
Czechoslovakia -----	2,057	3,472	2,885	1,371
East Germany -----	1,862	4,115	3,518	1,391
EC countries -----	197,587	322,171	269,056	245,565
Finland -----	1,915	5,624	4,075	2,987
Hungary -----	0	266	266	458
Japan -----	295,849	597,887	508,000	301,725
Mexico -----	57,935	71,872	60,182	56,811
Peoples Rep of China -----	895	7,066	3,106	32
Poland -----	2,219	3,115	2,552	1,502
Portugal -----	157	0	0	0
Romania -----	7,377	11,018	9,311	3,350
Republic of South Africa -----	15	0	0	0
Korea, Republic of -----	137,101	239,742	187,478	129,225
Spain -----	16,510	23,994	18,373	23,292
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	13,066	7,535	7,490	6,393
Yugoslavia -----	2,462	2,036	2,036	739
Total -----	785,421	1,369,536	1,135,656	813,049
Other countries:				
Canada -----	254,194	266,692	234,490	226,406
Thailand -----	32,613	58,119	53,646	14,259
Argentina -----	38,060	76,641	68,309	43,034
Taiwan -----	28,607	39,591	32,571	19,442
Singapore -----	13,763	19,833	16,982	10,682
India -----	4,059	20,173	18,017	10,361
Turkey -----	43,271	14,568	12,788	6,143
Sweden -----	21,798	23,510	19,882	13,784
Malaysia -----	4,615	9,314	8,748	957
Chile -----	829	9,500	7,416	1,097
All others -----	35,348	41,391	30,131	15,566
Total -----	477,157	579,332	502,980	361,731
Grand total -----	1,262,578	1,948,868	1,638,636	1,174,780

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	155,092	282,061	231,028	248,208
Austria -----	116,298	134,200	112,317	61,118
Brazil -----	1,135,516	1,468,033	1,229,635	1,230,077
Czechoslovakia -----	29,792	37,280	36,254	10,546
East Germany -----	95,910	92,234	82,453	47,214
EC countries -----	5,228,372	5,666,561	4,607,939	4,135,134
Finland -----	166,202	204,209	156,915	161,161
Hungary -----	27,064	30,094	23,852	24,024
Japan -----	4,311,383	4,277,647	3,569,212	3,036,228
Mexico -----	471,462	478,207	406,192	364,083
Peoples Rep of China -----	51,081	68,735	52,027	46,898
Poland -----	91,561	89,325	83,743	58,364
Portugal -----	31,087	22,739	17,815	6,249
Romania -----	82,408	102,530	95,380	32,718
Republic of South Africa -----	30,015	1,693	1,693	698
Korea, Republic of -----	1,419,183	1,560,497	1,287,921	952,955
Spain -----	500,796	458,584	381,834	438,309
Trinidad and Tobago -----	62,575	31,380	28,869	32,734
Venezuela -----	170,571	169,376	162,729	119,943
Yugoslavia -----	15,394	12,734	11,153	6,514
Total-----	14,191,762	15,188,119	12,578,961	11,013,175
Other countries:				
Canada -----	3,763,701	3,373,766	2,937,605	2,641,912
Argentina -----	346,313	557,969	515,558	193,709
Sweden -----	566,885	522,294	468,045	165,315
Turkey -----	407,413	307,985	297,183	172,975
Indonesia -----	235,573	281,142	251,206	57,198
Taiwan -----	257,931	243,886	209,284	119,035
Norway -----	154,194	181,502	141,922	71,501
Thailand -----	120,179	160,176	144,251	51,003
Singapore -----	144,538	153,163	126,162	72,056
India -----	60,231	99,714	91,207	93,481
All others-----	350,185	441,075	391,417	167,863
Total-----	6,407,143	6,322,672	5,573,840	3,806,048
Grand total-----	20,598,905	21,510,791	18,152,801	14,819,223

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	70,279	118,320	94,005	111,922
Austria -----	49,477	70,268	58,402	39,847
Brazil -----	318,756	451,458	370,136	399,872
Czechoslovakia -----	7,156	11,986	11,400	3,616
East Germany -----	25,328	31,334	27,589	15,552
EC countries -----	2,044,943	2,497,803	2,009,173	1,970,973
Finland -----	51,574	81,482	63,018	64,181
Hungary -----	6,191	8,600	6,554	7,726
Japan -----	2,045,689	2,386,680	1,980,494	1,822,850
Mexico -----	172,255	220,745	185,320	171,821
Peoples Rep of China -----	23,479	27,385	20,486	26,457
Poland -----	26,671	29,711	27,487	20,553
Portugal -----	15,163	10,575	9,056	4,334
Romania -----	25,093	36,033	33,325	11,700
Republic of South Africa -----	7,322	1,487	1,487	551
Korea, Republic of -----	608,066	743,129	608,104	490,492
Spain -----	167,216	193,629	158,349	194,248
Trinidad and Tobago -----	15,482	8,400	7,562	10,203
Venezuela -----	48,835	53,667	51,589	43,849
Yugoslavia -----	5,404	5,925	5,287	2,791
Total-----	5,734,379	6,988,617	5,728,823	5,413,538
Other countries:				
Canada -----	1,591,881	1,593,962	1,383,278	1,311,181
Argentina -----	122,372	221,780	203,042	93,858
Sweden -----	207,367	221,486	193,491	103,688
Turkey -----	123,568	93,038	86,374	55,462
Indonesia -----	56,949	81,687	72,548	20,110
Taiwan -----	104,597	109,041	91,974	70,152
Norway -----	39,717	55,371	41,084	26,837
Thailand -----	43,817	65,167	58,117	22,331
Singapore -----	42,953	50,360	41,425	27,012
India -----	22,038	42,731	38,765	37,560
All others -----	123,858	163,352	139,380	85,822
Total-----	2,479,117	2,697,975	2,349,478	1,854,013
Grand total-----	8,213,496	9,686,592	8,078,301	7,267,551

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	73	58	0
Brazil -----	13,361	1,683	1,683	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	6,340	3,941	3,210	1,421
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	3,605	1,935	1,863	698
Mexico -----	0	0	0	138
Peoples Rep of China -----	0	0	0	0
Poland -----	0	74	74	293
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	3,556	10,330
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	23,674	14,389	10,444	12,880
Other countries:				
Canada -----	25,200	33,527	28,660	32,242
Sweden -----	7,849	14,491	13,525	8,025
Israel -----	0	0	0	1/
Taiwan -----	0	0	0	1/
Total-----	33,049	48,018	42,185	40,267
Grand total-----	56,723	62,407	52,629	53,147

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	1988		January--October	
	1987	1988	1988	1989
Value (thousand dollars)				
IRA countries:				
Australia -----	0	0	0	0
Austria -----	0	234	181	0
Brazil -----	3,904	542	542	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	4,418	6,353	4,975	1,614
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	3,581	2,906	2,753	1,410
Mexico -----	0	0	0	324
Peoples Rep of China -----	0	0	0	0
Poland -----	0	102	102	532
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	4,562	7,282
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	13,469	16,904	13,115	11,162
Other countries:				
Canada -----	25,133	52,871	44,011	62,116
Sweden -----	7,692	23,240	21,183	18,618
Israel -----	0	0	0	5
Hong Kong -----	0	0	0	2
Taiwan -----	0	0	0	16
Total -----	32,825	76,111	65,194	80,757
Grand total -----	46,294	93,015	78,309	91,919

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--October	
			1988	1989
	Quantity (short tons)			
VRA countries:				
Australia -----	0	0	0	0
Austria -----	96	249	199	109
Brazil -----	36	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,278	7,364	6,415	9,026
Finland -----	2,369	2,730	2,534	828
Hungary -----	0	0	0	0
Japan -----	1,558	2,225	1,926	1,340
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	5
Spain -----	0	0	0	66
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	9,339	12,693	11,074	11,378
Other countries:				
Sweden -----	1,744	2,779	1,250	1,619
Canada -----	34	371	316	158
Anguilla -----	0	5	0	0
Total-----	1,778	3,155	1,566	1,777
Grand total-----	11,117	15,848	12,640	13,155

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	366	953	798	499
Brazil -----	56	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	9,256	15,635	12,904	28,036
Finland -----	3,590	6,147	5,492	2,551
Hungary -----	0	0	0	0
Japan -----	2,339	4,514	3,696	3,960
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	11
Spain -----	0	0	0	130
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	15,609	27,299	22,890	35,190
Other countries:				
Sweden -----	3,986	6,775	3,461	4,795
Canada -----	33	889	726	362
Anguilla -----	0	9	0	0
Total -----	4,019	7,673	4,187	5,157
Grand total -----	19,628	34,972	27,077	40,347

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	1/
Austria -----	52	29	29	14
Brazil -----	550	313	313	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	41,504	46,605	36,822	46,369
Finland -----	6,296	6,045	5,473	1,205
Hungary -----	0	0	0	0
Japan -----	25,733	22,393	18,104	36,168
Mexico -----	18,819	8,814	7,750	10,290
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	7,333	6,271
Spain -----	13,700	14,153	10,015	9,902
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	5	0	0
Yugoslavia -----	0	0	0	0
Total-----	116,125	106,202	85,839	110,219
Other countries:				
Sweden -----	7,493	8,433	7,249	4,963
Canada -----	4,892	3,838	3,228	2,120
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	117
Total-----	13,169	12,382	10,588	7,200
Grand total-----	129,294	118,584	96,427	117,419

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--October	
			1988	1989
Value (thousand dollars)				
RA countries:				
Australia -----	0	0	0	3
Austria -----	202	136	136	68
Brazil -----	675	480	480	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	65,434	91,017	69,343	101,694
Finland -----	9,834	13,459	11,759	3,396
Hungary -----	0	0	0	0
Japan -----	43,684	50,112	38,595	76,871
Mexico -----	30,157	16,454	13,806	25,361
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	16,003	15,327
Spain -----	20,342	31,308	21,364	22,511
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	21	0	0
Yugoslavia -----	0	0	0	0
Total -----	184,816	220,330	171,486	245,231
Other countries:				
Sweden -----	17,785	24,684	20,351	17,675
Canada -----	8,019	9,552	7,912	6,660
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
Jordan -----	37	0	0	0
Hong Kong -----	59	0	0	0
All others-----	464	0	0	95
Total -----	26,883	34,469	28,496	24,433
Grand total -----	211,699	254,799	199,982	269,664

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	94	183	177	57
Brazil -----	1,450	3,827	3,384	3,283
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	5,899	8,421	7,325	5,543
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	19,259	16,715	13,532	12,346
Mexico -----	0	49	49	0
Peoples Rep of China -----	4	2	2	7
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	1,124	2,167
Spain -----	3,826	4,285	3,602	2,322
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	33,114	35,104	29,213	25,725
Other countries:				
Sweden -----	3,200	3,708	3,053	1,090
Canada -----	1,269	1,641	1,276	610
India -----	126	224	224	64
Taiwan -----	59	49	36	59
Hong Kong -----	0	1/	0	0
Switzerland -----	66	1/	1/	9
Argentina -----	111	0	0	49
Bulgaria -----	46	0	0	0
Jordan -----	0	0	0	10
Singapore -----	0	0	0	1/
All others-----	0	0	0	2
Total-----	4,877	5,622	4,589	1,893
Grand total-----	37,991	40,726	33,802	27,618

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	257	412	400	160
Brazil -----	2,503	5,743	4,962	7,741
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	11,437	19,765	16,496	16,848
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	36,707	40,671	30,831	38,136
Mexico -----	0	163	163	0
Peoples Rep of China -----	75	40	40	32
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	2,108	6,287
Spain -----	6,889	10,122	8,209	6,832
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	62,162	80,335	63,239	76,036
Other countries:				
Sweden -----	6,180	8,981	6,932	3,792
Canada -----	2,136	3,608	2,912	1,926
India -----	199	420	420	145
Taiwan -----	108	162	113	166
Hong Kong -----	0	3	0	0
Switzerland -----	129	1	1	50
Argentina -----	201	0	0	87
Bulgaria -----	70	0	0	0
Jordan -----	0	0	0	41
Singapore -----	0	0	0	2
All others -----	0	0	0	53
Total -----	9,023	13,175	10,378	6,262
Grand total -----	71,185	93,510	73,617	82,298

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	49	25	88
Brazil -----	874	964	964	788
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	5,482	6,898	5,254	7,351
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,544	5,483	4,572	4,976
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	367	204
Spain -----	1,542	1,979	1,515	1,214
Trinidad and Tobago -----	0	138	138	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	17	17	0
Total -----	14,310	15,903	12,852	14,621
Other countries:				
Sweden -----	3,955	3,159	2,613	2,780
Taiwan -----	47	148	148	0
Canada -----	0	1/	1/	223
Total -----	4,002	3,307	2,761	3,003
Grand total -----	18,312	19,210	15,613	17,624

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	0	68	34	129
Brazil -----	1,224	1,543	1,543	1,710
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	11,089	17,917	13,173	21,537
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,927	11,611	9,100	13,459
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	539	465
Spain -----	2,539	5,122	3,791	3,643
Trinidad and Tobago -----	0	202	202	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	22	22	0
Total -----	24,929	37,037	28,404	40,943
Other countries:				
Sweden -----	6,995	7,916	5,985	9,055
Taiwan -----	72	328	328	0
Canada -----	0	2	2	620
Total -----	7,067	8,246	6,315	9,675
Grand total -----	31,996	45,283	34,719	50,618

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	1/	1/	1/	1/
Austria -----	37	25	10	87
Brazil -----	188	156	156	840
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	6,763	7,713	5,805	6,258
Finland -----	0	0	0	7
Hungary -----	0	0	0	0
Japan -----	4,254	4,719	3,525	4,043
Mexico -----	0	1	1	6
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	745	635
Spain -----	621	388	234	372
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	3	0	0
Yugoslavia -----	0	0	0	3
Total-----	12,818	13,991	10,476	12,251
Other countries:				
Sweden -----	2,555	2,685	2,172	2,137
Canada -----	2,043	2,277	1,999	1,958
Taiwan -----	1,462	1,221	982	1,073
Switzerland -----	47	268	226	319
India -----	77	209	180	832
Singapore -----	0	1/	0	0
Israel -----	65	0	0	0
Thailand -----	0	0	0	10
Hong Kong -----	0	0	0	1/
New Zealand -----	15	0	0	0
Total-----	6,264	6,660	5,559	6,329
Grand total-----	19,082	20,651	16,035	18,580

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	64	39	33	58
Austria -----	172	117	48	425
Brazil -----	282	304	304	2,042
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	17,601	23,826	17,775	23,606
Finland -----	0	0	0	58
Hungary -----	0	0	0	0
Japan -----	13,957	18,705	13,762	17,411
Mexico -----	0	6	6	3
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	2,214	2,601
Spain -----	1,280	1,096	579	1,203
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	11	0	0
Yugoslavia -----	0	0	0	4
Total -----	35,612	47,148	34,721	47,411
Other countries:				
Sweden -----	10,548	12,922	9,971	11,993
Canada -----	6,960	9,650	8,245	10,537
Taiwan -----	3,797	3,824	2,908	3,722
Switzerland -----	170	1,254	1,026	1,505
India -----	159	414	343	2,244
Singapore -----	0	5	0	0
Israel -----	85	0	0	0
Thailand -----	0	0	0	46
Hong Kong -----	0	0	0	4
New Zealand -----	49	0	0	0
Total -----	21,768	28,069	22,493	30,051
Grand total -----	57,380	75,217	57,214	77,462

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	0	23	23	0
Austria -----	395	756	640	529
Brazil -----	0	0	0	12
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	4,430	6,694	5,699	9,965
Finland -----	0	1/	1/	0
Hungary -----	0	0	0	0
Japan -----	7,208	8,365	7,048	7,614
Mexico -----	781	950	726	337
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	364	517
Spain -----	88	388	212	974
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	13,419	17,568	14,712	19,952
Other countries:				
Canada -----	5,432	6,925	6,120	5,479
Taiwan -----	3,571	6,809	5,450	2,545
Sweden -----	4,016	5,253	4,482	3,648
Thailand -----	0	188	105	273
India -----	0	4	2	5
Israel -----	1/	4	4	1/
Switzerland -----	2	1	1	8
New Zealand -----	0	1/	1/	0
Norway -----	1/	0	0	1/
Malaysia -----	1/	0	0	13
All others -----	6	0	0	113
Total-----	13,027	19,184	16,164	12,084
Grand total-----	26,446	36,752	30,876	32,036

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--October	
			1988	1989
Value (thousand dollars)				
IRA countries:				
Australia -----	0	135	135	0
Austria -----	1,637	4,157	3,389	4,162
Brazil -----	0	0	0	54
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	14,405	25,735	21,458	34,970
Finland -----	0	1	1	0
Hungary -----	0	0	0	0
Japan -----	22,587	31,923	25,613	42,404
Mexico -----	1,654	2,891	2,075	1,158
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	1,161	1,879
Spain -----	282	1,726	848	5,103
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	41,977	67,823	54,680	89,746
Other countries:				
Canada -----	17,196	24,048	20,440	26,548
Taiwan -----	9,190	21,308	15,944	10,280
Sweden -----	12,414	22,285	18,375	19,951
Thailand -----	0	458	265	683
India -----	0	17	8	20
Israel -----	49	77	73	2
Switzerland -----	168	177	157	154
New Zealand -----	0	2	2	0
Norway -----	2	0	0	5
Malaysia -----	2	0	0	45
All others -----	21	0	0	386
Total -----	39,042	68,372	55,264	58,074
Grand total -----	81,019	136,195	109,944	147,820

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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	19	0	0	18
Austria -----	2,693	2,538	1,980	2,326
Brazil -----	997	1,920	1,641	2,364
Czechoslovakia -----	0	21	21	33
East Germany -----	0	4	0	0
EC countries -----	10,302	12,795	11,100	26,739
Finland -----	22	5	5	0
Hungary -----	0	0	0	67
Japan -----	6,077	4,416	3,533	16,935
Mexico -----	139	346	346	108
Peoples Rep of China -----	1/	103	49	158
Poland -----	304	249	169	213
Portugal -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,388	779	703	1,010
Spain -----	47	30	30	124
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	21,988	23,206	19,577	50,095
Other countries:				
Sweden -----	11,669	12,254	10,333	20,960
Canada -----	6,868	8,573	7,734	7,785
Argentina -----	70	42	42	160
India -----	0	19	0	1/
Switzerland -----	1/	1/	0	1/
Soviet Union -----	0	0	0	10
Israel -----	0	0	0	1/
United Arab Emirates -----	0	0	0	179
Malaysia -----	2	0	0	0
Taiwan -----	1/	0	0	0
Total-----	18,609	20,888	18,109	29,094
Grand total-----	40,597	44,094	37,686	79,189

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia	31	0	0	41
Austria	5,895	6,561	5,074	6,431
Brazil	1,349	3,560	3,043	3,502
Czechoslovakia	0	33	33	46
East Germany	0	6	0	0
EC countries	18,504	23,173	19,718	38,045
Finland	37	15	15	0
Hungary	0	0	0	30
Japan	12,370	14,883	12,138	21,366
Mexico	142	434	434	156
Peoples Rep of China	4	149	85	205
Poland	454	468	312	521
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	1,167	1,655
Spain	54	40	40	179
Trinidad and Tobago	0	0	0	0
Venezuela	0	0	0	0
Yugoslavia	0	0	0	0
Total	40,937	50,625	42,059	72,177
Other countries:				
Sweden	28,049	30,589	25,382	35,372
Canada	9,342	12,019	10,794	10,774
Argentina	122	65	65	174
India	0	16	0	4
Switzerland	2	2	0	1
Soviet Union	0	0	0	8
Israel	0	0	0	10
United Arab Emirates	0	0	0	149
Malaysia	1	0	0	0
Taiwan	1	0	0	0
Total	37,517	42,691	36,241	46,492
Grand total	78,454	93,316	78,300	118,669

/ 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--October	
			1988	1989
Quantity (short tons)				
VRA countries:				
Australia -----	20	24	24	19
Austria -----	3,368	3,901	3,117	3,210
Brazil -----	17,456	8,863	8,141	7,287
Czechoslovakia -----	0	21	21	33
East Germany -----	0	4	0	0
EC countries -----	85,998	100,430	81,631	112,672
Finland -----	8,687	8,780	8,012	2,040
Hungary -----	0	0	0	67
Japan -----	73,238	66,251	54,103	84,120
Mexico -----	19,741	10,160	8,872	10,882
Peoples Rep of China -----	26	106	51	170
Poland -----	375	323	243	506
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	10,635	10,810
Spain -----	20,193	27,906	19,165	25,303
Trinidad and Tobago -----	0	138	138	0
Venezuela -----	0	7	0	0
Yugoslavia -----	0	17	17	3
Total-----	244,791	239,054	194,188	257,122
Other countries:				
Canada -----	45,739	57,153	49,331	50,576
Sweden -----	42,482	52,761	44,678	45,222
Taiwan -----	5,484	8,227	6,615	3,796
India -----	544	546	496	901
Switzerland -----	116	270	227	336
Thailand -----	0	188	105	283
Argentina -----	181	42	42	209
Honduras -----	0	19	19	0
Anguilla -----	0	5	0	0
Israel -----	65	4	4	1
All others -----	167	4	3	329
Total-----	94,778	119,219	101,520	101,653
Grand total-----	339,569	358,273	295,708	358,775

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--October	
			1988	1989
Value (thousand dollars)				
VRA countries:				
Australia -----	95	174	168	102
Austria -----	8,529	12,639	10,060	11,875
Brazil -----	9,993	12,173	10,875	15,048
Czechoslovakia -----	0	33	33	46
East Germany -----	0	6	0	0
EC countries -----	152,144	223,422	175,842	266,350
Finland -----	13,461	19,623	17,268	6,005
Hungary -----	0	0	0	30
Japan -----	144,150	175,325	136,488	215,016
Mexico -----	31,955	19,948	16,485	27,004
Peoples Rep of China -----	108	189	125	248
Poland -----	470	570	414	1,054
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	23,192	28,224
Spain -----	32,952	56,181	39,393	46,884
Trinidad and Tobago -----	0	202	202	0
Venezuela -----	0	32	0	0
Yugoslavia -----	0	22	22	4
Total -----	419,509	547,505	430,597	617,894
Other countries:				
Canada -----	68,819	112,639	95,043	119,542
Sweden -----	93,649	137,391	111,640	121,250
Taiwan -----	13,631	25,622	19,293	14,278
India -----	851	1,039	942	2,413
Switzerland -----	469	1,434	1,184	1,711
Thailand -----	0	458	265	729
Argentina -----	323	65	65	262
Honduras -----	0	35	35	0
Anguilla -----	0	9	0	0
Israel -----	134	77	73	16
All others -----	269	35	27	699
Total -----	178,145	278,804	228,567	260,900
Grand total -----	597,654	826,309	659,164	878,794

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-October	
			1988	1989
Carbon and certain alloy 1/2 steel:				
Semifinished 2/-----	211	240	237	257
Plate-----	332	405	400	402
Sheet and strip:				
Hot rolled-----	308	364	359	379
Cold rolled-----	449	509	506	547
Galvanized-----	503	552	551	583
Tin plate-----	533	567	562	613
Tin free-----	509	542	535	568
Other coated-----	528	590	589	612
Average, sheet and strip-----	433	481	479	512
Bar:				
Hot finished-----	369	406	402	438
Cold finished-----	831	598	592	651
Reinforcing-----	248	262	253	300
Light shapes-----	315	382	370	350
Average, bar-----	400	396	390	429
Wire rod-----	313	347	341	370
Wire-----	631	691	683	733
Wire products-----	628	659	650	1,016
Structural shapes and units:				
Heavy structurals-----	304	376	374	377
Fabricated structurals-----	898	939	926	1,127
Average, structurals-----	378	436	435	448
Rails and related products-----	325	383	375	487
Pipe and tube:				
Oil country tubular goods-----	536	730	728	753
Line pipe-----	421	529	527	571
Mechanical pipe-----	623	675	661	749
Structural pipe-----	368	507	500	564
Pressure tubing-----	688	793	747	997
Other (incl. standard)-----	415	487	481	522
Average, pipe and tube-----	459	600	594	623
Average, carbon and certain alloy 1/2 steel-----	399	450	445	490

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-October	
			1988	1989
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	816	1,490	1,488	1,730
Plate	1,766	2,207	2,142	3,067
Sheet and strip:				
Sheet	1,566	2,067	1,997	2,137
Strip	2,555	3,331	3,188	3,196
Average, sheet and strip:	1,637	2,149	2,074	2,297
Bars and shapes	1,874	2,296	2,178	2,980
Wire rod	1,747	2,357	2,224	2,872
Wire	3,007	3,642	3,568	4,169
Pipe and tube	3,063	3,706	3,561	4,614
Alloy tool steel (all forms)	1,932	2,116	2,078	1,499
Average, stainless and alloy steel	1,760	2,306	2,229	2,449

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-October	
	1987	1988	1988	1989	1988	1989
Quantity (short tons)						
Carbon and certain alloy ^{3/} steel:						
Semifinished ^{2/}						
Ingots-----	103,967	103,282	101,572	24,683		
Blooms and billets-----	426,208	581,907	505,610	429,982		
Slabs and sheet bars-----	1,702,095	2,097,383	1,865,072	1,428,286		
Total-----	2,232,270	2,782,572	2,472,255	1,882,951		
Plate:						
Carbon-----	1,450,898	1,750,917	1,492,643	1,079,405		
Alloy-----	104,678	106,172	90,362	87,400		
Total-----	1,555,577	1,857,090	1,583,005	1,166,805		
Sheet and strip:						
Hot rolled:						
Sheet-----	2,123,804	2,199,268	1,772,145	1,497,595		
Strip-----	43,197	49,553	39,031	93,955		
Cold rolled:						
Black plate-----	159,779	145,166	119,318	123,376		
Electrical-----	64,822	64,684	52,340	71,397		
Other sheet-----	2,156,348	2,011,242	1,634,030	1,417,568		
Other strip-----	135,227	126,534	107,928	96,784		
Galvanized-----	2,306,233	1,948,811	1,668,134	1,341,148		
Tin plate-----	332,306	294,552	242,591	289,511		
Tin free-----	101,172	97,460	75,679	96,793		
Other coated-----	323,709	248,111	206,973	200,619		
Total-----	7,746,596	7,185,380	5,918,170	5,228,747		
Bar:						
Hot rolled:						
Carbon-----	443,037	476,951	393,898	338,534		
Alloy-----	160,811	186,902	161,925	132,655		
Cold rolled:						
Carbon-----	152,283	161,345	135,792	102,790		
Alloy-----	40,927	52,093	42,265	39,238		
Reinforcing-----	351,632	357,253	297,980	225,833		
Light structural shapes-----	132,477	126,568	111,270	91,191		
Total-----	1,281,168	1,361,113	1,143,131	930,240		

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	January-October			
	1987	1988	1988	1989
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,341,257	1,355,951	1,153,410	903,675
Alloy-----	107,463	118,672	98,052	80,118
Wire:				
Carbon-----	504,898	486,699	416,304	368,884
Alloy-----	31,999	33,028	26,913	33,834
Wire products:				
Nails-----	440,746	364,748	311,861	319,762
Barbed wire-----	16,643	15,538	13,773	10,780
Wire fencing-----	13,263	12,052	9,823	44,101
Bale ties-----	1,719	1,849	1,435	870
Wire strand-----	98,898	88,300	70,462	137,288
Wire rope-----	65,683	77,564	61,192	100,407
Milliners wire-----	12,426	12,400	10,482	1/
Total-----	2,634,993	2,566,801	2,173,709	1,999,718
Structurals:				
Heavy-----	1,884,684	1,955,762	1,644,890	1,322,001
Fabricated-----	268,985	232,705	202,849	137,092
Total-----	2,153,669	2,188,467	1,847,739	1,459,094
Rails and related products:				
Rails-----	213,530	260,006	206,241	195,375
Joint bars and tie plates-----	13,969	8,487	7,941	13,292
Track spikes-----	370	205	204	5,538
Wheels and axles-----	18,120	50,734	41,687	52,769
Total-----	245,988	319,432	256,073	266,974
Pipes and tubes:				
Oil country tubular goods-----	594,463	1,032,296	872,293	352,946
Line pipe-----	526,047	507,914	437,289	469,739
Mechanical pipe-----	284,807	382,270	331,927	242,147
Structural pipe-----	428,758	278,870	238,208	277,603
Pressure tubing-----	27,122	52,100	43,533	40,564
Other (including standard)-----	887,446	996,487	835,469	501,693
Total-----	2,748,644	3,249,937	2,758,719	1,884,693

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. import 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-October	
					1988	1989
Quantity (short tons)						
Stainless and alloy tool steel:						
Stainless:						
Semifinished:						
Ingots-----	1,106	3,877	3,834	117		
Blooms and billets-----	48,955	40,772	35,279	35,574		
Slabs and sheet bars-----	6,664	17,758	13,518	17,456		
Total-----	56,725	62,407	52,631	53,147		
Plate-----	11,118	15,847	12,640	13,155		
Sheet and strip:						
Sheet:						
Hot rolled-----	5,179	7,331	5,875	6,631		
Cold rolled-----	114,806	103,577	84,317	93,054		
Strip-----	9,309	7,676	6,235	17,735		
Total-----	129,295	118,584	96,428	117,421		
Bars and shapes-----	37,991	40,724	33,802	27,618		
Wire rod-----	18,311	19,210	15,614	17,625		
Wire-----	19,084	20,653	16,034	18,581		
Pipe and tube-----	26,448	36,752	30,876	32,038		
Alloy tool steel (all forms):						
Semifinished 2/-----	6,880	4,408	3,871	926		
Bars-----	19,792	28,867	24,970	1,411		
Other-----	13,927	10,820	8,843	76,855		
Total-----	40,599	44,095	37,684	79,192		

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-October	
			1988	1989
Share of product group totals (percent)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	4.66	3.71	4.11	1.31
Blooms and billets-----	19.09	20.91	20.45	22.84
Slabs and sheet bars-----	76.25	75.38	75.44	75.85
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	93.27	94.28	94.29	92.51
Alloy-----	6.73	5.72	5.71	7.49
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	27.42	30.61	29.94	28.64
Strip-----	0.56	0.69	0.66	1.80
Cold rolled:				
Black plate-----	2.06	2.02	2.02	2.36
Electrical-----	0.84	0.90	0.88	1.37
Other sheet-----	27.84	27.99	27.61	27.11
Other strip-----	1.75	1.76	1.82	1.85
Galvanized-----	29.77	27.12	28.19	25.65
Tin plate-----	4.29	4.10	4.10	5.54
Tin free-----	1.31	1.36	1.28	1.85
Other coated-----	4.18	3.45	3.50	3.84
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	34.58	35.04	34.46	36.39
Alloy-----	12.55	13.73	14.17	14.26
Cold rolled:				
Carbon-----	11.89	11.85	11.88	11.05
Alloy-----	3.19	3.83	3.70	4.22
Reinforcing-----	27.45	26.25	26.07	24.28
Light structural shapes-----	10.34	9.30	9.73	9.80
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-October	
			1988	1989
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	50.90	52.83	53.06	45.19
Alloy-----	4.08	4.62	4.51	4.01
Wire:				
Carbon-----	19.16	18.96	19.15	18.45
Alloy-----	1.21	1.29	1.24	1.69
Wire products:				
Nails-----	16.73	14.21	14.35	15.99
Barbed wire-----	0.63	0.61	0.63	0.54
Wire fencing-----	0.50	0.47	0.45	2.21
Bale ties-----	0.07	0.07	0.07	0.04
Wire strand-----	3.75	3.44	3.24	6.87
Wire rope-----	2.49	3.02	2.82	5.02
Milliners wire-----	0.47	0.48	0.48	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	87.51	89.37	89.02	90.60
Fabricated-----	12.49	10.63	10.98	9.40
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	86.80	81.40	80.54	73.18
Joint bars and tie plates-----	5.68	2.66	3.10	4.98
Track spikes-----	0.15	0.06	0.08	2.07
Wheels and axles-----	7.37	15.88	16.28	19.77
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	21.63	31.76	31.62	18.73
Line pipe-----	19.14	15.63	15.85	24.92
Mechanical pipe-----	10.36	11.76	12.03	12.85
Structural pipe-----	15.60	8.58	8.63	14.73
Pressure tubing-----	0.99	1.60	1.58	2.15
Other (including standard)-----	32.29	30.66	30.28	26.62
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-October	
			1988	1989
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	1.95	6.21	7.28	0.22
Blooms and billets-----	86.30	65.33	67.03	66.94
Slabs and sheet bars-----	11.75	28.45	25.69	32.84
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	6.09	5.65
Cold rolled-----	88.79	87.34	87.44	79.25
Strip-----	7.20	6.47	6.47	15.10
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	1.17
Bars-----	48.75	65.47	66.26	1.78
Other-----	34.30	24.54	23.47	97.05
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-October	
			1988	1989
Atlantic Coast	4,673,187	4,743,215	4,124,116	3,055,282
Great Lakes-Canadian border	6,594,724	6,342,613	5,105,147	4,502,384
Gulf Coast-Mexican border	4,930,247	5,938,464	5,163,484	3,891,785
Off-shore	374,262	403,506	329,279	337,229
Pacific Coast	4,366,056	4,441,267	3,726,485	3,391,320
Total	20,938,475	21,869,065	18,448,510	15,178,000

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-October	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	384,562	471,964	441,553	272,955
Plate-----	258,880	331,537	296,525	188,050
Sheet and strip-----	1,900,352	1,771,637	1,541,698	1,132,877
Bars and certain shapes-----	222,055	220,708	186,945	118,068
Wire rod-----	310,731	297,606	260,335	159,151
Wire-----	119,558	108,857	92,328	75,469
Wire products-----	266,335	220,011	183,396	214,433
Structural shapes and units--	581,450	602,240	521,972	430,403
Rails and related products--	25,273	36,885	32,372	24,068
Pipe and tube-----	462,405	523,784	439,349	272,209
Total-----	4,531,600	4,585,229	3,996,472	2,887,683
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	15,595	24,249	19,599	12,395
Plate-----	4,167	6,134	4,163	6,360
Sheet and strip-----	42,918	45,874	35,707	40,231
Bars and certain shapes-----	19,945	22,371	18,881	15,383
Wire rod-----	13,117	13,526	10,990	13,254
Wire-----	10,357	10,593	8,077	10,423
Pipe and tube-----	10,147	12,391	10,929	12,595
Tool steel (all forms)-----	25,340	22,848	19,297	56,958
Total-----	141,586	157,986	127,643	167,599
Grand Total-----	4,673,187	4,743,215	4,124,116	3,055,282

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 specific periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-October	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	498,851	414,978	336,346	335,705
Plate-----	663,496	723,681	584,815	417,653
Sheet and strip-----	2,630,195	2,396,464	1,845,093	1,677,632
Bars and certain shapes-----	561,285	625,771	520,978	422,090
Wire rod-----	565,070	545,070	450,878	432,974
Wire-----	251,126	253,271	216,742	197,994
Wire products-----	95,457	83,750	72,412	92,003
Structural shapes and units-----	566,003	522,423	415,932	305,155
Rails and related products-----	107,729	179,981	147,217	140,697
Pipe and tube-----	564,259	488,579	423,831	383,646
Total-----	6,503,470	6,233,970	5,014,244	4,405,548
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	27,149	34,966	30,089	32,666
Plate-----	1,971	3,246	3,095	1,777
Sheet and strip-----	34,156	33,923	26,848	31,720
Bars and certain shapes-----	4,170	4,098	3,228	1,801
Wire rod-----	1,047	661	528	702
Wire-----	4,794	6,053	4,936	4,948
Pipe and tube-----	6,134	7,833	6,873	6,198
Tool steel (all forms)-----	11,832	17,864	15,305	17,024
Total-----	91,254	108,644	90,903	96,836
Grand Total-----	6,594,724	6,342,613	5,105,147	4,502,384

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 specific periods, 1988 and 1989

(Short tons)

Item	1987	1988	January-October	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	866,421	1,061,770	1,007,526	636,846
Plate-----	419,658	567,614	500,063	379,652
Sheet and strip-----	1,515,043	1,558,244	1,317,239	1,142,440
Bars and certain shapes-----	131,573	137,056	113,120	113,445
Wire rod-----	257,709	349,946	305,600	203,044
Wire-----	76,094	64,524	54,285	52,407
Wire products-----	107,410	105,823	88,644	121,968
Structural shapes and units-----	473,758	493,074	424,549	296,633
Rails and related products-----	61,358	64,016	46,884	66,945
Pipe and tube-----	959,115	1,493,874	1,269,462	826,181
Total-----	4,868,139	5,895,942	5,127,372	3,839,562
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	13,974	3,131	2,883	8,077
Plate-----	2,714	3,233	2,659	3,238
Sheet and strip-----	29,042	16,038	14,101	22,387
Bars and certain shapes-----	5,951	6,668	5,463	4,519
Wire rod-----	1,117	1,220	1,009	1,468
Wire-----	1,350	606	501	939
Pipe and tube-----	6,665	10,896	8,795	9,555
Tool steel (all forms)-----	1,295	730	702	2,040
Total-----	62,108	42,523	36,112	52,222
Grand Total-----	4,930,247	5,938,464	5,163,484	3,891,785

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-October	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	0	3/	3/	0
Plate-----	6,693	13,906	9,560	4,455
Sheet and strip-----	90,238	72,445	53,727	57,089
Bars and certain shapes-----	164,360	157,820	140,699	168,362
Wire rod-----	11,940	16,953	16,678	5,174
Wire-----	11,147	14,739	12,347	9,755
Wire products-----	7,285	10,190	8,707	5,096
Structural shapes and units-----	22,499	21,784	18,010	27,282
Rails and related products-----	88	88	88	309
Pipe and tube-----	58,545	93,829	68,178	58,460
Total-----	373,131	481,758	327,994	335,984
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	0	0	0	0
Plate-----	0	3/	3/	1
Sheet and strip-----	1	0	0	151
Bars and certain shapes-----	0	15	15	3/
Wire rod-----	0	0	0	0
Wire-----	1,074	1,690	1,227	779
Pipe and tube-----	36	42	42	18
Tool steel (all forms)-----	0	0	0	295
Total-----	1,111	1,748	1,285	1,245
Grand Total-----	374,242	483,506	329,279	337,229

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-October	
			1988	1989
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	482,436	833,859	686,830	637,445
Plate-----	206,851	220,352	192,043	176,995
Sheet and strip-----	1,610,768	1,386,590	1,160,413	1,218,708
Bars and certain shapes-----	201,894	219,758	181,388	108,275
Wire rod-----	303,270	265,048	217,972	183,449
Wire-----	78,972	78,336	67,516	67,093
Wire products-----	172,890	152,677	125,871	179,707
Structural shapes and units-----	509,959	548,943	467,277	399,620
Rails and related products-----	51,183	38,461	29,512	34,956
Pipe and tube-----	704,321	649,871	557,899	344,196
Total-----	4,322,545	4,393,893	3,686,720	3,350,446
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	7	61	59	9
Plate-----	2,266	3,233	2,722	1,778
Sheet and strip-----	23,178	22,749	19,772	22,931
Bars and certain shapes-----	7,925	7,573	6,215	5,915
Wire rod-----	3,030	3,803	3,087	2,202
Wire-----	1,508	1,711	1,293	1,492
Pipe and tube-----	3,465	5,590	4,237	3,672
Tool steel (all forms)-----	2,132	2,653	2,380	2,876
Total-----	43,511	47,373	39,765	40,874
Grand Total-----	4,366,056	4,441,267	3,726,485	3,391,320

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

Request Letter From the Honorable Dan Rostenkowski, Chairman
of the Committee on Ways and Means,
U.S. House of Representatives

UNITED STATES INTERNATIONAL TRADE COMMISSION
Washington, DC 20436

(332-226)

Monthly Reports on the Status of the Steel Industry

AGENCY: United States International Trade Commission

ACTION: Continuation of investigation and monthly reports

FOR FURTHER INFORMATION CONTACT: Mr. Robert Mascola (202-252-1428), Minerals and Metals Division, U.S. International Trade Commission, Washington, DC 20436

BACKGROUND: As requested in a letter received on December 6, 1989, from the Chairman, Committee on Ways and Means, U.S. House of Representatives, the Commission will continue investigation No. 332-226, and will furnish to the Committee monthly reports on the status of the steel industry through March 31, 1992. This coincides with the President's program of transitional voluntary restraint agreements (VRAs).

As requested by the Committee, the reports will continue to follow the format of, and contain the same type of information as, the reports which the Commission has heretofore provided. The reports will provide historic and current year-to-date data for the industry as a whole on items such as production, employment, shipments, trade, and financial performance.


With respect to trade, information on imports of major carbon and specialty steel products (such as plate and wire) will be provided on a country-by-country basis or regional basis for each of the countries or regions subject to VRAs, and for other major suppliers. The data will show how imports of semifinished steel and other steel products relate to overall VRA limits.

In addition, information on market penetration in major products will be provided, as will information which will track imports into five major U.S. customs regions. Finally, the report will provide data on the unit values of imported steel.

Notice of institution of the investigation and of the initial series of reports was published in the Federal Register on April 23, 1986 (51 F.R. 15390).

Hearing impaired individuals are advised that information on this matter can be obtained by contacting our TDD terminal on (202) 252-1810.

By order of the Commission.


Kenneth R. Mason
Secretary

Issued: December 29, 1989

B-1

Appendix B

Notice of Continuation of Investigation No. 332-226 in the
Federal Register

ONE HUNDRED FIRST CONGRESS

DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

- GIBBONS, FLORIDA
- KLE, TEXAS
- IS B. RANGEL, NEW YORK
- Y PETE STARK, CALIFORNIA
- ACOBS, JR., INDIANA
- D FORD, TENNESSEE
- KINS, GEORGIA
- S J. DOWNEY, NEW YORK
- J. GUARINI, NEW JERSEY
- RUSSO, ILLINOIS
- PEASE, OHIO
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- ANTHONY, JR., ARKANSAS
- G. FLIPPO, ALABAMA
- L. DORGAN, NORTH DAKOTA
- IA B. KENNELLY, CONNECTICUT
- I. DONNELLY, MASSACHUSETTS
- W J. COYNE, PENNSYLVANIA
- L.A. ANDREWS, TEXAS
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- ODY, WISCONSIN
- MIN L. CARDIN, MARYLAND
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- GUY VANDER JAGT, MICHIGAN
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- BILL FRENZEL, MINNESOTA
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- DON SUNDQUIST, TENNESSEE
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ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILLIP D. MOSELEY, MINORITY CHIEF OF STAFF

COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES
WASHINGTON, DC 20515

OFFICE OF THE CHAIRMAN

REC 6

11:07

November 27, 1989

SOCKET NUMBER 1541 Office of the Secretary Int'l Trade Commission

The Honorable Anne Brunsdale
Chairman
U.S. International Trade Commission
500 E Street, S.W.
Washington, D.C. 20436

Dear Madam Chairman:

The Committee on Ways and Means hereby requests the United States International Trade Commission to continue providing monthly monitoring reports on the status of the steel industry through the period ending March 31, 1992. These reports should generally follow the format of, and contain the same type of information as, the reports which the Commission has been providing under investigation no. 332-226. As you know, the purpose of these reports has been to provide the Committee with factual information for use in overseeing the implementation of the steel voluntary restraint (VRA) program. The original VRA program, and therefore our request for monthly reports, was for the period ending September 30, 1989.

In light of the fact that President Bush has authorized the negotiation of transitional VRA's for an additional two-and-one-half years, and the Congress enacted legislation to provide for the enforcement of VRA's until March 31, 1992, the Committee on Ways and Means would like to continue receiving the monthly steel reports for the duration of the transitional VRA's.

Thank you for your cooperation in this matter.

Sincerely yours,

Dan Rostenkowski
Dan Rostenkowski
Chairman

SECRETARY

DR/jn

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Appendix C

USTR 12 December 1989 Press Release on Results of Negotiations

OFFICE OF THE UNITED STATES
TRADE REPRESENTATIVE
EXECUTIVE OFFICE OF THE PRESIDENT
WASHINGTON
20506

FOR IMMEDIATE RELEASE
December 12, 1989

89-69
Contact: Torie Clarke
Janet Roell
(202) 395-3230

AMBASSADOR HILLS ANNOUNCES RESULTS OF
STEEL NEGOTIATIONS

The U.S. Trade Representative Carla A. Hills announced today the results of negotiations under the President's Steel Trade Liberalization Program announced July 25, 1989. This Program has resulted in the successful negotiation of bilateral agreements with all major steel trading countries to open their markets and eliminate the major government subsidies that distort competition. The United States has also entered into Voluntary Restraint Arrangements (VRAs) with 16 countries and the European Community, extending for a transitional period of two and one-half years an import restraint program begun in 1984. These VRAs will terminate, pursuant to the President's program, on March 31, 1992.

"The bilateral agreements restricting trade distorting practices are the cornerstone of the President's program to seek a consensus to address the causes rather than the symptoms affecting world trade in steel," Hills said. "These agreements include commitments by countries to prohibit subsidies for steel

production as well as to keep markets open for steel. They also incorporate a binding arbitration mechanism that will provide quick and effective remedies if countries violate those commitments."

Bilateral agreements (called "Bilateral Consensus Agreements") have been concluded with the European Community, Japan, South Korea, Brazil, Mexico, Australia, and Trinidad and Tobago. These countries account for more than 90 percent of steel imports from countries included in the VRA Program. Negotiations are continuing on bilateral consensus agreements with several additional countries, including: Austria, Finland, and Yugoslavia.

The bilateral consensus agreements include prohibitions against a broad range of government supports for the steel industry, including export and domestic subsidies. In addition, countries have committed to open their markets through the elimination of non-tariff measures, including the phase-out of all quota programs, and, in some cases, further tariff reductions. Moreover, they have agreed to work in the on-going Uruguay Round of Multilateral Trade Negotiations toward the establishment of agreed rules of fair play prohibiting steel subsidies, as well as further reduction and elimination of tariffs.

"The United States now will work aggressively to incorporate into the Uruguay Round the strong rules and prohibitions contained in the bilateral consensus agreements," Hills said. "With the cooperation that our trading partners have already shown, we believe that these agreements will be the building blocks for progress in the Round on eliminating trade distorting subsidies and opening markets. Accordingly, these agreements enhance the prospects for completing these aspects of the Uruguay Round on schedule by December 1990."

In addition, Ambassador Hills announced that negotiations are completed with the European Community and the other 16 countries that have Voluntary Restraint Arrangements. Negotiations for VRAs have been completed with Australia, Austria, Brazil, Czechoslovakia, East Germany, the European Community, Finland, Hungary, Japan, South Korea, Mexico, the Peoples Republic of China, Poland, Romania, Trinidad and Tobago, Venezuela, and Yugoslavia.

"In renegotiating voluntary restraint arrangements, we and other countries have recognized the need to provide a transition to a free market for both foreign and domestic producers, while we implement an international consensus to eliminate trade distorting practices. Furthermore, the renewed VRAs have been successful in balancing both the needs of steel producers and

consumers for adequate supplies of steel mill products," Ambassador Hills said.

President Bush announced his program on July 25, 1989. At that time, he directed the U.S. Trade Representative to negotiate VRAs at an overall restraint level of 18.4 percent. In order to provide incentives for countries to eliminate trade distorting practices and in order to respond to concerns of steel consumers for adequate supplies of raw materials, the President authorized up to an additional one percent import penetration annually that would be available to countries that enter into bilateral consensus agreements.

As a result of the negotiations, the restraint levels for steel mill products will increase to a 19.10 percent share of domestic consumption in the first year of the new VRA program. This includes the incentives awarded to countries that reached bilateral consensus agreements. Additional increases in restraint levels have been authorized for subsequent years for countries that have entered into such bilateral agreements. Furthermore, renegotiation of VRAs resulted in some redistribution of restraint levels among countries to ensure that those ceilings are better utilized. In addition, the renegotiated VRAs will permit greater quantities of semifinished steel and specialty steel to be imported. The short supply

mechanism also has been improved to provide determinations within 30 days, and in some cases 15 days, of the filing of short supply petitions.

The extension of VRAs for two and one-half years should provide U.S. steel producers sufficient time for the industry to complete their modernization. In renegotiating the VRAs, USTR paid particular attention to sensitive sectors, such as oil country tubular goods, where market conditions have deteriorated.

The "Steel Trade Liberalization Program Implementation Act," H.R. 3275, passed the full House of Representatives October 3, 1989 and similar legislation was passed by the Senate on November 22, 1989. The President will sign the legislation into law this week.

"I greatly appreciate the bipartisan support that the Senate and the House of Representatives have shown for the Program," Hills stated. "This law demonstrates the commitment of both the Administration and Congress to end trade distorting practices in steel and to return to a free, open and truly competitive global market for steel."

STEEL TRADE LIBERALIZATION PROGRAM**Fact Sheet**

United States Trade Representative Carla A. Hills announced today the results of negotiations over the past few months under the President's Steel Trade Liberalization Program, established on July 25, 1989. Negotiations have been successful in achieving:

- o Bilateral consensus agreements with the major market-oriented countries to remove trade distorting practices; and,
- o An extension of Voluntary Restraint Arrangements (VRAs) with all countries with previous VRAs, except South Africa.

Bilateral Consensus Agreements

Bilateral consensus agreements were concluded with most of the major steel trading countries -- the European Economic Community, Japan, South Korea, Brazil, and Mexico -- as well as with Australia, and Trinidad and Tobago. The bilateral agreements concluded thus far account for over 90 percent of the steel imports from VRA countries. Negotiations also are continuing with other market oriented countries on bilateral consensus agreements.

Bilateral consensus agreements are the first step in the President's program to negotiate an international consensus to eliminate trade distorting practices in the steel sector. With the conclusion of these bilateral consensus agreements, the United States will focus its efforts on incorporating the obligations and disciplines in the GATT through the Uruguay Round of Multilateral Trade Negotiations. Those negotiations are scheduled to be completed by December 1990.

Although each bilateral agreement varies, they incorporate the following general obligations and disciplines:

- o A prohibition against future subsidies and other forms of government supports specifically provided to the steel industry.
- o A prohibition against the establishment or reinstatement of any non-tariff measure.
- o Commitments to eliminate subsidies and to reduce and eliminate tariffs within the Uruguay Round.

- o A dispute settlement provision involving binding arbitration when a violation of the agreement occurs. Remedies include increases or decreases in restraint levels and additional duties.

Details of individual agreements will be available once negotiations are concluded with remaining countries.

Renegotiation of Voluntary Restraint Arrangements (VRAs)

Negotiations on the extension of VRAs have been completed with Australia, Austria, Brazil, Czechoslovakia, East Germany, the European Community, Finland, Hungary, Japan, South Korea, Mexico, the Peoples Republic of China, Poland, Romania, Trinidad and Tobago, Venezuela, and Yugoslavia. All Voluntary Restraint Arrangements terminate on March 31, 1992.

The President established an overall restraint level ceiling for VRA countries of 18.4 percent import penetration plus an additional one percent bonus as an incentive for the bilateral consensus agreements. The overall negotiated restraint level for all VRA countries is 19.1 percent for the first year and 20.1 percent for 1991, which includes allocation of some of the incentive to those countries that entered into bilateral consensus agreements. The remainder of the incentive will be available for other countries that negotiate bilateral consensus agreements and for supporting U.S. efforts on steel in the Uruguay Round. Individual restraint levels are listed in the attached table. Additional data will be available once final agreements with all countries have been formally executed.

In renegotiating voluntary restraint arrangements, the concerns of steel consumers were taken into account. In addition to increases in restraint levels resulting from countries accepting bilateral consensus agreements, the negotiations reallocated restraint levels from non-users to users. For example, Japan's overall restraint level declined, reflecting low shipments in recent years, and that of the EC remained roughly the same. Conversely, restraint levels were increased for Mexico and South Korea which more fully utilized their restraint levels. Furthermore, overall restraint levels were increased for certain products of concern to steel consumers, such as semi-finished steel and specialty steel.

The needs of producers were also taken into account. The VRAs will provide two and one-half years for the U.S. domestic steel industry to continue its modernization program. In addition, overall restraint levels for oil country tubular goods were decreased in recognition of the adverse market conditions for that product.

Appendix D

**Definitions of Certain Terms, and Descriptions 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 meets 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 with a thickness equal to or exceeding 4.75 mm. Plates are included in AISI product group No. 6

(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 less than 4.75 mm in thickness. Sheet has a width equal to or exceeding 600 mm; strip width is less than 600 mm (but at least 10 times the thickness). Sheets and strip are included in AISI product group Nos. 28, 29, 29A, 30, 31, 32, 33A, 33B, 34, 325, 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, 7217.21.3045, 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 cm² 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, 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, 7312.10.9030, 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, 7227.10.000, 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 E

December VRA Signatories' Ceilings Tables Based on Apparent
Consumption Forecasts of DRI (as available)

DEC 28 1988

EUROPEAN COMMUNITIES
 DECEMBER 1989 FORECAST OF INITIAL PERIOD U.S. APPARENT CONSUMPTION OF
 ARRANGEMENT PRODUCTS SUBJECT TO EXPORT LICENSING
 REFLECTS INITIAL PERIOD OF FIFTEEN MONTHS*
 (METRIC TONS)

CATEGORIES	APPARENT CONSUMPTION FORECAST FOR INITIAL PERIOD (1,000s)**		ARRANGEMENT I.P.	UNADJUSTED INITIAL PERIOD CEILING	FLEXIBILITY ADJUSTMENTS	ACTUAL TO FORECASTED APPARENT CONSUMPTION ADJUSTMENT	ADJUSTED INITIAL PERIOD EXPORT CEILING
SEMI-FINISHED PRODUCTS	106,405	0.76%		808,674	+++	+++	808,674
SLAB	NA	***		743,980	+++	NA	743,980
PLATE	6,218	7.13%		443,361	+++	+++	443,361
HOT ROLLED SHEET AND STRIP	18,014	7.29%		1,313,221	+++	+++	1,313,221
COLD ROLLED SHEET	14,999	5.94%		890,941	+++	+++	890,941
BLACK PLATE	458	12.84%		58,839	+++	+++	58,839
COLD ROLLED STRIP	708	5.34%		37,821	+++	+++	37,821
ELECTRICAL SHEET AND STRIP	571	4.98%		28,423	+++	+++	28,423
STAINLESS PLATE	143	5.89%		8,408	+++	+++	8,408
STAINLESS SHEET AND STRIP	1,243	5.94%		73,805	+++	+++	73,805
TIN PLATE	3,282	2.96%		97,155	+++	+++	97,155
TIN FREE STEEL	1,054	4.22%		44,458	+++	+++	44,458
OTHER COATED FLAT ROLLED PRODUCTS	14,673	4.51%		661,741	+++	+++	661,741
ELECTROGALVANIZED	NA	***		165,435	+++	NA	165,435
REBAR	5,843	0.09%		5,258	+++	+++	5,258
HOT FINISHED BAR	7,378	3.09%		227,988	+++	+++	227,988
COLD FINISHED BAR	1,601	6.63%		106,146	+++	+++	106,146
STAINLESS BAR	164	7.40%		12,099	+++	+++	12,099
CARBON WIRE ROD	5,675	5.70%		323,489	+++	+++	323,489
STAINLESS WIRE ROD	74	13.16%		9,706	+++	+++	9,706
ALLOY WIRE ROD	205	19.68%		40,393	+++	+++	40,393
BAR SHAPES UNDER 80mm	1,459	2.48%		36,177	+++	+++	36,177
STRUCTURALS	7,044	14.15%		996,720	+++	+++	996,720
SHEET PILING	412	23.70%		97,536	+++	+++	97,536
FABRICATED STRUCTURALS	NA	****		20,683	+++	NA	20,683
STAINLESS WIRE	49	15.34%		7,517	+++	+++	7,517
WIRE STRAND	NA	****		62,250	+++	NA	62,250
WIRE ROPE	NA	****		12,250	+++	NA	12,250
CARBON/ALLOY WIRE	NA	****		228,250	+++	NA	228,250
WIRE PRODUCTS	NA	****		31,875	+++	NA	31,875
RAILS	705	9.26%		65,237	+++	+++	65,237
RAIL PRODUCTS	NA	****		4,875	+++	NA	4,875
TOTAL PIPE AND TUBE	7,445	8.82%		656,627	+++	+++	656,627
OCTG	1,570	9.00%		141,255	+++	+++	141,255
ALLOY TOOL STEEL	94	11.02%		10,359	+++	+++	10,359
OTHER SPECIALTY STEEL	NA	****		15,125	+++	NA	15,125

* Initial Period Apparent Consumption is defined as follows:

$$((.25 * \text{Forecasted 1989 Apparent Consumption}) + (\text{Forecasted 1990 Apparent Consumption}))$$

** For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Subcategory ceiling is a fixed percentage of the larger category.

**** Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

DEC 28 1989

MEXICO
 DECEMBER 1989 FORECAST OF INITIAL PERIOD U.S. APPARENT CONSUMPTION OF
 ARRANGEMENT PRODUCTS SUBJECT TO EXPORT LICENSING
 REFLECTS INITIAL PERIOD OF FIFTEEN MONTHS*
 (METRIC TONS)

CATEGORIES	APPARENT CONSUMPTION FORECAST FOR INITIAL PERIOD (1,000s)**#	ARRANGEMENT I.P.	UNADJUSTED INITIAL PERIOD CEILING	FLEXIBILITY ADJUSTMENTS	ACTUAL TO FORECASTED APPARENT CONSUMPTION ADJUSTMENT	ADJUSTED INITIAL PERIOD EXPORT CEILING
SEMI-FINISHED STEEL	106,405	0.24%	255,371	+++	+++	255,371
C/A FLAT ROLLED	40,969	0.28%	114,712	+++	+++	114,712
C/A HR SHEET AND STRIP	18,014	0.23%	41,432	+++	+++	41,432
C/A CR SHEET AND STRIP	16,166	0.19%	30,714	+++	+++	30,714
PLATE	6,218	0.70%	43,528	+++	+++	43,528
STAINLESS FLAT ROLLED	1,385	0.88%	12,190	+++	+++	12,190
COATED FLAT ROLLED	19,009	0.67%	127,357	+++	+++	127,357
BAR AND ROD	20,940	0.99%	207,304	+++	+++	207,304
CARBON CF BAR	1,305	0.53%	6,917	+++	+++	6,917
CARBON WIRE ROD	5,675	2.17%	123,153	+++	+++	123,153
STAINLESS BAR AND ROD	237	0.03%	71	+++	+++	71
ANGLES, SHAPES, SECTIONS/RAIL AND RAIL PRODUCTS	9,903	0.72%	71,302	+++	+++	71,302
WIRE AND WIRE PRODUCTS	2,057	3.00%	61,695	+++	+++	61,695
WIRE ROPE	221	2.54%	5,601	+++	+++	5,601
WIRE STRAND	NA	***	2,000	+++	NA	2,000
PANELS AND MESH	2,008	0.86%	17,265	+++	+++	17,265
OTHER WIRE AND WIRE PRODUCTS AND FENCE	2,008	1.82%	36,537	+++	+++	36,537
PIPE AND TUBE	7,445	2.55%	189,841	+++	+++	189,841
OCTG	1,570	2.00%	31,390	+++	+++	31,390
LINE PIPE	1,899	3.64%	69,133	+++	+++	69,133
STANDARD PIPE	2,080	4.21%	87,579	+++	+++	87,579
TOOL STEEL	94	0.31%	291	+++	+++	291

* Initial Period Apparent Consumption is defined as follows:

$$((.25 * \text{Forecasted 1989 Apparent Consumption}) + (\text{Forecasted 1990 Apparent Consumption}))$$

** For the Semi-finished Products category, Total Basic Steel Mill Products is used.

*** Export ceiling is fixed tonnage.

For the Panels and Mesh and the Other Wire and Wire Products and Fence categories,
Other Wire and Wire Products is used.

+++ Not yet available

NA Not Applicable

DEC 28 1989

INITIAL PERIOD EXPORT CEILINGS OF SELECTED COUNTRIES
 QUANTITIES IN METRIC TONS

P O L A N D

PRODUCT CATEGORY -----	TONS ----
PLATE	37,500
STAINLESS BAR	0
STAINLESS ROD	0
WIRE ROD	12,500
STRUCTURALS	37,500
WIRE AND WIRE PRODUCTS	31,250
OCTG	0
OTHER PIPE & TUBE	12,500
ALL OTHER STEEL PRODUCTS	12,060
ALLOY TOOL STEEL	440
TOTAL	143,750

HUNGARY

PRODUCT CATEGORY -----	TONS ----
FLAT ROLLED PRODUCTS	41,250
STAINLESS BAR	250
STAINLESS ROD	250
OCTG	0
ALL OTHER STEEL PRODUCTS	8,125
ALLOY TOOL STEEL	125
TOTAL	50,000

JAN - 2 1990

A U S T R I A

DECEMBER 1989 FORECAST OF INITIAL PERIOD U.S. APPARENT CONSUMPTION OF
ARRANGEMENT PRODUCTS SUBJECT TO EXPORT LICENSING
REFLECTS INITIAL PERIOD OF FIFTEEN MONTHS
(METRIC TONS)

CATEGORIES	APPARENT	ARRANGEMENT	UNADJUSTED	FLEXIBILITY	ACTUAL TO	ADJUSTED
	CONSUMPTION		PERIOD		FORECASTED	INITIAL
	FORECAST FOR	I.P.	INITIAL	ADJUSTMENTS	APPARENT	PERIOD
	INITIAL		PERIOD		CONSUMPTION	EXPORT
	PERIOD		CEILING**		ADJUSTMENT	CEILING
	(1,000s)					
FLAT ROLLED PRODUCTS	61,362	0.30%	184,087	+++	+++	184,087
STAINLESS BAR	NA	***	312	+++	+++	312
STAINLESS ROD	NA	***	312	+++	+++	312
COILS	1,570	1.40%	21,973	+++	+++	21,973
OTHER PIPE AND TUBE	5,875	0.30%	17,626	+++	+++	17,626
OTHER STEEL PRODUCTS	37,266	0.11%	40,993	+++	+++	40,993
ALLOY TOOL STEEL	94	4.00%	3,760	+++	+++	3,760

* Initial Period Apparent Consumption is defined as follows:

((.25 * Forecasted 1989 Apparent Consumption) + (Forecasted 1990 Apparent Consumption))

** Minimum unadjusted ceiling for Alloy Tool Steel is 3,000 metric tons.

*** Export ceilings are fixed tonnages.

+++ Not yet available

