

MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY

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



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Monthly Review: Turkish Steel Industry Shows Significant Growth

Introduction

The steel industry in Turkey has shown substantial growth during the last five years in terms of capacity and production. The industry is capable of manufacturing a wide range of steel products for diverse-steel consuming industries. In 1989, Turkey ranked as the twenty-first largest producer of raw steel in the world.

Capacity and production

The Turkish steel industry comprises two state-owned integrated steel producers with an annual combined production capacity of 4.8 million metric tons, and a number of private mini-mills whose combined capacity has grown rapidly in recent years, to 6.4 million metric tons.¹ According to a representative of Metas (a Turkish mini-mill), flat steel products and specialty steels will be the fastest growing segments in the non-integrated sector of the industry during the next 10 years.² At present, flat products (including integrated mill production) and specialty steel account for approximately 13 percent and 3 percent, respectively, of total steel output in Turkey; other important product categories include bars, rods, and shapes (39 percent) and tubular products (9 percent).

Production of steel mill products³ in Turkey increased by 67.7 percent to an estimated 6.9 million metric tons during 1985-88, and remained at about that level in 1989 (figure 1); the lack of growth in 1989 largely reflects the effects of a steelworkers strike that occurred that year. With respect to raw steel production, Turkey was among the fastest growing of all major steel-producing areas during the 5-year period; increases in production (up 64.1 percent) rivaled that of Taiwan (up 62.7 percent) and Korea (up 61.6 percent). Growth has continued in 1990; during January-September raw steel production increased by 23.6 percent from the January-September 1989 level, significantly exceeding growth in any other major producing area.

The Export Promotion Center of Turkey (IGEME), a non-profit government organization, appears to have played an important role in increasing the production level of steel by placing greater emphasis on marketing steel products internationally.⁴ The IGEME acts as an intermediary between foreign importers and Turkish exporters by providing information on economic conditions, market prospects, and trade regulations.⁵

¹ The Export Promotion Center of Turkey.

² Metal Bulletin, November 6, 1989.

³ Excluding steel rolled from imported semifinished steel.

⁴ According to the Turkish Iron and Steel Producers Association, steel and related products (i.e., ferroalloys and scrap) have become Turkey's second major export product, accounting for nearly 12 percent of total exports in 1989, virtually all of which were steel products.

⁵ The Iron and Steel Industry of Turkey, published by the Export Promotion Center.

It appears the Turkish steel industry will continue to grow in the future, to meet rising demand. Studies by Metas suggest that by the year 2000, Turkey's annual per capita consumption may reach 350 kilograms of raw steel (compared to an annual per capita consumption of 122 kilograms in 1988). In this regard, the country's sixth 5-year development plan foresees the steel industry's annual raw steel capacity rising to as much as 21 million metric tons by the year 2000.⁶ Turkey's only integrated flat products producer, Erdemir, reportedly is expected to expand capacity from 2 million metric tons in 1988 to 3 million metric tons in 1991, with the possibility a further expansion of up to 6 million metric tons by 1995.⁷

Industry conditions

According to a recent analysis, electric furnace operators in Turkey, especially those in the private sector, face a number of problems with respect to their operations.⁸ Most of the country's scrap requirements must be imported at relatively high cost and the availability and price of natural gas for producing direct reduced iron (DRI), a scrap substitute, is reportedly unfavorable. According to this analysis, the pricing policies in Turkey tend to favor state-controlled producers; this, coupled with excess capacity in the long products category, has apparently led many private sector electric furnace producers to increase exports. Despite these problems, electric furnace operators have reportedly remained very competitive as their overall cost structure is lower than most European competitors; this apparently reflects relatively low steel labor costs (\$11.94 per hour in Turkey).⁹

The Turkish Iron and Steel Works (TDCI), the state steel group, is reportedly assessing the effects of the 137-day strike that ended when 24,000 steelworkers returned to work during the latter part of September 1989.¹⁰ The steelworkers returned to work after settling for an average wage increase of 240 percent; the steelworkers originally demanded wage increases of 500 percent. The disruption in the market caused by the strike reportedly had the effect of increasing prices by as much as 20 percent for certain steel products; exports declined and the use of imported steel was encouraged as the government lifted duties on a variety of steel products.¹¹

Trade

Turkey has become a net exporter of steel mill products, exporting approximately 50 percent of its total steel production. During 1985-88, exports of steel mill products increased by 47 percent to 4.1 million metric tons, before declining by 17 percent to 3.4 million metric tons in 1989 (figure A). The largest volume of steel mill products exported during the period were bars (38 percent of 1989 exports), semifinished products (32

⁶ Metal Bulletin, November 6, 1989.

⁷ World Steel Dynamics, Capacity Monitor #6, August 17, 1990.

⁸ The WEFA Group 1990, Conquering World Steel Markets, Volume II.

⁹ Ibid.

¹⁰ Metal Bulletin, September 25, 1989.

¹¹ Metal Bulletin, May 8, 1989.

percent), sheet and strip (13 percent), and pipe and tubes (9 percent). The leading exports markets in recent years have included Iran, Iraq, and Taiwan.

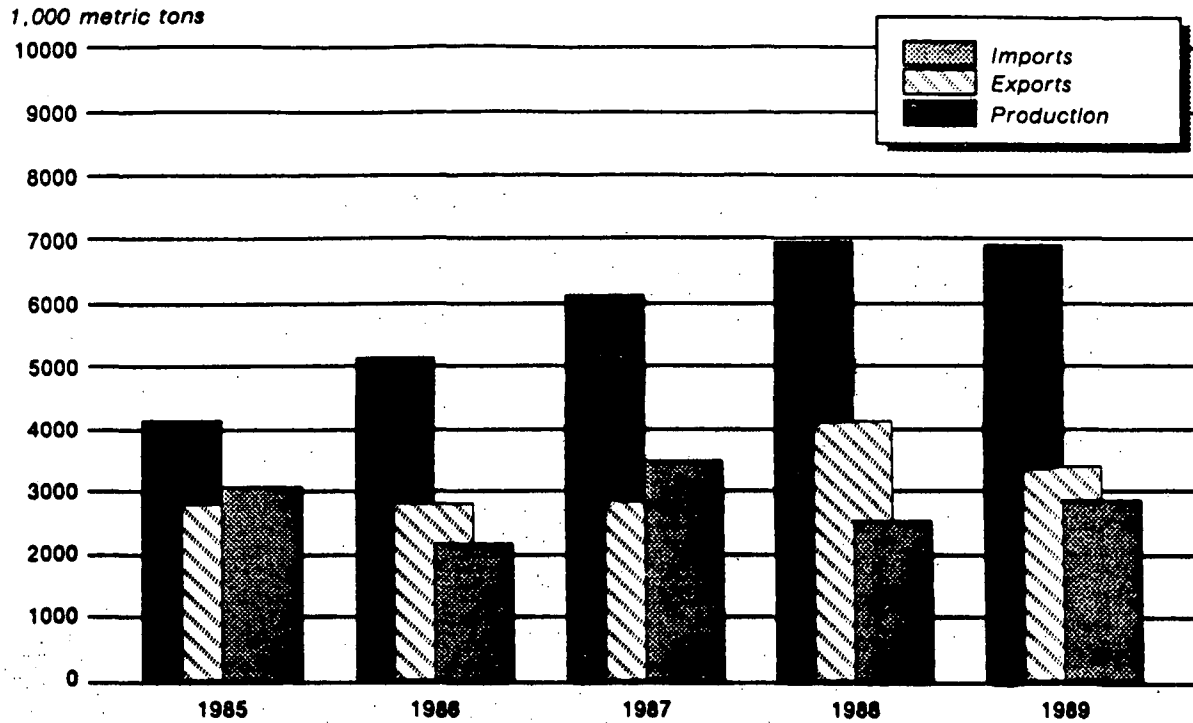
Recently, a major Turkish steel pipe producer obtained a contract to supply 56,000 metric tons of electric resistance welded pipe to the USSR.¹² Delivery of the pipes, whose diameters range from 169 millimeters to 426 millimeters, was scheduled for October 1990 and will be used to connect Soviet gas fields with Turkey. Completion of the pipe line could lower gas energy costs and thereby encourage the use of DRI in steelmaking as an alternative to relatively expensive imported scrap.

Turkey's imports of steel mill products peaked at 3.5 million metric tons in 1987 (a 13-percent increase from the level in 1985) and declined to 2.5 million metric tons in 1988. During 1989, imports increased by 13-percent to 2.9 million metric tons (figure A). The largest volume of steel imported in 1989 occurred in the product categories of carbon steel sheets (823,000 metric tons) and bars (618,000 metric tons), and alloyed steel (145,000 metric tons). The bulk of Turkey's imports were obtained from Brazil, Yugoslavia, EC countries, South Africa, and Italy.

James M. Brandon
252-1433

¹² Metal Bulletin, September 24, 1990.

Figure A
Turkish production, exports, and imports of steel mill products during 1985-89



Source: Production estimated by ITC staff based on data compiled by the Turkish Iron and Steel Producers Association; exports and imports compiled from data provided by HDTM/Undersecretariat of Treasury and Foreign Trade.

Monthly Review:
Selected Industry and Trade Topics

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U.S. STEEL INDUSTRY HIGHLIGHTS

Figure 1
U.S. average monthly and monthly steel shipments

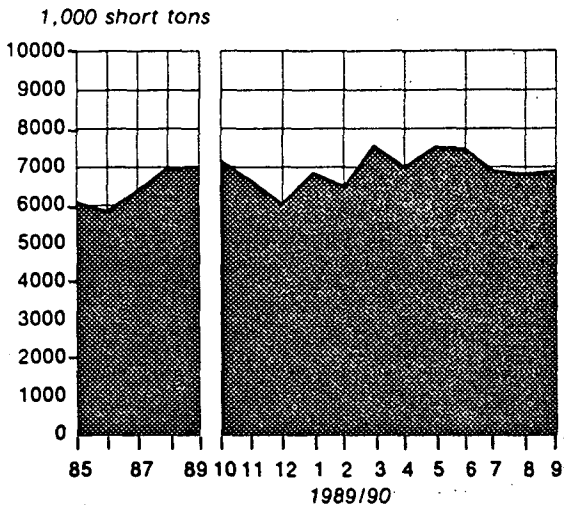


Figure 2
U.S. average monthly and monthly steel imports

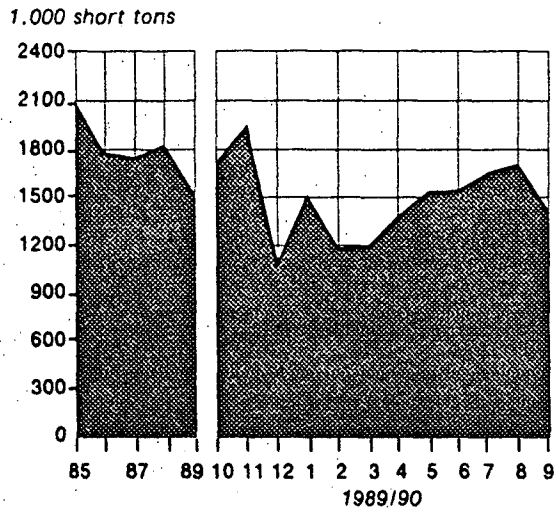


Figure 3
U.S. average monthly and monthly steel exports

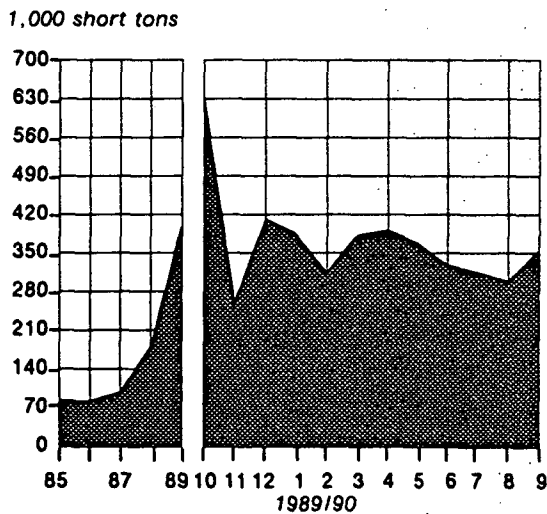
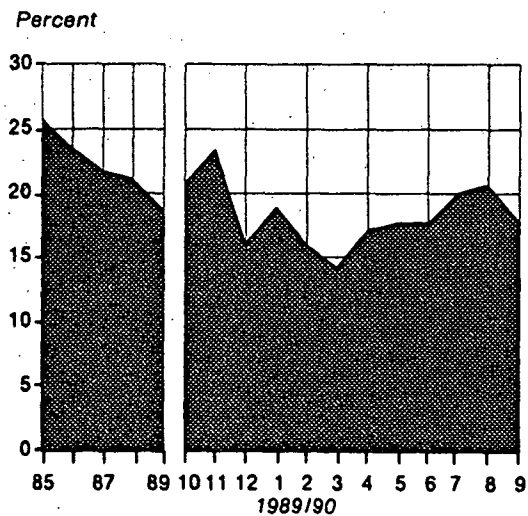


Figure 4
U.S. average monthly and monthly steel import penetration¹



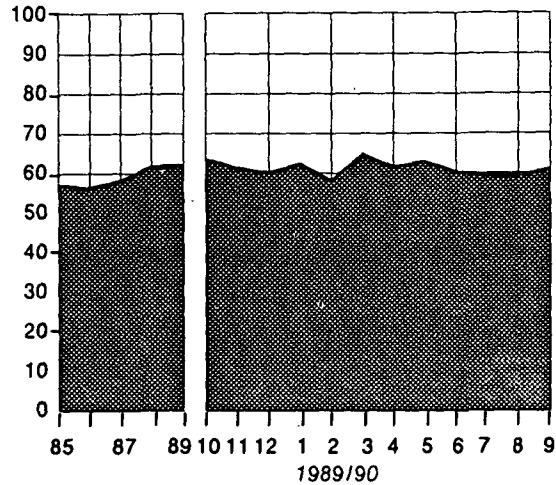
¹ Import penetration is defined as the percent of apparent consumption represented by imports.

INTERNATIONAL STEEL INDUSTRY HIGHLIGHTS

Figure 5

Raw steel: Monthly and average monthly production for principal steel-producing nations

1,000,000 metric tons

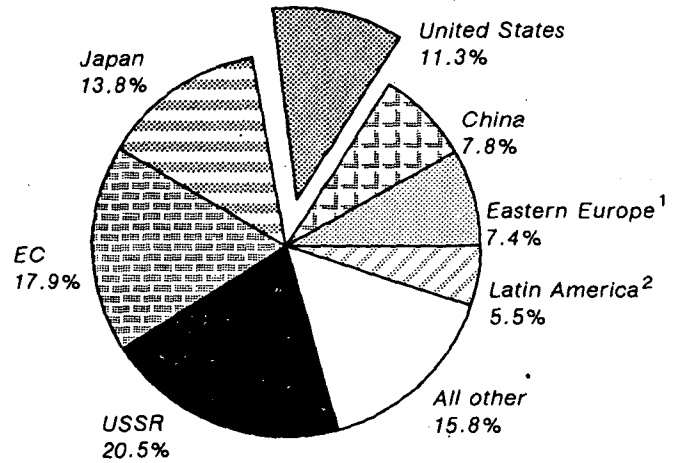


¹ Includes 41 steel-producing nations representing approximately 95 percent of world raw steel production.

Source: International Iron and Steel Institute.

Figure 6

Raw steel: Geographic distribution of world production, 1989



¹ Includes Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, and Romania.

² Includes Mexico, Central America, South America and the Caribbean (including Cuba).

Source: International Iron and Steel Institute.

Table 1

Steel Mill Products: Exports by country or region of origin, by specified 5-year periods, 1970-1989

Time period	U.S.	EC-12 ¹	Japan	Principal steel-producing developing countries ²	Other	World
	(1,000 metric tons)					
1970-1974	20,853	263,384	119,106	8,687	121,313	533,343
1975-1979	12,198	295,190	159,850	19,828	161,257	648,323
1980-1984	10,139	316,844	149,594	56,720	189,103	722,400
1985-1989	8,790	346,931	128,636	88,389	251,006	823,752
	(Percent of world exports)					
1970-1974	3.9	49.4	22.3	1.6	22.8	100.0
1975-1979	1.9	45.5	24.7	3.1	24.9	100.0
1980-1984	1.4	43.9	20.7	7.9	26.2	100.0
1985-1989	1.1	42.1	15.6	10.7	30.5	100.0
	(Percent of shipments ³)					
1970-1974	4.4	44.2	28.8	1.1	(⁴)	(⁴)
1975-1979	2.9	51.3	35.1	8.3	15.6	23.8
1980-1984	3.0	57.1	32.1	15.7	17.2	25.6
1985-1989	3.4	73.8	32.6	22.1	19.3	26.3

¹ Includes intra-EC trade.

² Includes Brazil, Peoples Republic of China, India, Republic of Korea, Mexico, and Taiwan.

³ Data on shipments were estimated by ITC staff and are based on figures of apparent consumption of finished steel as calculated by the International Iron and Steel Institute.

⁴ Not available.

Source: Compiled from statistics of the International Iron and Steel Institute, and the U.K. Iron and Steel Statistics Bureau.

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.

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, and Trinidad and Tobago. Although bilateral agreements have been reached with Austria, Finland and Yugoslavia, there has been no announcement of additional market share increases for those countries.

Operation of the VRAs

Under the VRAs, foreign governments agreed to limit their steel exports to the U.S. market over specified time periods. The foreign governments issue to their industries export certificates, which in turn must be presented to U.S. Customs officials as a condition of entry. The U.S. Department of Commerce, which administers the program, monitors compliance on the basis of these export certificates.⁷ Issues or problems regarding the program (including compliance) are discussed by contracting parties through periodic meetings between U.S. and foreign government officials.⁸

Some of the VRAs set fixed-tonnage limits, while others limit exports to a certain share of the U.S. market. With respect to market share agreements, the Department of Commerce uses forecasts of U.S. apparent consumption (published in February, May, August, October, and December of each year)⁹ to establish (and revise) quantitative export ceilings. Since final consumption can only be determined following the termination of a period, adjustments for over- or undershipping may be carried forward to the subsequent period.

⁷Although the import statistics in this report may serve as an indicator of the overall percent of the export ceilings that are met, they are not a substitute for the official statistics based on export certificates. Even as an indicator, however, the figures in this report tend to overstate the actual level of VRA exports. This is because product coverage varies among agreements, and imports of products covered by only some VRAs countries are considered VRA imports regardless of which VRA country is the country of origin; the degree of overstatement, however, is relatively small.

⁸In order to enforce compliance with the VRAs, the President may, among other things, direct Customs to deny entry to further shipments from countries surpassing their ceilings.

⁹Forecasts are provided to the U.S. Department of Commerce by DRI, a private sector consulting firm.

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 <u>2/</u> -----	0.26	0.39	0.49	0.59
Austria-----	0.24	0.25	0.25	0.25
Brazil <u>2/</u> -----	1.35	1.80	2.10	2.10
Czechoslovakia-----	0.04	0.04	0.04	0.04
EC <u>2/</u> -----	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 <u>2/</u> -----	6.19	5.00	5.30	5.30
South Korea <u>2/</u> -----	1.92	2.45	2.62	2.62
Mexico <u>2/</u> -----	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 <u>2/</u> ---	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. 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 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.
- 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 1989 semifinished unadjusted export ceilings 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 1989, AISI reported imports of 17.3 million tons, which compares to the 18.2 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.

In table 30, unit values are calculated using unrounded data. Import values are customs value, i.e., the data do not include insurance and freight charges from the country of origin to the United States.

Trade data include imports under sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedule and sections 806.30 and 807.00 of the Tariff Schedule of the United States. These 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.

As of the February 1990 report, the source for the data on employment levels in Table 1 was changed from the American Iron and Steel Institute (AISI) to the U.S. Department of Labor, Bureau of Labor Statistics (BLS). AISI employment figures cover reporting companies only; these companies represent a declining share of total raw steel production. The BLS data cover the entire steel industry, as defined by Standard Industrial Code 331, which includes the electrometallurgical products (or ferroalloy) industry. In the past, this industry, which is not generally defined as part of the steel industry, has represented less than three percent of total employment levels reporting under this SIC.

Beginning with the February 1990 report, data on tool steel imports were revised so as to exclude bearing steel products; the revisions affect data going back to January 1989. The revised data, which are consistent with industry practice and reports prior to 1989, treat bearing steel as an alloy steel and categorize it according to its end form--either plate, sheet and strip, or rod. Unlike data on imports and shipments, available data on tool steel exports include some bearing steel products. As a result, apparent consumption calculations (see table 5) are slightly understated in the case of

tool steel, and slightly overstated in the case of plate, sheet and strip, and rod. The ITC staff estimates, however, that the degree of understatement/overstatement is minor, as exports of bearing steel products are believed to be relatively low.

The continuity of certain trade data was affected by the implementation of the HTS due to changes in the metallurgical specifications of alloy steel and two important subsets of alloy steel: stainless steel and tool steel. In the case of alloy steel and tool steel, definitions have been broadened in some areas and narrowed in others, making it difficult to determine the net impact on trade figures. In the case of stainless steel, the definition has been broadened. Under the TSUS stainless steel was defined as any alloy steel which contained, by weight, less than 1 percent of carbon and over 11.5 percent of chromium; the HTS defines stainless steel as alloy steels containing, by weight, 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

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Table 1

Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales, 1985-89 and specified periods, 1989 and 1990

Item	1985	1986	1987	1988	1989	January-Sept.	
						1989	1990
Raw steel:							
Production (1,000 short tons)...	88,259	81,606	89,151	99,924	97,943	74,693	73,942
Capability utilization (percent).....	66.1	63.8	79.5	89.2	84.5	86.2	84.6
Continuously cast (percent).....	44.4	55.2	59.8	61.3	64.8	63.9	66.5
Employment:							
Total (thousands) ¹	302.6	273.5	268.4	278.5	277.7	279.6	² 271.3
Production workers (thousands) ¹	231.5	208.8	202.9	215.5	214.2	216.0	² 208.3
Hourly employment cost ³ (dollars).....	22.81	23.24	23.71	24.65	24.63	24.62	25.71
Steel:							
Shipments (1,000 short tons)....	73,043	70,263	76,654	83,840	84,100	63,689	64,164
Imports (1,000 short tons).....	24,885	21,289	20,938	21,869	18,219	13,748	13,119
Exports (1,000 short tons).....	992	980	1,176	2,152	4,778	3,157	3,132
Apparent consumption (1,000 short tons).....	96,936	90,572	96,416	103,558	97,541	74,281	74,151
Ratio of imports to consumption (percent).....	25.7	23.5	21.7	21.1	18.7	18.5	17.7
Steel operations:							
Net steel sales (million dollars).....	28,272	24,875	26,933	32,466	31,969	⁴ 23,785	⁴ 22,085
Net steel income ⁵ (million dollars).....	(1,834)	(4,150)	1,077	(567)	1,478	⁴ 1,946	⁴ 890
Ratio of income to net sales (percent).....	(6.5)	(16.7)	4	(1.7)	4.6	⁴ 8.2	⁴ 4.0

¹These figures represent employment in Standard Industrial Code (SIC) 331. (See Notes for explanation).

²January-August 1990.

³Total employment costs (including benefits) of employees receiving wages.

⁴Figures are based on reporting companies representing about 71 percent of total raw steel production and about 65 percent of total steel shipments.

⁵January-September data are for operating (not net) income.

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

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1985	1986	1987	1988	1989	January-September	
						1989	1990
All grades of steel¹							
Semifinished-----	1,374,524	1,485,249	1,593,216	1,927,658	1,850,245	1,403,379	1,413,983
Plate-----	4,327,347	3,564,806	4,047,919	7,327,887	7,293,115	5,360,337	6,066,525
Sheet and strip-----	40,850,298	40,493,141	43,288,266	44,707,915	45,376,975	34,372,574	32,943,280
Bars & certain shapes 1/-----	12,667,539	12,171,142	13,575,114	14,488,773	14,510,007	10,967,338	11,496,591
Wire rod-----	2,961,769	3,463,827	3,840,494	4,048,230	4,229,889	3,153,513	3,168,914
Wire-----	874,135	802,259	800,063	1,072,698	1,005,407	777,528	727,823
Wire products-----	262,268	278,068	304,761	3/	3/	3/	3/
Structural shapes & units-----	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	4,107,225	4,486,790
Rails & related products-----	931,313	640,197	514,647	615,303	544,771	471,197	357,062
Pipe and tube-----	4,095,825	2,836,458	3,569,647	4,443,251	4,010,591	3,052,614	3,502,844
Total-----	73,043,323	70,262,779	76,653,841	83,840,469	84,259,404	63,689,824	64,163,812
Carbon & certain alloy 2/ steel:							
Semifinished-----	1,327,766	1,435,662	1,516,152	1,851,197	1,753,249	1,341,163	1,331,283
Plate-----	4,185,883	3,448,947	3,888,838	7,145,009	7,123,691	5,231,300	5,907,935
Sheet and strip-----	40,018,167	39,693,739	42,347,623	43,663,695	44,419,414	33,627,818	32,213,015
Bars & certain shapes-----	12,478,002	11,996,343	13,391,238	14,284,744	14,304,189	10,815,253	11,347,880
Wire rod-----	2,931,897	3,427,428	3,792,740	3,990,472	4,193,118	3,124,892	3,143,351
Wire-----	851,841	777,604	773,329	1,043,112	980,707	758,148	710,823
Wire products-----	262,268	278,068	304,761	3/	3/	3/	3/
Structural shapes & units-----	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	4,107,225	4,486,790
Rails & related products-----	931,313	640,197	514,647	615,303	544,771	471,197	357,062
Pipe and tube-----	4,046,771	2,794,218	3,527,867	4,387,761	3,962,470	3,014,821	3,470,562
Total-----	71,732,213	69,019,838	75,176,909	82,190,047	82,720,013	62,515,936	62,968,701
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	46,758	49,587	77,064	76,461	96,996	62,216	82,700
Plate-----	141,464	115,859	159,081	182,878	169,424	129,037	158,590
Sheet and strip-----	832,131	799,402	940,643	1,044,220	957,561	744,756	730,265
Bars & certain shapes-----	129,267	119,024	125,441	139,752	138,618	103,303	105,046
Wire rod-----	29,872	36,399	47,754	57,758	36,771	28,621	25,563
Wire-----	22,294	24,655	26,734	29,586	24,700	19,380	17,000
Pipe and tube-----	49,054	42,240	41,780	55,490	48,121	37,793	32,282
Tool steel (all forms)-----	60,270	55,775	58,435	64,277	67,200	48,782	43,665
Total-----	1,311,110	1,242,941	1,476,932	1,650,422	1,539,391	1,173,888	1,195,111

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, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1985	1986	1987	1988	1989	January-September	
						1989	1990
All grades of steel:							
Semifinished-----	2,440,368	2,084,322	2,288,995	2,844,979	2,197,811	1,742,399	1,722,208
Plate-----	1,772,309	1,456,790	1,566,694	1,872,937	1,437,109	1,016,454	1,110,661
Sheet and strip-----	9,046,089	8,278,604	7,875,891	7,303,964	6,443,362	4,711,820	4,758,026
Bars & certain shapes 1/--	1,550,559	1,476,368	1,359,758	1,445,932	1,356,035	1,077,574	829,084
Wire rod-----	1,476,145	1,362,753	1,467,030	1,493,833	1,150,116	868,822	810,246
Wire-----	612,485	582,022	555,981	540,380	494,303	375,997	339,588
Wire products-----	674,960	636,591	649,377	572,451	703,602	524,565	528,534
Structural shapes & units--	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	1,336,707	809,726
Rails & related products--	382,046	275,710	245,988	319,432	322,985	236,720	242,780
Pipe and tube-----	4,489,287	2,956,303	2,775,091	3,286,690	2,472,802	1,857,015	1,968,081
Total-----	24,884,651	21,289,120	20,938,474	21,869,065	18,218,486	13,748,073	13,118,934
Carbon & certain alloy 2/ steel:							
Semifinished-----	2,430,078	2,066,700	2,232,270	2,782,572	2,135,690	1,692,954	1,671,339
Plate-----	1,760,812	1,440,375	1,555,577	1,857,090	1,419,396	1,003,046	1,094,743
Sheet and strip-----	8,910,469	8,127,033	7,746,596	7,185,380	6,302,844	4,611,137	4,646,049
Bars & certain shapes-----	1,475,447	1,393,731	1,281,168	1,361,113	1,264,305	1,011,630	759,713
Wire rod-----	1,456,078	1,344,256	1,448,720	1,474,623	1,128,417	852,050	792,582
Wire-----	590,317	564,481	536,897	519,727	472,984	359,763	326,369
Wire products-----	674,960	636,591	649,377	572,451	703,602	524,565	528,534
Structural shapes & units--	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	1,336,707	809,726
Rails & related products--	382,046	275,710	245,988	319,432	322,985	236,720	242,780
Pipe and tube-----	4,457,277	2,923,029	2,748,644	3,249,937	2,435,544	1,827,398	1,932,766
Total-----	24,577,887	20,951,563	20,598,906	21,510,792	17,826,128	13,455,970	12,804,601
Stainless & alloy tool steel:							
Semifinished-----	10,290	17,622	56,725	62,407	62,121	49,444	50,869
Plate-----	11,497	16,415	11,118	15,847	17,713	13,408	15,918
Sheet and strip-----	135,620	151,571	129,295	118,584	140,519	100,684	111,976
Bars & certain shapes-----	37,970	37,888	37,991	40,724	43,417	30,331	31,846
Wire rod-----	20,067	18,496	18,311	19,210	21,698	16,772	17,664
Wire-----	22,169	17,541	19,084	20,653	21,319	16,234	13,219
Pipe and tube-----	32,009	33,274	26,448	36,752	37,258	29,617	35,315
Tool steel (all forms)-----	37,142	44,749	40,599	44,095	48,313	35,613	37,525
Total-----	306,764	337,556	339,571	358,272	392,358	292,103	314,332

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, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1985	1986	1987	1988	1989	January-September	
						1989	1990
All grades of steel:							
Semifinished-----	89,708	58,885	73,543	61,430	390,812	271,610	428,402
Plate-----	82,988	69,565	96,538	119,393	630,689	451,611	290,721
Sheet and strip-----	375,396	507,420	556,991	1,374,056	2,521,649	1,552,616	1,268,204
Bars & certain shapes 1/--	99,096	81,224	121,869	141,461	258,640	200,760	291,333
Wire rod-----	4,740	5,876	8,217	10,161	36,093	24,356	52,883
Wire-----	19,146	26,760	26,669	36,668	31,344	22,392	41,033
Wire products-----	19,253	24,731	23,257	27,847	32,160	22,173	29,262
Structural shapes & units--	89,031	71,525	101,373	111,614	260,750	184,584	360,765
Rails & related products--	13,430	13,131	15,755	18,855	86,464	61,582	53,762
Pipe and tube-----	199,258	121,050	152,155	250,390	442,992	365,266	315,628
Total-----	992,046	980,167	1,176,367	2,151,875	4,691,593	3,156,950	3,131,993
Carbon & certain alloy 2/ steel:							
Semifinished-----	82,650	57,932	71,362	58,598	376,984	263,449	423,620
Plate-----	74,957	66,042	92,057	107,546	623,412	445,194	257,715
Sheet and strip-----	349,620	477,803	501,010	1,328,485	2,475,995	1,515,606	1,224,762
Bars & certain shapes-----	89,241	72,134	111,619	124,911	223,749	171,132	274,009
Wire rod-----	3,716	5,049	6,889	8,676	30,588	20,545	48,691
Wire-----	17,182	24,033	22,863	32,209	28,730	20,386	38,492
Wire products-----	19,253	24,731	23,257	27,847	32,160	22,173	29,262
Structural shapes & units--	89,031	71,525	101,373	111,614	260,750	184,584	360,765
Rails & related products--	13,430	13,131	15,755	18,855	86,464	61,582	53,762
Pipe and tube-----	193,309	118,010	143,405	244,192	434,925	359,147	304,892
Total-----	932,389	930,390	1,089,590	2,062,933	4,573,757	3,063,798	3,015,970
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished-----	7,058	953	2,181	2,833	13,829	8,161	4,782
Plate-----	8,031	3,523	4,481	11,847	7,277	6,417	33,006
Sheet and strip-----	25,776	29,617	55,981	45,571	45,653	37,010	43,442
Bars & certain shapes-----	7,762	6,946	7,189	12,047	16,399	13,064	12,030
Wire rod-----	1,024	828	1,328	1,486	5,505	3,811	4,193
Wire-----	1,964	2,728	3,806	4,459	2,614	2,006	2,541
Pipe and tube-----	5,948	3,040	8,751	6,198	8,067	6,119	10,736
Tool steel (all forms)-----	2,094	2,144	3,061	4,502	18,492	16,564	5,294
Total-----	59,657	49,779	86,778	88,943	117,836	93,152	116,024

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, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1985	1986	1987	1988	1989	January-September	
						1989	1990
All grades of steel:							
Semifinished-----	3,725,184	3,510,686	3,808,668	4,711,207	3,657,244	2,874,168	2,707,789
Plate-----	6,016,668	4,952,031	5,518,075	9,081,431	8,099,535	5,925,180	6,886,465
Sheet and strip-----	49,520,991	48,264,325	50,607,166	50,637,823	49,298,688	37,531,778	36,433,102
Bars & certain shapes 1/--	14,119,002	13,566,286	14,813,003	15,793,244	15,607,402	11,844,152	12,036,342
Wire rod-----	4,433,174	4,820,704	5,299,307	5,531,902	5,343,912	3,997,979	3,926,277
Wire-----	1,467,474	1,357,521	1,329,375	2,121,014	2,139,808	1,657,644	1,525,650
Wire products-----	917,975	889,928	930,881	3/	3/	3/	3/
Structural shapes & units--	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	5,259,348	4,935,751
Rails & related products--	1,299,929	902,776	744,880	915,880	781,292	646,335	546,080
Pipe and tube-----	8,385,854	5,671,711	6,192,583	7,479,551	6,040,401	4,544,363	5,155,297
Total-----	96,935,928	90,571,732	96,415,948	103,557,659	97,786,297	74,280,947	74,150,753
Carbon & certain alloy 2/ steel:							
Semifinished-----	3,675,194	3,444,430	3,677,060	4,575,171	3,511,955	2,770,668	2,579,002
Plate-----	5,871,738	4,823,280	5,352,358	8,894,553	7,919,675	5,789,152	6,744,963
Sheet and strip-----	48,579,016	47,342,969	49,593,209	49,520,590	48,246,263	36,723,349	35,634,302
Bars & certain shapes--	13,864,208	13,317,940	14,560,787	15,520,946	15,344,745	11,655,751	11,833,584
Wire rod-----	4,384,259	4,766,635	5,234,571	5,456,419	5,290,947	3,956,397	3,887,242
Wire-----	1,424,976	1,318,052	1,287,363	2,075,234	2,096,403	1,624,036	1,497,972
Wire products-----	917,975	889,928	930,881	3/	3/	3/	3/
Structural shapes & units--	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	5,259,348	4,935,751
Rails & related products--	1,299,929	902,776	744,880	915,880	781,292	646,335	546,080
Pipe and tube-----	8,310,739	5,599,237	6,133,106	7,393,506	5,963,089	4,483,072	5,098,436
Total-----	95,377,711	89,041,011	94,686,225	101,637,906	95,972,384	72,908,108	72,757,332
Stainless & alloy tool steel:							
Semifinished-----	49,990	66,256	131,608	136,035	145,288	103,499	128,787
Plate-----	144,930	128,751	165,718	186,878	179,860	136,028	141,502
Sheet and strip-----	941,975	921,356	1,013,957	1,117,233	1,052,427	808,430	798,799
Bars & certain shapes--	159,475	149,966	156,243	168,429	165,636	120,570	124,862
Wire rod-----	48,915	54,067	64,737	75,482	52,964	41,582	39,034
Wire-----	42,499	39,468	42,012	45,780	43,405	33,608	27,678
Pipe and tube-----	75,115	72,474	59,477	86,044	77,312	61,291	56,861
Tool steel (all forms)---	95,318	98,380	95,973	103,870	97,021	67,831	75,896
Total-----	1,558,217	1,530,718	1,729,725	1,919,751	1,813,913	1,372,839	1,393,419

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, 1985-1989, and by specific periods, 1989 and 1990

(Percent)

Item	1985	1986	1987	1988	1989	January-September	
						1989	1990
All grades of steel:							
Semifinished	65.5	59.4	60.1	60.4	60.1	60.6	63.6
Plate	29.5	29.4	28.4	20.6	17.7	17.2	16.1
Sheet and strip	18.3	17.2	15.6	14.4	13.1	12.6	13.1
Bars & certain shapes 1/	11.0	10.9	9.2	9.2	8.7	9.1	6.9
Wire rod	33.3	28.3	27.7	27.0	21.5	21.7	20.6
Wire	41.0	42.0	41.0	39.0	37.0	44.0	50.0
Wire products	73.5	71.5	69.8	3/	3/	3/	3/
Structural shapes & units	34.6	32.8	30.0	30.0	24.1	25.4	16.4
Rails & related products	29.4	30.5	33.0	34.9	41.3	36.6	44.5
Pipe and tube	53.5	52.1	44.8	43.9	40.9	40.9	38.2
Total	25.7	23.5	21.7	21.1	18.6	18.5	17.7
Carbon & certain alloy 2/ steel:							
Semifinished	66.1	60.0	60.7	60.8	60.8	61.1	64.8
Plate	30.0	29.9	29.1	20.9	17.9	17.3	16.2
Sheet and strip	18.3	17.2	15.6	14.5	13.1	12.6	13.0
Bars & certain shapes	10.6	10.5	8.8	8.8	8.2	8.7	6.4
Wire rod	33.2	28.2	27.7	27.0	21.3	21.5	20.4
Wire	41.0	42.0	41.0	39.0	37.0	36.0	72.0
Wire products	73.5	71.5	69.8	3/	3/	3/	3/
Structural shapes & units	34.6	32.8	30.0	30.0	24.1	25.4	16.4
Rails & related products	29.4	30.5	33.0	34.9	41.3	36.6	44.5
Pipe and tube	53.6	52.2	44.8	44.0	40.8	40.8	37.9
Total	25.8	23.5	21.8	21.2	18.6	18.5	17.6
Stainless & alloy tool steel:							
Stainless steel:							
Semifinished	20.6	26.6	43.1	45.9	42.8	47.8	39.5
Plate	7.9	12.7	6.7	8.5	9.8	9.9	11.2
Sheet and strip	14.4	16.5	12.8	10.6	13.4	12.5	14.0
Bars & certain shapes	23.8	25.3	24.3	24.2	26.2	25.2	25.5
Wire rod	41.0	34.2	28.3	25.4	41.0	40.3	45.3
Wire	52.2	44.4	45.4	45.1	49.1	48.3	47.8
Pipe and tube	42.6	45.9	44.5	42.7	48.2	48.3	62.1
Tool steel (all forms)	39.0	45.5	42.3	42.5	49.8	52.5	49.4
Total	19.7	22.1	19.6	18.7	21.6	21.3	22.6

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988		1989		January--September	
					1989	1990
Quantity (short tons)						
VRA countries:						
Australia -----	282,085	274,578	234,876	227,564		
Austria -----	138,101	86,486	53,132	73,224		
Brazil -----	1,476,896	1,391,142	1,118,853	974,988		
Czechoslovakia -----	37,301	25,693	7,100	6,577		
East Germany -----	92,239	55,867	45,701	40,670		
EC countries-----	6,276,220	5,676,977	4,191,205	3,858,674		
Finland -----	212,989	216,716	144,782	167,983		
Hungary -----	30,094	28,420	22,559	24,278		
Japan -----	4,343,898	3,695,906	2,828,485	2,358,620		
Mexico -----	488,367	467,605	367,056	504,930		
Peoples Rep of China -----	68,840	62,028	40,556	47,245		
Poland -----	89,648	72,786	43,462	26,686		
Romania -----	102,548	49,451	33,808	21,394		
Republic of South Africa -----	1,693	756	698	965		
Korea, Republic of -----	1,572,602	1,191,970	842,799	1,113,002		
Trinidad and Tobago -----	31,518	48,028	32,696	56,549		
Venezuela -----	169,383	173,642	74,923	146,579		
Yugoslavia -----	12,751	8,222	5,598	20,154		
Total-----	15,427,173	13,526,273	10,088,289	9,670,082		
Other countries:						
Canada -----	3,430,920	3,218,260	2,499,570	2,484,099		
Sweden -----	575,055	254,507	202,007	233,490		
Argentina -----	558,011	227,866	186,478	157,050		
Turkey -----	307,985	211,804	171,395	111,123		
Taiwan -----	252,112	164,019	129,686	160,225		
India -----	100,261	106,110	76,330	71,308		
Norway -----	181,502	90,181	68,502	13,565		
Singapore -----	153,164	78,918	65,919	24,506		
New Zealand -----	88,980	78,564	66,366	80,388		
Indonesia -----	281,142	69,344	54,590	23,773		
All others-----	512,760	192,639	138,940	89,324		
Total-----	6,441,892	4,692,212	3,659,783	3,448,851		
Grand total-----	21,869,065	18,218,485	13,748,072	13,118,933		

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	118,494	126,633	103,797	89,714
Austria -----	82,907	67,871	45,094	55,545
Brazil -----	463,632	473,506	375,399	281,006
Czechoslovakia -----	12,019	8,890	2,621	1,927
East Germany -----	31,340	18,908	15,365	12,352
EC countries-----	2,981,610	2,945,914	2,189,033	1,947,204
Finland -----	101,105	91,999	64,138	79,530
Hungary -----	8,600	9,155	7,311	6,972
Japan -----	2,562,005	2,426,329	1,832,609	1,596,043
Mexico -----	240,693	252,029	187,392	246,816
Peoples Rep of China -----	27,574	34,627	23,482	26,766
Poland -----	30,281	26,614	16,181	10,368
Romania -----	36,063	17,374	12,137	7,484
Republic of South Africa -----	1,487	594	555	753
Korea, Republic of -----	770,065	638,311	439,984	549,400
Trinidad and Tobago -----	8,602	14,695	10,191	15,700
Venezuela -----	53,699	61,681	31,054	54,413
Yugoslavia -----	5,947	3,423	2,384	8,174
Total-----	7,536,123	7,218,553	5,358,727	4,990,271
Other countries:				
Canada -----	1,706,602	1,697,641	1,323,356	1,206,085
Sweden -----	358,878	278,349	210,375	192,672
Argentina -----	221,845	110,210	90,284	75,560
Turkey -----	93,038	65,996	54,013	35,587
Taiwan -----	134,663	107,331	82,402	105,254
India -----	43,769	45,816	32,377	36,696
Norway -----	55,371	33,921	24,857	8,345
Singapore -----	50,365	32,735	25,305	14,906
New Zealand -----	35,995	41,302	33,232	33,455
Indonesia -----	81,687	24,760	19,089	9,862
All others-----	194,569	92,265	68,582	52,300
Total-----	2,976,782	2,530,326	1,963,872	1,770,722
Grand total-----	10,512,905	9,748,879	7,322,599	6,760,993

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

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-September	
			1989	1990
Quantity (Short tons)				
VRA countries:				
Australia -----	202,683	205,832	170,550	132,464
Austria -----	138,029	86,486	53,132	73,224
Brazil -----	755,083	724,260	554,700	433,788
Czechoslovakia -----	37,301	25,693	7,100	6,577
East Germany -----	92,239	55,867	45,701	40,670
EC-----	5,084,148	4,732,130	3,459,033	3,167,575
Finland -----	209,750	182,165	128,066	167,983
Hungary -----	30,094	28,420	22,559	24,278
Japan -----	4,264,692	3,608,721	2,757,293	2,348,438
Mexico -----	424,451	390,447	291,104	357,297
Peoples Rep of China -----	68,840	62,023	40,550	47,233
Poland -----	89,295	72,493	43,195	26,598
Romania -----	102,548	49,451	33,808	21,394
Republic of South Africa -----	1,693	750	692	965
Korea, Republic of -----	1,515,157	1,125,936	799,566	1,112,846
Trinidad and Tobago -----	28,460	48,028	32,696	56,549
Venezuela -----	119,720	125,160	74,923	146,579
Yugoslavia -----	12,751	8,222	5,598	20,154
Total-----	13,176,934	11,532,084	8,520,266	8,184,612
Other countries:				
Canada -----	3,327,082	3,098,487	2,404,774	2,323,183
Argentina -----	535,190	227,011	186,416	156,906
Turkey -----	307,985	211,804	171,395	111,123
Sweden -----	269,005	183,284	134,246	158,413
Taiwan -----	252,112	164,018	129,686	160,203
India -----	100,261	106,110	76,330	71,308
Norway -----	116,917	84,304	62,625	13,559
Singapore -----	153,164	78,918	65,919	24,506
New Zealand -----	42,766	78,564	66,366	80,387
Indonesia -----	276,988	69,344	54,590	23,773
All others-----	465,682	186,746	133,059	88,750
Total-----	5,847,152	4,488,590	3,485,406	3,212,111
Grand total-----	19,024,086	16,020,674	12,005,672	11,396,723

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-September	
			1989	1990
Import/consumption ratio (percent)				
VRA countries:				
Australia -----	.2	.2	.2	.2
Austria -----	.1	.1	.1	.1
Brazil -----	.8	.8	.8	.6
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	.1	.1	.1	.1
EC-----	5.2	5.1	4.9	4.5
Finland -----	.2	.2	.2	.2
Hungary -----	2/	2/	2/	2/
Japan -----	4.4	3.9	3.9	3.3
Mexico -----	.4	.4	.4	.5
Peoples Rep of China -----	.1	.1	.1	.1
Poland -----	.1	.1	.1	2/
Romania -----	.1	.1	2/	2/
Republic of South Africa -----	2/	2/	2/	2/
Korea, Republic of -----	1.6	1.2	1.1	1.6
Trinidad and Tobago -----	2/	.1	2/	.1
Venezuela -----	.1	.1	.1	.2
Yugoslavia -----	2/	2/	2/	2/
Total-----	13.5	12.4	12.0	11.6
Other countries:				
Canada -----	3.4	3.3	3.4	3.3
Argentina -----	.5	.2	.3	.2
Turkey -----	.3	.2	.2	.2
Sweden -----	.3	.2	.2	.2
Taiwan -----	.3	.2	.2	.2
India -----	.1	.1	.1	.1
Norway -----	.1	.1	.1	2/
Singapore -----	.2	.1	.1	2/
New Zealand -----	2/	.1	.1	.1
Indonesia -----	.3	.1	.1	2/
All others-----	.5	.2	.2	.1
Total-----	6.0	4.8	4.9	4.5
Grand total-----	19.5	17.2	17.0	16.1

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, 1988, 1989, and by specified periods, 1989 and 1990

Source	Unadjusted Initial Period Ceiling 2/	1988	1989	January--September	
				1989	1990
Quantity (short tons)					
VRA countries:					
Australia	126,500	79,402	68,747	64,326	95,101
Austria	5/	73	0	0	0
Brazil	979,835	721,813	666,882	564,153	541,199
Czechoslovakia	3/	0	0	0	0
East Germany	3/	0	0	0	0
EC Countries	814,743	1,192,072	944,846	732,173	691,099
Finland	17,152	3,239	34,551	16,716	0
Hungary	3/	0	0	0	0
Japan	94,339	79,206	87,185	71,193	10,182
Mexico	257,287	63,916	77,158	75,952	147,633
Peoples Rep of China	3/	0	5	5	12
Poland	3/	353	293	267	87
Romania	3/	0	0	0	0
Republic of South Africa	3/	0	7	7	0
Korea, Republic of	290,520	57,445	66,033	43,232	156
Trinidad and Tobago	24,250	3,058	0	0	0
Venezuela	73,970	49,663	48,482	0	0
Yugoslavia	3/	0	0	0	0
Total	5/	2,250,240	1,994,189	1,568,024	1,485,469
Other countries:					
Canada	3/	103,838	119,773	94,796	160,916
Sweden	3/	306,050	71,223	67,761	75,077
Norway	3/	64,585	5,877	5,877	6
Soviet Union	3/	47,078	5,860	5,860	0
Argentina	3/	22,820	855	62	143
Switzerland	3/	0	31	19	508
Taiwan	3/	0	0	0	22
Israel	3/	0	0	0	0
Indonesia	3/	4,154	0	0	0
Peru	3/	0	0	0	47
All others	3/	46,214	0	0	18
Total	5/	594,739	203,619	174,375	236,737
Grand total	5/	2,844,979	2,197,808	1,742,399	1,722,206

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

2/ Restraint level applicable to 15-month period ending December 31, 1990.

3/ No explicit semifinished steel provisions.

4/ The United States did not renew its voluntary restraint agreement with South Africa. See preface and notes for explanation.

5/ Not applicable.

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

Table 10.--Carbon and certain alloy 1/₂ semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia	79,402	68,747	64,326	95,101
Austria	0	0	0	0
Brazil	720,130	666,882	564,153	541,199
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	1,181,448	930,852	720,439	671,462
Finland	3,239	34,551	16,716	0
Hungary	0	0	0	0
Japan	77,271	86,487	70,495	9,538
Mexico	63,916	76,982	75,850	147,369
Peoples Rep of China	0	5	5	12
Poland	279	0	0	45
Romania	0	0	0	0
Republic of South Africa	0	7	7	0
Korea, Republic of	57,445	66,033	43,232	72
Trinidad and Tobago	3,058	0	0	0
Venezuela	49,663	48,482	0	0
Yugoslavia	0	0	0	0
Total	2,235,851	1,979,028	1,555,223	1,464,798
Other countries:				
Canada	70,310	83,218	65,092	141,209
Sweden	291,559	60,821	60,821	64,588
Norway	64,585	5,877	5,877	6
Soviet Union	47,078	5,860	5,860	0
Argentina	22,820	855	62	143
Switzerland	2/	31	19	508
Peru	0	0	0	47
New Zealand	46,214	0	0	2/
Taiwan	0	0	0	21
Indonesia	4,154	0	0	0
All others	0	0	0	17
Total	546,720	156,662	137,731	206,539
Grand total	2,782,571	2,135,690	1,692,954	1,671,337

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy ^{1/} semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				0
Australia -----	15,165	14,426	13,283	19,033
Austria -----	0	0	0	0
Brazil -----	161,215	166,678	140,497	114,453
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	290,884	244,360	189,536	162,104
Finland -----	770	10,811	4,508	0
Hungary -----	0	0	0	0
Japan -----	19,499	24,972	20,234	3,898
Mexico -----	17,342	19,722	19,209	32,072
Peoples Rep of China -----	0	7	7	12
Poland -----	69	0	0	17
Romania -----	0	0	0	0
Republic of South Africa -----	0	18	18	0
Korea, Republic of -----	14,573	16,133	10,557	44
Trinidad and Tobago -----	617	0	0	0
Venezuela -----	11,049	10,072	0	0
Yugoslavia -----	0	0	0	0
Total-----	531,183	507,199	397,849	331,633
Other countries:				
Canada -----	21,337	27,484	22,242	38,052
Sweden -----	73,544	15,249	15,249	13,082
Norway -----	14,757	1,288	1,288	40
Soviet Union -----	6,946	843	843	0
Argentina -----	6,147	336	21	116
Switzerland -----	3	155	67	544
Peru -----	0	0	0	44
New Zealand -----	13,489	0	0	7
Taiwan -----	0	0	0	25
Indonesia -----	1,196	0	0	0
All others-----	0	0	0	7
Total-----	137,419	45,355	39,710	51,917
Grand total-----	668,602	552,554	437,559	383,550

^{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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	5,935	4,634	2,857	2,945
Austria -----	21,426	5,851	3,570	1,464
Brazil -----	171,537	134,769	105,526	51,902
Czechoslovakia -----	16,455	17,274	4,648	4,857
East Germany -----	17,270	10,342	7,410	11,859
EC countries -----	515,974	521,489	352,432	460,324
Finland -----	96,135	108,885	70,979	88,853
Hungary -----	16,146	15,300	12,249	13,109
Japan -----	44,538	45,639	34,366	24,415
Mexico -----	20,867	26,919	18,583	31,056
Peoples Rep of China -----	26	0	0	0
Poland -----	30,860	28,960	16,144	7,586
Romania -----	68,325	35,438	24,226	8,280
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	68,405	46,109	33,860	24,659
Trinidad and Tobago -----	389	2,204	0	0
Venezuela -----	6,653	10,033	4,490	6,125
Yugoslavia -----	1,423	0	0	9,289
Total-----	1,102,364	1,013,846	691,340	746,723
Other countries:				
Canada -----	419,556	266,881	211,991	217,973
Sweden -----	110,743	78,601	56,720	86,879
India -----	34,780	53,828	37,094	32,917
New Zealand -----	3,849	5,544	5,270	7,418
Indonesia -----	84,969	267	203	0
Argentina -----	44,564	233	233	2,817
Turkey -----	5,946	193	193	0
Peru -----	0	2/	2/	0
Israel -----	1,729	0	0	0
Niue -----	158	0	0	0
All others -----	48,430	0	0	17
Total-----	754,724	405,547	311,704	348,021
Grand total-----	1,857,088	1,419,393	1,003,044	1,094,744

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy ^{1/} steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	3,190	2,371	1,470	1,296
Austria -----	8,467	2,465	1,684	715
Brazil -----	67,413	44,586	33,871	17,967
Czechoslovakia -----	5,280	5,498	1,326	1,245
East Germany -----	5,566	3,312	2,393	3,431
EC countries -----	219,700	215,157	147,467	173,881
Finland -----	38,528	39,347	25,857	30,719
Hungary -----	4,494	4,847	3,890	3,762
Japan -----	27,120	27,889	20,239	16,800
Mexico -----	8,122	10,816	7,960	10,327
Peoples Rep of China -----	28	0	0	0
Poland -----	9,971	9,915	5,506	2,308
Romania -----	22,680	11,827	8,249	2,632
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	28,496	17,725	12,994	8,327
Trinidad and Tobago -----	122	630	0	0
Venezuela -----	2,062	3,172	1,511	1,505
Yugoslavia -----	461	0	0	3,307
Total-----	451,700	399,557	274,417	278,222
Other countries:				
Canada -----	175,573	109,513	88,011	79,594
Sweden -----	52,247	39,192	28,915	38,555
India -----	14,024	17,706	11,522	11,267
New Zealand -----	1,350	1,671	1,591	1,867
Indonesia -----	25,597	125	57	0
Argentina -----	14,038	81	81	678
Turkey -----	2,186	88	88	0
Peru -----	0	6	6	0
Israel -----	754	0	0	0
Niue -----	55	0	0	0
All others-----	14,144	0	0	11
Total-----	299,968	168,382	130,271	131,972
Grand total-----	751,668	567,939	404,688	410,194

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

^{2/} Less than 0.5 short ton.

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

Table 12.--Carbon and certain alloy 1/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	169,338	173,844	144,484	109,172
Austria -----	80,141	44,936	28,488	34,674
Brazil -----	279,788	374,903	286,032	161,982
Czechoslovakia -----	0	10	10	0
East Germany -----	50,830	26,330	23,243	15,024
EC countries-----	2,249,090	1,968,270	1,372,922	1,232,493
Finland -----	85,164	56,876	43,041	61,170
Hungary -----	13,211	11,903	9,135	11,131
Japan -----	2,209,538	2,050,376	1,559,345	1,382,770
Mexico -----	139,529	117,694	80,853	107,101
Peoples Rep of China -----	0	456	18	84
Poland -----	11,005	0	0	0
Romania -----	6,731	52	52	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	487,380	375,727	232,907	602,869
Trinidad and Tobago -----	63	0	0	0
Venezuela -----	57,246	59,756	31,768	53,514
Yugoslavia -----	0	32	32	621
Total-----	5,839,054	5,261,165	3,812,330	3,772,605
Other countries:				
Canada -----	856,040	858,289	660,686	644,015
New Zealand -----	29,118	61,556	52,522	70,520
Taiwan -----	78,901	48,988	36,557	75,839
Argentina -----	243,388	27,348	17,471	42,048
Sweden -----	51,007	21,448	15,700	22,010
Norway -----	14,466	20,341	13,385	10,994
United Arab Emirates -----	0	2,078	2,078	0
Jamamica -----	0	538	22	185
Indonesia -----	20,138	368	160	152
Costa Rica -----	0	287	0	66
All others-----	53,269	438	225	7,615
Total-----	1,346,327	1,041,679	798,806	873,444
Grand total-----	7,185,381	6,302,844	4,611,136	4,646,049

See footnote(s) at end of table.

Table 12.--Carbon and certain alloy ¹/₂ steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	90,392	96,817	77,938	58,993
Austria -----	31,089	18,681	12,007	13,553
Brazil -----	111,040	149,482	114,232	57,550
Czechoslovakia -----	0	3	3	0
East Germany -----	18,100	9,790	8,525	5,395
EC countries -----	1,045,288	951,315	674,249	571,609
Finland -----	32,525	22,393	17,663	19,529
Hungary -----	3,751	3,739	2,874	3,156
Japan -----	1,211,321	1,198,546	906,131	815,407
Mexico -----	77,632	69,852	47,449	63,891
Peoples Rep of China -----	0	211	7	137
Poland -----	5,049	0	0	0
Romania -----	2,176	36	36	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	209,663	163,713	97,739	234,987
Trinidad and Tobago -----	19	0	0	0
Venezuela -----	22,121	26,436	14,416	21,341
Yugoslavia -----	0	17	17	345
Total-----	2,860,166	2,711,031	1,973,286	1,865,893
Other countries:				
Canada -----	381,804	403,293	310,599	289,263
New Zealand -----	11,315	27,435	22,808	28,777
Taiwan -----	31,494	22,887	16,570	38,472
Argentina -----	92,033	14,390	9,530	16,180
Sweden -----	39,376	28,193	21,291	21,782
Norway -----	7,909	12,185	8,229	6,574
United Arab Emirates -----	0	926	926	0
Jamamica -----	0	378	4	136
Indonesia -----	7,569	215	76	115
Costa Rica -----	0	228	0	56
All others-----	21,590	528	290	3,065
Total-----	593,090	510,658	390,323	404,420
Grand total-----	3,453,256	3,221,689	2,363,609	2,270,313

¹/₂ 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 13.--Carbon and certain alloy $\frac{1}{2}$ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	826	1,433	384	119
Austria -----	693	541	432	311
Brazil -----	96,561	50,035	38,762	58,454
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	260,337	323,125	228,077	202,246
Finland -----	4,081	4,080	3,338	2,279
Hungary -----	146	0	0	0
Japan -----	107,959	131,880	106,503	67,818
Mexico -----	22,813	16,066	13,468	9,188
Peoples Rep of China -----	3,441	3,916	2,329	4,519
Poland -----	1,282	2,648	2,079	1,449
Romania -----	29	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	74,249	62,652	50,712	33,883
Trinidad and Tobago -----	15,404	16,501	13,908	24,482
Venezuela -----	19,962	10,391	7,104	22,079
Yugoslavia -----	0	0	0	0
Total -----	607,783	623,268	467,096	426,827
Other countries:				
Canada -----	429,634	398,631	321,021	265,841
Turkey -----	102,560	109,153	109,153	25,069
Argentina -----	50,982	48,289	42,964	17,808
Norway -----	36,346	30,234	23,640	0
Singapore -----	19,311	20,159	18,116	1,861
Taiwan -----	32,265	11,752	11,522	431
India -----	11,249	10,492	7,095	8,800
Sweden -----	9,099	3,385	2,717	3,225
Indonesia -----	54,015	3,133	3,133	4,500
Dominican Republic -----	0	3,112	3,112	0
All others -----	7,867	2,699	2,060	5,350
Total -----	753,328	641,039	544,533	332,885
Grand total -----	1,361,111	1,264,307	1,011,629	759,712

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	332	669	299	43
Austria -----	667	1,024	793	763
Brazil -----	29,058	22,335	16,849	21,562
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	133,388	169,448	120,500	105,669
Finland -----	2,705	3,241	2,468	2,433
Hungary -----	63	0	0	0
Japan -----	49,339	73,081	57,511	43,713
Mexico -----	8,588	5,814	4,901	3,249
Peoples Rep of China -----	1,314	1,526	847	2,090
Poland -----	845	1,517	1,178	914
Romania -----	103	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	20,439	19,087	15,173	11,065
Trinidad and Tobago -----	3,968	5,232	4,457	6,705
Venezuela -----	5,392	3,868	2,884	6,709
Yugoslavia -----	0	0	0	0
Total-----	256,201	306,842	227,860	204,915
Other countries:				
Canada -----	186,448	173,249	138,000	116,248
Turkey -----	28,951	32,827	32,827	9,319
Argentina -----	16,442	18,563	16,486	6,776
Norway -----	8,963	8,213	6,578	0
Singapore -----	5,104	7,950	5,949	536
Taiwan -----	10,022	4,724	4,590	247
India -----	3,952	4,650	3,141	4,359
Sweden -----	5,737	3,160	2,349	5,066
Indonesia -----	14,691	862	862	1,264
Dominican Republic -----	0	821	821	0
All others -----	2,726	1,257	937	1,850
Total-----	283,036	256,276	212,540	145,665
Grand total-----	539,237	563,118	440,400	350,580

¹/₂ 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 14.--Carbon and certain alloy $\frac{1}{2}$ steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	9,551	10,783	10,783	7,718
Austria -----	601	1,108	1,108	0
Brazil -----	58,383	57,858	35,145	60,923
Czechoslovakia -----	13,661	2,197	0	0
East Germany -----	16,306	12,583	10,369	11,934
EC countries -----	290,286	212,925	165,943	126,192
Finland -----	2,237	108	108	0
Hungary -----	0	67	67	0
Japan -----	276,003	201,891	156,310	138,730
Mexico -----	58,389	32,373	32,288	25,863
Peoples Rep of China -----	27	25	25	20
Poland -----	7,606	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	875	176	176	10
Trinidad and Tobago -----	11,312	29,203	18,724	31,094
Venezuela -----	8,916	2,065	1,041	16,071
Yugoslavia -----	0	0	0	0
Total-----	754,153	563,362	432,087	418,555
Other countries:				
Canada -----	360,096	400,938	307,970	292,223
Turkey -----	126,791	75,596	39,698	69,266
Indonesia -----	84,414	29,923	24,510	0
Singapore -----	81,904	29,776	25,342	5,197
Sweden -----	18,464	15,095	12,421	5,589
Taiwan -----	16,843	10,071	9,719	782
Egypt -----	11,114	3,157	23	0
Argentina -----	0	276	77	877
United Arab Emirates -----	0	179	179	0
India -----	0	22	22	0
All others-----	20,843	19	0	90
Total-----	720,469	565,052	419,961	374,024
Grand total-----	1,474,622	1,128,414	852,048	792,579

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy $\frac{1}{2}$ steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	2,103	2,439	2,439	2,017
Austria -----	248	297	297	0
Brazil -----	16,380	16,652	9,950	15,876
Czechoslovakia -----	3,234	549	0	0
East Germany -----	3,547	3,014	2,483	2,762
EC countries -----	109,528	82,681	63,752	46,264
Finland -----	741	35	35	0
Hungary -----	0	30	30	0
Japan -----	124,039	96,067	74,205	63,504
Mexico -----	15,344	8,234	8,204	6,935
Peoples Rep of China -----	9	7	7	9
Poland -----	1,612	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	389	112	112	5
Trinidad and Tobago -----	3,293	8,770	5,686	8,748
Venezuela -----	2,000	594	289	3,996
Yugoslavia -----	0	0	0	0
Total-----	282,467	219,481	167,489	150,116
Other countries:				
Canada -----	130,836	145,073	111,372	104,101
Turkey -----	32,337	20,896	11,195	17,895
Indonesia -----	20,363	8,363	6,724	0
Singapore -----	21,983	9,390	8,075	1,678
Sweden -----	9,831	12,842	10,376	4,847
Taiwan -----	6,764	4,247	4,101	296
Egypt -----	2,650	920	7	0
Argentina -----	0	137	38	378
United Arab Emirates -----	0	149	149	0
India -----	0	11	11	0
All others-----	4,578	6	0	17
Total-----	229,342	202,034	152,048	129,212
Grand total-----	511,809	421,515	319,537	279,328

✓ 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 15.--Carbon and certain alloy $\frac{1}{2}$ steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	4,488	4,189	3,305	3,074
Austria -----	1,731	1,782	1,359	1,214
Brazil -----	14,128	9,397	7,834	6,892
Czechoslovakia -----	0	24	24	0
East Germany -----	0	0	0	0
EC countries-----	168,480	139,816	107,868	87,336
Finland -----	476	368	160	660
Hungary -----	0	0	0	0
Japan -----	78,468	67,924	52,201	50,903
Mexico -----	2,712	1,407	994	2,463
Peoples Rep of China -----	9,720	12,165	7,909	6,908
Poland -----	116	201	112	103
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea, Republic of -----	7,736	7,512	5,406	3,224
Trinidad and Tobago -----	1,060	0	0	0
Venezuela -----	5,996	5,906	2,819	4,641
Yugoslavia -----	3	0	0	0
Total-----	295,114	250,691	189,991	167,418
Other countries:				
Canada -----	193,243	183,779	141,954	131,594
Argentina -----	2,491	11,276	7,576	8,580
Sweden -----	7,532	7,601	5,231	5,233
India -----	4,108	5,266	3,695	4,843
Chile -----	2,146	3,630	2,684	748
Taiwan -----	4,897	3,548	2,716	5,461
Ecuador -----	1,430	2,134	2,036	118
Switzerland -----	2,591	1,653	1,452	600
Norway -----	1,312	1,328	713	976
Hong Kong -----	9	763	763	2
All others-----	4,856	1,315	952	795
Total-----	224,615	222,293	169,772	158,950
Grand total-----	519,729	472,984	359,763	326,368

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy ^{1/} steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	2,018	1,844	1,480	1,307
Austria -----	2,584	2,976	2,191	2,373
Brazil -----	6,207	5,122	4,182	3,588
Czechoslovakia -----	0	16	16	0
East Germany -----	0	0	0	0
EC countries -----	141,210	126,019	97,586	83,501
Finland -----	231	198	75	396
Hungary -----	0	0	0	0
Japan -----	61,637	57,930	44,401	45,332
Mexico -----	1,320	914	656	1,498
Peoples Rep of China -----	4,165	5,530	3,530	3,182
Poland -----	59	129	59	62
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,667	4,890	3,548	2,381
Trinidad and Tobago -----	354	0	0	0
Venezuela -----	3,096	3,410	1,660	2,561
Yugoslavia -----	9	0	0	0
Total -----	227,557	208,978	159,384	146,181
Other countries:				
Canada -----	109,405	112,002	85,738	80,450
Argentina -----	1,245	5,051	3,360	3,864
Sweden -----	10,678	9,482	6,897	6,557
India -----	1,518	1,974	1,371	1,836
Chile -----	946	2,041	1,480	443
Taiwan -----	2,903	3,186	2,534	3,435
Ecuador -----	652	1,059	1,007	62
Switzerland -----	1,525	1,062	941	384
Norway -----	1,177	1,095	569	761
Hong Kong -----	2	346	346	36
All others -----	1,291	726	517	341
Total -----	131,342	138,024	104,760	98,169
Grand total -----	358,899	347,002	264,144	244,350

^{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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	5	20	20	37
Austria -----	956	4,043	3,270	2,480
Brazil -----	15,018	10,401	9,027	10,173
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	38,365	86,677	65,886	62,333
Finland -----	1	51	48	2/
Hungary -----	0	42	0	18
Japan -----	23,536	52,650	39,802	44,881
Mexico -----	13,693	24,461	17,144	24,394
Peoples Rep of China -----	36,866	42,981	29,090	34,093
Poland -----	16,070	15,255	11,111	8,219
Romania -----	143	0	0	0
Republic of South Africa -----	1,550	730	691	0
Korea, Republic of -----	192,127	178,804	130,125	148,709
Trinidad and Tobago -----	94	0	0	295
Venezuela -----	1,352	16,639	13,526	10,153
Yugoslavia -----	7,314	5,961	4,478	4,370
Total-----	347,090	438,715	324,218	350,155
Other countries:				
Canada -----	98,251	114,763	88,144	83,483
Indonesia -----	18,621	27,489	18,558	18,415
Thailand -----	8,627	20,808	15,088	4,375
Taiwan -----	13,715	17,331	12,761	11,788
Argentina -----	18,002	16,702	14,127	10,813
United Arab Emirates -----	20,059	14,854	13,630	9,110
Turkey -----	23,631	10,713	8,105	10,551
Saudi Arabia -----	3,718	8,784	6,708	4,980
Chile -----	8,459	8,642	5,863	6,020
India -----	4,571	8,233	6,237	4,154
All others-----	7,707	16,568	11,125	14,689
Total-----	225,361	264,887	200,346	178,378
Grand total-----	572,451	703,602	524,564	528,533

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy $\frac{1}{2}$ steel wire products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	20	37	30	83
Austria -----	1,556	8,634	7,007	6,516
Brazil -----	7,169	6,038	5,255	5,505
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	33,725	135,555	98,504	115,169
Finland -----	96	67	33	6
Hungary -----	0	23	0	7
Japan -----	28,992	97,473	74,307	80,507
Mexico -----	8,903	17,781	12,291	19,513
Peoples Rep of China -----	14,640	25,832	18,174	19,490
Poland -----	5,403	5,354	3,785	3,245
Romania -----	44	0	0	0
Republic of South Africa -----	792	558	533	0
Korea, Republic of -----	138,561	158,567	114,445	129,055
Trinidad and Tobago -----	27	0	0	116
Venezuela -----	387	5,224	4,193	3,964
Yugoslavia -----	3,027	2,456	1,899	1,780
Total-----	243,342	463,599	340,456	384,956
Other countries:				
Canada -----	70,198	93,747	71,549	69,530
Indonesia -----	6,881	11,595	7,849	8,129
Thailand -----	5,332	9,521	6,744	2,621
Taiwan -----	12,448	19,677	14,544	13,234
Argentina -----	7,943	8,930	7,463	5,781
United Arab Emirates -----	7,562	5,992	5,519	4,501
Turkey -----	8,700	5,485	4,053	5,585
Saudi Arabia -----	1,239	3,255	2,416	2,122
Chile -----	3,991	4,476	3,048	3,457
India -----	2,659	5,467	4,081	2,870
All others -----	6,778	21,186	15,270	17,261
Total-----	133,731	189,331	142,536	135,091
Grand total-----	377,073	652,930	482,992	520,047

✓ Certain alloy refers to alloy steel other than stainless or tool steel.

✓ Less than 0.5 short ton.

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

Table 17.--Carbon and certain alloy 1/ steel structural shapes and units: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	139	312	291	20
Austria -----	1,541	684	478	219
Brazil -----	20,210	11,638	9,408	3,942
Czechoslovakia -----	0	0	0	0
East Germany -----	0	92	92	0
EC countries -----	903,438	790,065	640,027	435,271
Finland -----	118	2,669	2,649	12
Hungary -----	0	0	0	0
Japan -----	590,217	373,632	336,109	96,540
Mexico -----	24,912	17,588	13,921	26,136
Peoples Rep of China -----	208	874	535	1,202
Poland -----	14,059	20,441	8,823	4,568
Romania -----	19	168	130	95
Republic of South Africa -----	143	0	0	0
Korea, Republic of -----	169,302	81,616	70,730	5,123
Trinidad and Tobago -----	0	120	65	678
Venezuela -----	2/	112	50	107
Yugoslavia -----	263	0	0	0
Total -----	1,724,569	1,300,011	1,083,308	573,913
Other countries:				
Canada -----	338,187	249,815	184,082	216,979
Norway -----	64,361	31,897	24,561	1,121
Argentina -----	27,523	30,494	26,974	5,024
New Zealand -----	8,242	8,945	6,361	1,378
Taiwan -----	9,020	6,899	5,298	4,896
Mauritius -----	0	4,723	0	0
Indonesia -----	4,074	3,269	3,251	45
India -----	459	1,743	1,049	461
Singapore -----	3,129	1,102	645	3,605
Sweden -----	3,925	991	867	1,321
All others -----	4,979	474	313	983
Total -----	463,899	340,352	253,401	235,813
Grand total -----	2,188,468	1,640,363	1,336,709	809,726

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	135	902	884	37
Austria -----	1,865	1,780	1,303	1,055
Brazil -----	8,055	5,564	4,501	2,534
Czechoslovakia -----	0	0	0	0
East Germany -----	0	28	28	0
EC countries -----	356,905	308,492	248,765	163,220
Finland -----	248	4,129	4,036	38
Hungary -----	0	0	0	0
Japan -----	228,010	159,837	141,662	45,858
Mexico -----	11,585	8,817	6,890	16,698
Peoples Rep. of China -----	154	669	425	938
Poland -----	3,587	6,446	2,573	1,260
Romania -----	11	73	55	35
Republic of South Africa -----	694	0	0	0
Korea, Republic of -----	84,018	43,704	29,074	4,104
Trinidad and Tobago -----	0	63	48	188
Venezuela -----	1	83	15	40
Yugoslavia -----	393	0	0	0
Total -----	695,661	540,587	440,259	236,005
Other countries:				
Canada -----	201,529	154,010	113,935	119,568
Norway -----	21,943	10,401	7,732	202
Argentina -----	7,274	10,137	9,092	1,822
New Zealand -----	8,814	10,505	7,349	1,765
Taiwan -----	5,476	6,383	5,060	3,748
Mauritius -----	0	1,521	0	0
Indonesia -----	1,173	971	951	20
India -----	371	1,195	685	399
Singapore -----	2,903	1,013	423	4,607
Sweden -----	5,413	2,805	2,397	2,782
All others-----	4,246	1,402	1,203	1,986
Total -----	259,142	200,343	148,827	136,899
Grand total -----	954,803	740,930	589,086	372,904

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

^{2/} Less than 0.5 short ton.

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

Table 18.--Carbon and certain alloy 1/ steel rails and related products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	2	3,567	2,985	3,113
Austria -----	703	5,805	4,927	4,424
Brazil -----	4,553	2,942	2,386	738
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries-----	52,358	53,518	41,743	30,460
Finland -----	3	0	0	2
Hungary -----	4	0	0	20
Japan -----	79,347	83,624	59,877	66,239
Mexico -----	26	380	322	63
Peoples Rep of China -----	25	455	427	58
Poland -----	0	105	105	0
Romania -----	0	0	0	0
Republic of South Africa -----	2/	20	0	965
Korea, Republic of -----	6,919	6,670	6,374	2,748
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	77	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	144,018	157,086	119,146	108,830
Other countries:				
Canada -----	172,077	151,966	114,529	133,200
Soviet Union -----	0	9,875	0	0
Argentina -----	6	2,579	1,794	2
Sweden -----	3,064	876	782	330
Taiwan -----	128	417	340	194
Colombia -----	0	77	58	46
Chile -----	0	48	11	15
Turkey -----	0	22	22	86
Israel -----	0	20	20	23
Honduras -----	2/	9	9	7
All others-----	140	11	9	48
Total-----	175,415	165,900	117,574	133,951
Grand total-----	319,433	322,986	236,720	242,781

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy ^{1/} steel rails and related products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	7	3,841	3,403	3,263
Austria -----	299	3,284	2,869	3,530
Brazil -----	3,751	2,544	2,030	650
Czechoslovakia -----	0	0	0	0
East Germany -----	5	0	0	0
EC countries -----	25,214	28,589	21,905	18,833
Finland -----	14	0	0	33
Hungary -----	25	0	0	47
Japan -----	38,835	46,028	32,973	36,759
Mexico -----	37	380	317	96
Peoples Rep of China -----	9	221	204	46
Poland -----	0	49	49	0
Romania -----	0	0	0	0
Republic of South Africa -----	1	14	0	753
Korea, Republic of -----	2,580	3,408	3,192	1,509
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	24	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	70,801	88,358	66,942	65,519
Other countries:				
Canada -----	50,140	59,757	48,734	31,989
Soviet Union -----	0	1,290	0	0
Argentina -----	17	803	559	10
Sweden -----	1,001	600	500	507
Taiwan -----	294	797	579	441
Colombia -----	0	258	192	169
Chile -----	0	25	7	8
Turkey -----	0	13	13	58
Israel -----	0	25	25	12
Honduras -----	2	4	4	4
All others-----	115	71	59	133
Total-----	51,569	63,643	50,672	33,331
Grand total-----	122,370	152,001	117,614	98,850

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

^{2/} Less than 0.5 short ton.

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

Table 19.--Carbon and certain alloy $\frac{1}{2}$ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	12,375	7,022	5,421	5,886
Austria -----	26,408	17,756	6,408	25,577
Brazil -----	87,724	64,098	54,408	71,997
Czechoslovakia -----	7,164	6,156	2,419	1,720
East Germany -----	7,828	6,520	4,586	1,850
EC countries-----	488,108	504,008	382,991	437,043
Finland -----	12,755	6,000	5,359	2,770
Hungary -----	585	1,109	1,109	0
Japan -----	790,770	507,942	346,010	416,172
Mexico -----	131,349	138,081	104,318	105,571
Peoples Rep. of China -----	18,422	973	48	0
Poland -----	8,048	4,658	4,608	4,479
Romania -----	27,284	13,778	9,386	13,019
Republic of South Africa ----	0	0	0	0
Korea, Republic of -----	496,059	353,671	260,590	279,514
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	19,510	20,192	14,124	33,673
Yugoslavia -----	3,732	2,226	1,085	5,802
Total-----	2,138,121	1,654,190	1,202,870	1,405,073
Other countries:				
Canada -----	436,372	451,459	357,623	320,311
Argentina -----	148,192	89,608	75,081	68,880
Taiwan -----	88,055	60,719	47,707	54,115
Thailand -----	148,259	34,384	34,360	5,340
Singapore -----	47,545	27,492	21,688	13,079
India -----	44,486	25,404	20,250	15,743
Sweden -----	26,842	21,424	15,009	13,198
Turkey -----	32,001	16,107	14,204	6,131
Algeria -----	21,502	9,430	5,826	1,228
Israel -----	12,714	9,397	7,717	11,079
All others-----	105,850	35,930	25,061	18,590
Total-----	1,111,818	781,354	624,526	527,694
Grand total-----	3,249,939	2,435,544	1,827,396	1,932,767

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy $\frac{1}{2}$ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	4,959	3,151	2,472	2,730
Austria -----	23,494	13,811	5,613	15,683
Brazil -----	41,170	36,362	30,690	28,196
Czechoslovakia -----	3,472	2,779	1,277	683
East Germany -----	4,115	2,763	1,936	756
EC countries -----	346,165	330,377	254,051	271,247
Finland -----	5,624	2,987	2,589	1,450
Hungary -----	266	517	517	0
Japan -----	597,887	378,193	266,561	281,752
Mexico -----	71,872	74,372	56,183	54,793
Peoples Rep of China -----	7,066	360	32	0
Poland -----	3,115	2,105	2,036	1,892
Romania -----	11,018	5,411	3,770	4,817
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	239,742	176,982	129,999	131,448
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	7,535	8,737	6,086	13,997
Yugoslavia -----	2,036	946	464	2,578
Total-----	1,369,536	1,039,853	764,276	812,022
Other countries:				
Canada -----	266,692	281,447	223,373	195,207
Argentina -----	76,641	51,423	43,440	39,852
Taiwan -----	39,591	28,827	22,511	23,829
Thailand -----	58,119	14,718	14,706	1,961
Singapore -----	19,833	13,215	10,520	5,844
India -----	20,173	11,846	9,219	6,345
Sweden -----	23,510	23,653	16,052	15,438
Turkey -----	14,568	6,678	5,828	2,716
Algeria -----	5,957	2,531	1,384	452
Israel -----	6,218	4,759	3,939	5,086
All others -----	48,029	17,951	12,786	9,797
Total-----	579,331	457,048	363,758	306,527
Grand total-----	1,948,867	1,496,901	1,128,034	1,118,549

$\frac{1}{2}$ 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 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	282,061	274,550	234,857	227,184
Austria -----	134,200	82,507	50,040	70,362
Brazil -----	1,468,033	1,382,924	1,112,680	968,202
Czechoslovakia -----	37,280	25,660	7,100	6,577
East Germany -----	92,234	55,867	45,701	40,668
EC countries-----	6,147,884	5,530,746	4,078,328	3,745,160
Finland -----	204,209	213,588	142,399	155,747
Hungary -----	30,094	28,420	22,559	24,278
Japan -----	4,277,647	3,602,047	2,761,018	2,298,007
Mexico -----	478,207	451,951	357,742	479,203
Peoples Rep of China -----	68,735	61,850	40,386	46,896
Poland -----	89,325	72,268	42,982	26,449
Romania -----	102,530	49,436	33,793	21,394
Republic of South Africa -----	1,693	756	698	965
Korea, Republic of -----	1,560,497	1,178,972	834,113	1,100,810
Trinidad and Tobago -----	31,380	48,028	32,696	56,549
Venezuela -----	169,376	173,574	74,923	146,364
Yugoslavia -----	12,734	8,219	5,596	20,081
Total-----	15,188,119	13,241,363	9,877,611	9,434,896
Other countries:				
Canada -----	3,373,766	3,159,739	2,453,093	2,446,830
Argentina -----	557,969	227,661	186,359	156,993
Sweden -----	522,294	212,323	171,831	204,014
Turkey -----	307,985	211,804	171,395	111,123
Taiwan -----	243,886	159,725	126,621	153,529
India -----	99,714	104,994	75,446	66,925
Norway -----	181,502	90,181	68,501	13,565
Singapore -----	153,163	78,598	65,839	23,743
New Zealand -----	88,979	78,564	66,366	80,388
Indonesia -----	281,142	69,342	54,588	23,773
All others-----	512,272	191,835	138,319	88,824
Total-----	6,322,672	4,584,766	3,578,358	3,369,707
Grand total-----	21,510,791	17,826,129	13,455,969	12,804,603

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued}

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	118,320	126,499	103,698	88,801
Austria -----	70,268	52,952	33,765	44,188
Brazil -----	451,458	455,362	362,057	267,882
Czechoslovakia -----	11,986	8,844	2,621	1,927
East Germany -----	31,334	18,908	15,365	12,344
EC countries -----	2,702,007	2,591,992	1,916,314	1,711,499
Finland -----	81,482	83,209	57,263	54,603
Hungary -----	8,600	9,155	7,311	6,972
Japan -----	2,386,680	2,160,017	1,638,222	1,433,530
Mexico -----	220,745	216,702	164,062	209,072
Peoples Rep of China -----	27,385	34,364	23,234	25,904
Poland -----	29,711	25,514	15,187	9,697
Romania -----	36,033	17,347	12,110	7,484
Republic of South Africa -----	1,487	590	551	753
Korea, Republic of -----	743,129	604,322	416,832	522,926
Trinidad and Tobago -----	8,400	14,695	10,191	15,757
Venezuela -----	53,667	61,595	31,054	54,113
Yugoslavia -----	5,925	3,419	2,380	8,010
Total -----	6,988,617	6,485,486	4,812,217	4,475,462
Other countries:				
Canada -----	1,593,962	1,559,576	1,213,552	1,124,001
Argentina -----	221,780	109,850	90,071	75,456
Sweden -----	221,486	141,425	108,971	112,792
Turkey -----	93,038	65,996	54,013	35,587
Taiwan -----	109,041	90,727	70,489	83,729
India -----	42,731	42,851	30,033	27,097
Norway -----	55,371	33,914	24,852	8,339
Singapore -----	50,360	31,647	25,033	12,665
New Zealand -----	35,993	41,302	33,232	33,455
Indonesia -----	81,687	24,707	19,036	9,862
All others -----	192,526	89,098	66,164	50,221
Total -----	2,697,975	2,231,093	1,735,446	1,573,204
Grand total -----	9,686,592	8,716,579	6,547,663	6,048,666

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 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	73	0	0	0
Brazil -----	1,683	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	10,624	13,995	11,733	19,636
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,935	698	698	644
Mexico -----	0	176	102	264
Peoples Rep of China -----	0	0	0	0
Poland -----	74	293	267	42
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	0	0	85
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	14,389	15,162	12,800	20,671
Other countries:				
Canada -----	33,527	36,556	29,704	19,707
Sweden -----	14,491	10,403	6,940	10,490
Taiwan -----	0	1/	1/	1/
Israel -----	0	1/	1/	0
Total-----	48,018	46,959	36,644	30,197
Grand total-----	62,407	62,121	49,444	50,868

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	234	0	0	0
Brazil -----	542	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	13,120	12,572	8,812	17,248
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,906	1,413	1,410	894
Mexico -----	0	448	260	621
Peoples Rep of China -----	0	0	0	0
Poland -----	102	532	473	95
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	0	0	0	86
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	16,904	14,965	10,955	18,944
Other countries:				
Canada -----	52,871	68,918	57,517	28,067
Sweden -----	23,240	23,075	16,592	17,330
Taiwan -----	0	16	16	8
Israel -----	0	5	5	0
Hong Kong -----	0	2	2	0
Total-----	76,111	92,016	74,132	45,405
Grand total-----	93,015	106,981	85,087	64,349

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, 1988, 1989, and by specified periods, 1989 and 1990.

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	249	197	119	76
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	7,364	12,024	9,154	6,828
Finland -----	2,730	1,746	1,249	5,406
Hungary -----	0	0	0	0
Japan -----	2,225	1,542	1,327	1,939
Mexico -----	0	4	4	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	125	10	5	486
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	12,693	15,523	11,858	14,735
Other countries:				
Sweden -----	2,779	2,014	1,414	1,022
Canada -----	371	177	136	163
Anguilla -----	5	0	0	0
Total-----	3,155	2,191	1,550	1,185
Grand total-----	15,848	17,714	13,408	15,920

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	953	915	527	274
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	15,635	35,694	26,575	16,400
Finland -----	6,147	4,883	3,639	10,927
Hungary -----	0	0	0	0
Japan -----	4,514	4,544	3,884	4,313
Mexico -----	0	3	3	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	50	24	13	802
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	27,299	46,063	34,641	32,716
Other countries:				
Sweden -----	6,775	5,970	4,229	2,824
Canada -----	889	425	346	294
Anguilla -----	9	0	0	0
Total-----	7,673	6,395	4,575	3,118
Grand total-----	34,972	52,458	39,216	35,834

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	9	0	0
Austria -----	29	16	12	7
Brazil -----	313	0	0	1,827
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	60,758	63,478	48,509	42,260
Finland -----	6,045	1,376	1,127	6,830
Hungary -----	0	0	0	0
Japan -----	22,393	45,581	31,406	29,914
Mexico -----	8,814	14,968	8,790	17,262
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	7,845	6,875	4,474	5,612
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	5	0	0	0
Yugoslavia -----	0	0	0	20
Total-----	106,202	132,303	94,318	103,732
Other countries:				
Sweden -----	8,433	5,978	4,426	4,025
Canada -----	3,838	2,234	1,941	1,865
Singapore -----	0	4	0	8
India -----	90	0	0	2,347
Peru -----	2	0	0	0
Honduras -----	19	0	0	0
Total-----	12,382	8,216	6,367	8,245
Grand total-----	118,584	140,519	100,685	111,977

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	12	0	0
Austria -----	136	79	61	30
Brazil -----	480	0	0	3,132
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	122,326	138,830	107,923	80,544
Finland -----	13,459	3,850	3,178	13,998
Hungary -----	0	0	0	0
Japan -----	50,112	95,498	67,467	60,246
Mexico -----	16,454	33,463	21,832	33,271
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	17,343	16,561	11,562	9,775
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	21	0	0	0
Yugoslavia -----	0	0	0	32
Total -----	220,331	288,293	212,023	201,028
Other countries:				
Sweden -----	24,684	21,181	15,717	13,435
Canada -----	9,552	7,123	6,259	4,970
Singapore -----	0	17	0	36
India -----	172	0	0	4,380
Peru -----	26	0	0	0
Honduras -----	35	0	0	0
Total -----	34,469	28,321	21,976	22,821
Grand total -----	254,800	316,614	233,999	223,849

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	183	200	152	112
Brazil -----	3,827	4,497	3,256	2,196
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	12,705	10,400	7,363	7,967
Finland -----	0	0	0	1/
Hungary -----	0	0	0	0
Japan -----	16,715	20,286	14,538	12,625
Mexico -----	49	18	0	19
Peoples Rep of China -----	2	7	7	0
Poland -----	0	0	0	0
Romania -----	18	15	15	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,604	3,165	2,150	2,004
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	53
Total -----	35,103	38,588	27,481	24,976
Other countries:				
Sweden -----	3,708	2,727	1,743	2,292
Canada -----	1,641	1,711	867	3,815
India -----	224	214	110	735
Argentina -----	0	93	49	14
Taiwan -----	49	59	59	3
Switzerland -----	1/	13	9	11
Jordan -----	0	10	10	0
Indonesia -----	0	2	2	0
Singapore -----	0	1/	1/	0
Israel -----	0	1/	0	0
All others -----	1/	0	0	0
Total -----	5,622	4,829	2,849	6,870
Grand total -----	40,725	43,417	30,330	31,846

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	412	527	389	329
Brazil -----	5,743	10,550	7,664	5,336
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	29,888	30,443	22,121	21,458
Finland -----	0	0	0	2
Hungary -----	0	0	0	0
Japan -----	40,671	63,821	44,964	36,019
Mexico -----	163	33	0	39
Peoples Rep of China -----	40	32	32	0
Poland -----	0	0	0	0
Romania -----	30	27	27	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,389	9,017	6,182	4,869
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	132
Total -----	80,336	114,450	81,379	68,184
Other countries:				
Sweden -----	8,981	8,819	5,751	6,285
Canada -----	3,608	4,540	2,416	9,745
India -----	420	509	263	1,816
Argentina -----	0	169	87	28
Taiwan -----	162	166	166	9
Switzerland -----	1	92	50	45
Jordan -----	0	41	41	0
Indonesia -----	0	53	53	0
Singapore -----	0	2	2	0
Israel -----	0	4	0	0
All others -----	3	0	0	0
Total -----	13,175	14,395	8,829	17,928
Grand total -----	93,511	128,845	90,208	86,112

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	49	88	88	0
Brazil -----	964	809	788	528
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	8,877	10,582	8,162	8,972
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,483	6,087	4,739	4,136
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	375	336	222	799
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	17	0	0	0
Total -----	15,903	17,902	13,999	14,435
Other countries:				
Sweden -----	3,159	3,497	2,550	3,114
Canada -----	1/	284	223	103
Argentina -----	0	15	0	0
Taiwan -----	148	0	0	0
India -----	0	0	0	11
Total -----	3,307	3,796	2,773	3,228
Grand total -----	19,210	21,698	16,772	17,663

See footnote(s) at end of table.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	68	129	129	0
Brazil -----	1,543	1,991	1,710	1,003
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	23,039	30,861	24,128	22,414
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,611	16,226	12,856	9,217
Mexico -----	0	0	0	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	552	796	505	1,685
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	22	0	0	0
Total-----	37,037	50,003	39,328	34,319
Other countries:				
Sweden -----	7,916	11,170	8,328	8,052
Canada -----	2	787	623	288
Argentina -----	0	26	0	0
Taiwan -----	328	0	0	0
India -----	0	0	0	30
Total-----	8,246	11,983	8,951	8,370
Grand total-----	45,283	61,986	48,279	42,689

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	1/	1/	1/	1/
Austria -----	25	105	77	1/
Brazil -----	156	849	445	46
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	8,101	7,542	5,872	4,614
Finland -----	0	7	7	0
Hungary -----	0	0	0	0
Japan -----	4,719	4,796	3,675	2,594
Mexico -----	1	6	6	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	986	759	455	454
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3	0	0	0
Yugoslavia -----	0	3	3	0
Total-----	13,991	14,067	10,540	7,708
Other countries:				
Sweden -----	2,685	2,493	1,942	1,400
Canada -----	2,277	2,355	1,751	1,809
Taiwan -----	1,221	1,099	913	697
India -----	209	896	769	1,217
Switzerland -----	268	337	319	208
Thailand -----	0	71	0	159
Singapore -----	1/	1/	0	1/
Hong Kong -----	0	1/	1/	0
Chile -----	0	0	0	21
Total-----	6,660	7,251	5,694	5,511
Grand total-----	20,651	21,318	16,234	13,219

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	39	81	58	69
Austria -----	117	516	377	7
Brazil -----	304	2,069	1,097	180
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	24,922	28,620	22,132	17,672
Finland -----	0	58	58	0
Hungary -----	0	0	0	0
Japan -----	18,705	20,748	15,819	10,339
Mexico -----	6	3	3	0
Peoples Rep of China -----	0	0	0	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,044	3,042	1,843	1,713
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	11	0	0	0
Yugoslavia -----	0	4	4	0
Total -----	47,148	55,141	41,391	29,980
Other countries:				
Sweden -----	12,922	13,952	10,950	7,437
Canada -----	9,650	12,604	9,495	8,761
Taiwan -----	3,824	3,834	3,183	2,284
India -----	414	2,432	2,057	3,050
Switzerland -----	1,254	1,590	1,505	962
Thailand -----	0	274	0	562
Singapore -----	5	9	0	6
Hong Kong -----	0	4	4	0
Chile -----	0	0	0	19
Total -----	28,069	34,699	27,194	23,081
Grand total -----	75,217	89,840	68,585	53,061

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	23	0	0	0
Austria -----	756	664	506	622
Brazil -----	0	12	12	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	7,081	11,955	10,656	12,502
Finland -----	1/	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,365	9,327	6,994	5,800
Mexico -----	950	346	325	358
Peoples Rep of China -----	0	4	4	289
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	1/	1/	0
Korea, Republic of -----	392	684	413	2,083
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	17,567	22,992	18,910	21,654
Other countries:				
Canada -----	6,925	6,241	4,972	4,374
Sweden -----	5,253	4,208	3,286	2,447
Taiwan -----	6,809	3,135	2,093	5,996
Thailand -----	188	332	252	21
Singapore -----	0	315	79	755
Switzerland -----	1	16	7	5
Malaysia -----	0	13	13	0
India -----	4	5	5	51
Norway -----	0	1/	1/	1/
Israel -----	4	1/	1/	0
All others-----	1/	0	0	11
Total-----	19,184	14,265	10,707	13,660
Grand total-----	36,751	37,257	29,617	35,314

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	135	0	0	0
Austria -----	4,157	5,246	4,020	4,515
Brazil -----	0	54	54	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	27,461	45,286	38,280	35,479
Finland -----	1	0	0	0
Hungary -----	0	0	0	0
Japan -----	31,923	52,918	38,992	34,153
Mexico -----	2,891	1,195	1,110	1,613
Peoples Rep of China -----	0	12	12	767
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	4	4	0
Korea, Republic of -----	1,255	2,570	1,482	6,197
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	67,823	107,285	83,954	82,724
Other countries:				
Canada -----	24,048	30,786	23,895	21,721
Sweden -----	22,285	22,758	17,919	10,829
Taiwan -----	21,308	12,587	8,547	19,225
Thailand -----	458	874	624	55
Singapore -----	0	1,060	270	2,200
Switzerland -----	177	212	130	217
Malaysia -----	0	45	45	0
India -----	17	20	20	271
Norway -----	0	7	5	6
Israel -----	77	3	2	0
All others-----	2	0	0	27
Total -----	68,372	68,352	51,457	54,551
Grand total -----	136,195	175,637	135,411	137,275

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	18	18	380
Austria -----	2,538	2,709	2,137	2,046
Brazil -----	1,920	2,052	1,672	2,188
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries -----	12,825	16,254	11,429	10,735
Finland -----	5	0	0	0
Hungary -----	0	0	0	0
Japan -----	4,416	5,543	4,091	2,961
Mexico -----	346	137	88	7,824
Peoples Rep of China -----	103	167	158	60
Poland -----	249	225	213	194
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	779	1,167	966	669
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	68	0	215
Yugoslavia -----	0	0	0	0
Total-----	23,206	28,373	20,772	27,274
Other countries:				
Sweden -----	12,254	10,867	7,875	4,687
Canada -----	8,573	8,963	6,882	5,433
Argentina -----	42	98	70	42
Soviet Union -----	0	10	10	0
Israel -----	0	1/	0	0
India -----	19	1/	1/	22
Switzerland -----	1/	1/	1/	0
Philippines -----	0	0	0	66
Total-----	20,888	19,938	14,837	10,250
Grand total-----	44,094	48,311	35,609	37,524

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	41	41	845
Austria -----	6,561	7,507	5,827	6,202
Brazil -----	3,560	3,481	2,818	3,473
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries -----	23,213	31,615	22,749	24,491
Finland -----	15	0	0	0
Hungary -----	0	0	0	0
Japan -----	14,883	11,142	8,996	7,334
Mexico -----	434	183	122	2,200
Peoples Rep of China -----	149	219	205	95
Poland -----	468	567	521	575
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,303	1,979	1,565	1,394
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	86	0	299
Yugoslavia -----	0	0	0	0
Total -----	50,625	56,866	42,844	46,916
Other countries:				
Sweden -----	30,589	30,000	21,918	13,689
Canada -----	12,019	12,883	9,254	8,237
Argentina -----	65	165	125	76
Soviet Union -----	0	8	8	0
Israel -----	0	10	0	0
India -----	16	4	4	53
Switzerland -----	2	1	1	0
Philippines -----	0	0	0	191
Total -----	42,691	43,071	31,310	22,246
Grand total -----	93,316	99,937	74,154	69,162

1/ Less than 0.5 short ton.

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

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--September	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	24	28	19	381
Austria -----	3,901	3,979	3,092	2,863
Brazil -----	8,863	8,218	6,173	6,786
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries-----	128,336	146,230	112,877	113,514
Finland -----	8,780	3,128	2,383	12,236
Hungary -----	0	0	0	0
Japan -----	66,251	93,860	67,467	60,614
Mexico -----	10,160	15,654	9,314	25,727
Peoples Rep of China -----	106	178	170	349
Poland -----	323	518	480	237
Romania -----	18	15	15	0
Republic of South Africa ----	0	1/	1/	0
Korea, Republic of -----	12,105	12,998	8,686	12,191
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	7	68	0	215
Yugoslavia -----	17	3	3	73
Total-----	239,054	284,925	210,679	235,188
Other countries:				
Canada -----	57,153	58,521	46,477	37,269
Sweden -----	52,761	42,184	30,176	29,476
Taiwan -----	8,227	4,294	3,066	6,696
India -----	546	1,116	884	4,383
Thailand -----	188	403	252	180
Switzerland -----	270	366	335	224
Singapore -----	1/	320	80	763
Argentina -----	42	206	119	57
Malaysia -----	0	13	13	0
Soviet Union -----	0	10	10	0
All others-----	31	14	13	98
Total-----	119,488	107,447	81,425	79,146
Grand total-----	358,542	392,372	292,104	314,334

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--September	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	174	133	99	913
Austria -----	12,639	14,919	11,329	11,357
Brazil -----	12,173	18,144	13,342	13,125
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries -----	279,603	353,921	272,719	235,705
Finland -----	19,623	8,791	6,875	24,927
Hungary -----	0	0	0	0
Japan -----	175,325	266,312	194,386	162,514
Mexico -----	19,948	35,327	23,329	37,744
Peoples Rep of China -----	189	263	248	862
Poland -----	570	1,099	994	671
Romania -----	30	27	27	0
Republic of South Africa -----	0	4	4	0
Korea, Republic of -----	26,936	33,988	23,152	26,522
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	32	86	0	299
Yugoslavia -----	22	4	4	164
Total -----	547,505	733,064	546,508	514,811
Other countries:				
Canada -----	112,639	138,065	109,804	82,084
Sweden -----	137,391	136,924	101,403	79,881
Taiwan -----	25,622	16,604	11,913	21,526
India -----	1,039	2,965	2,344	9,600
Thailand -----	458	1,148	624	617
Switzerland -----	1,434	1,895	1,687	1,224
Singapore -----	5	1,088	272	2,242
Argentina -----	65	360	213	104
Malaysia -----	0	45	45	0
Soviet Union -----	0	8	8	0
All others -----	152	129	111	244
Total -----	278,805	299,231	228,424	197,522
Grand total -----	826,310	1,032,295	774,932	712,333

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, 1988, 1989, and by specified periods, 1989 and 1990

(Per short ton)

Item	1988	1989	January-September	
			1989	1990
Carbon and certain alloy 1/2 steel:				
Semifinished 2/3-----	240	259	258	229
Plate-----	405	400	403	375
Sheet and strip:				
Hot rolled-----	364	378	383	337
Cold rolled-----	509	546	550	515
Galvanized-----	552	587	581	590
Tin plate-----	567	613	612	617
Tin free-----	542	574	568	573
Other coated-----	590	616	608	635
Average, sheet and strip-----	481	511	513	489
Bar:				
Hot finished-----	406	454	450	466
Cold finished-----	598	658	649	691
Reinforcing-----	262	308	301	313
Light shapes-----	382	349	349	338
Average, bar-----	396	445	435	461
Wire rod-----	347	374	375	352
Wire-----	691	734	734	749
Wire products-----	659	928	921	984
Structural shapes and units:				
Heavy structurals-----	376	377	378	354
Fabricated structurals-----	939	1,129	1,109	1,325
Average, structurals-----	436	452	441	461
Rails and related products-----	383	471	497	407
Pipe and tube:				
Oil country tubular goods-----	730	743	753	727
Line pipe-----	529	563	578	511
Mechanical pipe-----	675	787	764	870
Structural pipe-----	507	563	565	539
Pressure tubing-----	793	1,021	988	1,272
Other (incl. standard)-----	487	520	516	503
Average, pipe and tube-----	600	615	617	579
Average, carbon and certain alloy 1/2 steel-----	450	489	487	472

See footnotes at end of table.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1988, 1989, and by specified periods, 1989 and 1990

(Per short ton)

Item	1988	1989	January-September	
			1989	1990
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished ^{2/}	1,490	1,722	1,721	1,265
Plate	2,207	2,962	2,925	2,251
Sheet and strip:				
Sheet	2,067	2,084	2,158	1,833
Strip	3,331	3,255	3,229	3,104
Average, sheet and strip:	2,149	2,253	2,324	1,999
Bars and shapes	2,296	2,968	2,974	2,704
Wire rod	2,357	2,857	2,879	2,417
Wire	3,642	4,214	4,225	4,014
Pipe and tube	3,706	4,714	4,572	3,887
Alloy tool steel (all forms)	2,116	2,069	2,082	1,843
Average, stainless and alloy steel	2,306	2,631	2,653	2,266

^{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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-September	
			1989	1990
Quantity (short tons)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	103,282	25,863	23,387	59,073
Blooms and billets-----	581,907	504,638	395,391	359,741
Slabs and sheet bars-----	2,097,383	1,605,189	1,274,176	1,252,525
Total-----	2,782,572	2,135,690	1,692,954	1,671,339
Plate:				
Carbon-----	1,750,917	1,312,364	926,614	994,134
Alloy-----	106,172	107,032	76,431	100,609
Total-----	1,857,090	1,419,396	1,003,046	1,094,743
Sheet and strip:				
Hot rolled:				
Sheet-----	2,199,268	1,835,755	1,332,790	1,403,979
Strip-----	49,553	110,452	83,468	77,184
Cold rolled:				
Black plate-----	145,166	144,642	112,890	108,122
Electrical-----	64,684	85,328	63,818	54,296
Other sheet-----	2,011,242	1,701,183	1,228,123	1,203,150
Other strip-----	126,534	112,196	85,745	87,131
Galvanized-----	1,948,811	1,625,227	1,173,262	1,238,311
Tin plate-----	294,552	337,330	260,506	242,746
Tin free-----	97,460	114,902	86,108	82,048
Other coated-----	248,111	235,827	184,426	149,082
Total-----	7,185,380	6,302,844	4,611,137	4,646,049
Bar:				
Hot rolled:				
Carbon-----	476,951	525,944	381,904	330,040
Alloy-----	186,902	238,912	198,196	150,431
Cold rolled:				
Carbon-----	161,345	118,180	94,006	67,507
Alloy-----	52,093	46,608	36,367	32,554
Reinforcing-----	357,253	233,733	215,190	116,420
Light structural shapes-----	126,568	100,927	85,967	62,761
Total-----	1,361,113	1,264,305	1,011,630	759,713

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-September	
			1989	1990
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,355,951	1,085,797	817,715	779,840
Alloy-----	118,672	42,620	34,334	12,742
Wire:				
Carbon-----	486,699	432,369	329,441	295,642
Alloy-----	33,028	40,615	30,322	30,727
Wire products:				
Nails-----	364,748	384,737	281,912	307,523
Barbed wire-----	15,538	12,440	9,939	12,794
Wire fencing-----	12,052	60,907	47,212	35,705
Bale ties-----	1,849	955	790	538
Wire strand-----	88,300	161,751	123,434	119,559
Wire rope-----	77,564	82,812	61,277	52,415
Milliners wire-----	12,400	0	0	1/
Total-----	2,566,801	2,305,004	1,736,378	1,647,485
Structurals:				
Heavy-----	1,955,762	1,477,782	1,221,899	720,681
Fabricated-----	232,705	162,579	114,808	89,045
Total-----	2,188,467	1,640,361	1,336,707	809,726
Rails and related products:				
Rails-----	260,006	244,236	170,813	209,318
Joint bars and tie plates-----	8,487	14,023	12,290	8,183
Track spikes-----	205	5,853	5,185	2,170
Wheels and axles-----	50,734	58,873	48,433	23,109
Total-----	319,432	322,985	236,720	242,780
Pipes and tubes:				
Oil country tubular goods-----	1,032,296	429,448	303,962	282,729
Line pipe-----	507,914	526,983	392,078	535,266
Mechanical pipe-----	382,270	281,056	239,133	138,553
Structural pipe-----	278,870	323,918	251,111	214,372
Pressure tubing-----	52,100	44,944	37,180	25,902
Other (including standard)-----	996,487	829,195	603,934	735,944
Total-----	3,249,937	2,435,544	1,827,398	1,932,766

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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-September	
			1989	1990
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	3,877	191	64	74
Blooms and billets-----	40,772	42,268	32,828	33,389
Slabs and sheet bars-----	17,758	19,663	16,552	17,405
Total-----	62,407	62,121	49,444	50,869
Plate-----	15,847	17,713	13,408	15,918
Sheet and strip:				
Sheet:				
Hot rolled-----	7,331	8,070	5,307	5,710
Cold rolled-----	103,577	112,191	79,785	91,631
Strip-----	7,676	20,258	15,591	14,636
Total-----	118,584	140,519	100,684	111,976
Bars and shapes-----	40,724	43,417	30,331	31,846
Wire rod-----	19,210	21,698	16,772	17,664
Wire-----	20,653	21,319	16,234	13,219
Pipe and tube-----	36,752	37,258	29,617	35,315
Alloy tool steel (all forms):				
Semifinished 2/-----	4,408	3,959	3,154	10,226
Bars-----	28,867	33,488	25,157	20,203
Other-----	10,820	10,866	7,302	7,097
Total-----	44,095	48,313	35,613	37,525

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, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-September	
			1989	1990
Share of product group totals (percent)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	3.71	1.21	1.38	3.53
Blooms and billets-----	20.91	23.63	23.36	21.52
Slabs and sheet bars-----	75.38	75.16	75.26	74.94
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	94.28	92.46	92.38	90.81
Alloy-----	5.72	7.54	7.62	9.19
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	30.61	29.13	28.90	30.22
Strip-----	0.69	1.75	1.81	1.66
Cold rolled:				
Black plate-----	2.02	2.29	2.45	2.33
Electrical-----	0.90	1.35	1.38	1.17
Other sheet-----	27.99	26.99	26.63	25.90
Other strip-----	1.76	1.78	1.86	1.88
Galvanized-----	27.12	25.79	25.44	26.65
Tin plate-----	4.10	5.35	5.65	5.22
Tin free-----	1.36	1.82	1.87	1.77
Other coated-----	3.45	3.74	4.00	3.21
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	35.04	41.60	37.75	43.44
Alloy-----	13.73	18.90	19.59	19.80
Cold rolled:				
Carbon-----	11.85	9.35	9.29	8.89
Alloy-----	3.83	3.69	3.59	4.29
Reinforcing-----	26.25	18.49	21.27	15.32
Light structural shapes-----	9.30	7.98	8.50	8.26
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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-September	
			1989	1990
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	52.83	47.11	47.09	47.34
Alloy-----	4.62	1.85	1.98	0.77
Wire:				
Carbon-----	18.96	18.76	18.97	17.95
Alloy-----	1.29	1.76	1.75	1.87
Wire products:				
Nails-----	14.21	16.69	16.24	18.67
Barbed wire-----	0.61	0.54	0.57	0.78
Wire fencing-----	0.47	2.64	2.72	2.17
Bale ties-----	0.07	0.04	0.05	0.03
Wire strand-----	3.44	7.02	7.11	7.26
Wire rope-----	3.02	3.59	3.53	3.18
Milliners wire-----	0.48	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	89.37	90.09	91.41	89.00
Fabricated-----	10.63	9.91	8.59	11.00
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	81.40	75.62	72.16	86.22
Joint bars and tie plates-----	2.66	4.34	5.19	3.37
Track spikes-----	0.06	1.81	2.19	0.89
Wheels and axles-----	15.88	18.23	20.46	9.52
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	31.76	17.63	16.63	14.63
Line pipe-----	15.63	21.64	21.46	27.69
Mechanical pipe-----	11.76	11.54	13.09	7.17
Structural pipe-----	8.58	13.30	13.74	11.09
Pressure tubing-----	1.60	1.85	2.03	1.34
Other (including standard)-----	30.66	34.05	33.05	38.08
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, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January-September	
			1989	1990
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	6.21	0.31	0.13	0.15
Blooms and billets-----	65.33	68.04	66.39	65.64
Slabs and sheet bars-----	28.45	31.65	33.48	34.22
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Sheet:				
Hot rolled-----	6.18	5.74	5.27	5.10
Cold rolled-----	87.34	79.84	79.24	81.83
Strip-----	6.47	14.42	15.49	13.07
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/} -----	10.00	8.19	8.86	27.25
Bars-----	65.47	69.31	70.64	53.84
Other-----	24.54	22.49	20.50	18.91
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, 1988, 1989, and by
specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-September	
			1989	1990
Atlantic Coast	4,743,215	3,510,909	2,818,445	2,210,658
Great Lakes-Canadian border	6,342,613	5,688,226	4,111,433	3,976,282
Gulf Coast-Mexican border	5,938,464	4,561,954	3,505,432	3,473,537
Off-shore	403,506	371,695	303,220	221,674
Pacific Coast	4,441,267	4,085,702	3,009,543	3,236,783
Total	21,869,065	18,218,486	13,748,073	13,118,935

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-September	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	471,964	323,401	254,221	130,956
Plate-----	331,537	216,546	166,202	160,698
Sheet and strip-----	1,771,637	1,281,884	1,023,215	879,106
Bars and certain shapes-----	220,708	155,134	128,624	79,722
Wire rod-----	297,606	215,013	160,677	148,853
Wire-----	108,857	88,009	68,012	56,983
Wire products-----	220,011	237,679	181,810	171,330
Structural shapes and units--	602,240	458,130	398,962	153,450
Rails and related products--	36,885	35,669	22,312	20,604
Pipe and tube-----	523,784	340,606	292,393	279,600
Total-----	4,585,229	3,352,071	2,696,427	2,081,302
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	24,249	14,669	11,341	18,281
Plate-----	6,134	8,900	6,875	7,078
Sheet and strip-----	45,874	47,438	36,415	40,583
Bars and certain shapes-----	22,371	22,418	16,532	13,687
Wire rod-----	13,526	16,289	12,600	13,271
Wire-----	10,593	11,848	8,804	6,979
Pipe and tube-----	12,391	14,468	11,977	14,653
Tool steel (all forms)-----	22,848	22,807	17,474	14,823
Total-----	157,986	158,838	122,018	129,356
Grand Total-----	4,743,215	3,510,909	2,818,445	2,210,658

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-September	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	414,978	393,604	307,897	259,277
Plate-----	723,681	551,017	361,263	409,949
Sheet and strip-----	2,396,464	2,145,556	1,476,839	1,467,812
Bars and certain shapes-----	625,771	650,140	485,387	420,382
Wire rod-----	545,070	466,968	352,388	325,484
Wire-----	253,271	230,319	178,678	162,446
Wire products-----	83,750	106,485	81,177	79,430
Structural shapes and units-----	522,423	375,682	273,095	297,712
Rails and related products-----	179,981	161,932	122,408	130,081
Pipe and tube-----	488,579	492,836	385,352	349,626
Total-----	6,233,970	5,574,539	4,024,485	3,902,201
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	34,966	36,980	30,128	19,775
Plate-----	3,246	2,652	1,900	3,920
Sheet and strip-----	33,923	35,682	26,917	22,465
Bars and certain shapes-----	4,098	4,337	2,491	6,252
Wire rod-----	661	822	632	758
Wire-----	6,053	5,832	4,459	3,574
Pipe and tube-----	7,833	7,190	5,657	5,664
Tool steel (all forms)-----	17,864	20,192	14,764	11,674
Total-----	108,644	113,688	86,949	74,082
Grand Total-----	6,342,613	5,688,226	4,111,433	3,976,282

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 35.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Gulf Coast-Mexican border customs area, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-September	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	1,061,770	684,289	573,966	486,682
Plate-----	567,614	439,139	319,736	429,460
Sheet and strip-----	1,558,244	1,316,891	1,018,404	897,820
Bars and certain shapes-----	137,056	157,610	132,143	89,937
Wire rod-----	349,946	220,248	173,405	173,592
Wire-----	64,524	61,675	46,409	44,016
Wire products-----	105,823	138,125	98,844	133,580
Structural shapes and units-----	493,074	323,672	263,643	162,259
Rails and related products-----	64,016	81,408	60,495	40,749
Pipe and tube-----	1,493,874	1,070,870	771,237	943,297
Total-----	5,895,942	4,493,927	3,458,281	3,401,393
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	3,131	10,462	7,975	12,810
Plate-----	3,233	4,000	2,855	2,438
Sheet and strip-----	16,038	30,331	19,177	28,947
Bars and certain shapes-----	6,668	7,646	5,212	5,852
Wire rod-----	1,220	1,735	1,409	1,548
Wire-----	606	1,144	852	1,718
Pipe and tube-----	10,896	11,123	9,022	8,957
Tool steel (all forms)-----	730	1,585	649	9,874
Total-----	42,523	68,027	47,151	72,144
Grand Total-----	5,938,464	4,561,954	3,505,432	3,473,537

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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-September	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	3/	0	0	3/
Plate-----	13,906	7,984	4,349	4,081
Sheet and strip-----	72,445	77,155	51,871	76,599
Bars and certain shapes-----	157,820	169,928	161,372	85,514
Wire rod-----	16,953	5,174	5,174	11,104
Wire-----	14,739	11,407	9,189	7,903
Wire products-----	10,190	6,070	4,845	5,843
Structural shapes and units-----	21,786	28,269	23,863	9,399
Rails and related products-----	88	333	301	539
Pipe and tube-----	93,829	64,215	41,127	20,607
Total-----	401,758	370,534	302,090	221,590
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	0	0	0	0
Plate-----	3/	1	1	0
Sheet and strip-----	0	36	36	15
Bars and certain shapes-----	15	3/	3/	0
Wire rod-----	0	0	0	0
Wire-----	1,690	810	779	43
Pipe and tube-----	42	18	18	8
Tool steel (all forms)-----	0	295	295	19
Total-----	1,748	1,161	1,130	84
Grand Total-----	403,506	371,695	303,220	221,674

- 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, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

Item	1988	1989	January-September	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	833,859	734,396	556,870	794,424
Plate-----	220,352	204,710	151,496	90,554
Sheet and strip-----	1,386,590	1,481,358	1,040,808	1,324,712
Bars and certain shapes-----	219,758	131,492	104,103	84,158
Wire rod-----	265,048	221,015	160,406	133,549
Wire-----	78,336	81,573	57,475	55,021
Wire products-----	152,677	215,243	157,889	138,351
Structural shapes and units---	548,943	454,608	377,144	186,906
Rails and related products---	38,461	43,644	31,205	50,807
Pipe and tube-----	649,871	467,017	337,291	339,635
Total-----	4,393,893	4,035,056	2,974,686	3,198,116
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	61	10	0	3
Plate-----	3,233	2,159	1,776	2,481
Sheet and strip-----	22,749	27,032	18,138	19,967
Bars and certain shapes-----	7,573	9,015	6,096	6,055
Wire rod-----	3,803	2,852	2,132	2,087
Wire-----	1,711	1,685	1,340	905
Pipe and tube-----	5,590	4,459	2,943	6,033
Tool steel (all forms)-----	2,653	3,433	2,432	1,135
Total-----	47,373	50,646	34,857	38,667
Grand Total-----	4,441,267	4,085,702	3,009,543	3,236,783

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

ONE HUNDRED FIRST CONGRESS
DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

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COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES
WASHINGTON, DC 20515

REC-6
NOV 27 1989

November 27, 1989

ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILLIP D. MOSELEY, MINORITY CHIEF OF STAFF

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

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Appendix B

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

the order, *viz.*, a previous denial of entry, no longer existed.

This action is taken under the authority of section 337 of the Tariff Act of 1930 (19 U.S.C. 1337). The provisions of 19 CFR 211.57(b) with respect to serving notice on all former parties to Inv. No. 337-TA-276 and allowing a period of 30 days for the filing of answers were waived by the Commission in accordance with 19 CFR 201.4(b).

By order of the Commission.

Issued: December 28, 1989.

Kenneth R. Mason,
Secretary.

[FR Doc. 90-197 Filed 1-3-90; 8:45 am]

BILLING CODE 7520-02-01

[Investigation No. 701-TA-301
(Preliminary)]

Plastic Tubing Corrugators From Canada

Determination

On the basis of the record¹ developed in the subject investigation, the Commission determines,² pursuant to section 703(a) of the Tariff Act of 1930 (19 U.S.C. 1671b(a)), that there is no reasonable indication that an industry in the United States is materially injured, or is threatened with material injury, or the establishment of an industry in the United States is materially retarded, by reason of imports from Canada of plastic tubing corrugators, provided for in subheadings 8477.30.00 and 8477.40.00 of the Harmonized Tariff Schedule of the United States (formerly provided for in items 678.3535 and 678.3545 of the Tariff Schedules of the United States), that are alleged to be subsidized by the Government of Canada.

Background

On November 7, 1989, a petition was filed with the Commission and the Department of Commerce by Cullom Machine Tool & Die, Inc., Cleveland, TN, alleging that an industry in the United States is materially injured by reason of subsidized imports of plastic tubing corrugators and apparatus therefor from Canada. Accordingly, effective November 7, 1989, the Commission instituted preliminary countervailing duty investigation No. 701-TA-301 (Preliminary).

Notice of the institution of the Commission's investigation and of a

¹ The record is defined in § 207.2(b) of the Commission's Rules of Practice and Procedure (19 CFR 207.2(b)).

² Chairman Brunedale and Vice Chairman Cass dissenting.

public conference to be held in connection therewith was given by posting copies of the notice in the Office of the Secretary, U.S. International Trade Commission, Washington, DC, and by publishing the notice in the Federal Register of November 15, 1989 (54 F.R. 47583). The conference was held in Washington, DC, on November 28, 1989, and all persons who requested the opportunity were permitted to appear in person or by counsel.

The Commission transmitted its determination in this investigation to the Secretary of Commerce on December 22, 1989. The views of the Commission are contained in USITC publication 2246 (December 1989), entitled "Plastic Tubing Corrugators from Canada: Determination of the Commission in Investigation No. 701-TA-301 (Preliminary) Under the Tariff Act of 1930, Together With the Information Obtained in the Investigation."

By order of the Commission.

Issued: December 28, 1989.

[FR Doc. 90-203 Filed 1-3-90; 8:45 am]

BILLING CODE 7520-02-01

[332-228]

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. 332-228, 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, 1988 (51 FR 15396).

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.

Issued: December 29, 1989.

Kenneth R. Mason,

Secretary.

[FR Doc. 90-195 Filed 1-3-90; 8:45 am]

BILLING CODE 7520-02-01

[Investigation No. 337-TA-290]

Certain Wire Electrical Discharge Machining Apparatus and Components Thereof; Commission Decision Not to Review an Initial Determination Terminating Two Respondents on the Basis of a Consent Order; Issuance of Consent Order

AGENCY: U.S. International Trade Commission.

ACTION: Notice.

SUMMARY: Notice is hereby given that the U.S. International Trade Commission has determined not to review an initial determination (ID) (Order No. 8) issued by the presiding administrative law judge (ALJ) granting a joint motion for termination of the investigation with respect to respondents Maruka Machinery Co., Ltd. and Maruka Machinery Corporation of America.

FOR FURTHER INFORMATION CONTACT: Craig L. McKee, Esq., Office of the General Counsel, U.S. International Trade Commission, 500 E Street, SW., Washington, DC 20436, telephone 202-252-1117. Hearing-impaired individuals are advised that information on this matter can be obtained by contacting the Commission TDD terminal on 202-252-1810.

Appendix C

**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).

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.

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 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, 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, 7225.40.1015, 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, 7219.12.0030, 7219.12.0060, 7219.12.0080, 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, 7208.13.5000, 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, 7225.30.5030, 7225.40.5030, 7225.30.7000, 7225.40.7000, 7225.91.1030 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, 7211.29.7030, 7211.29.7060, 7211.29.7090, 7226.91.3030, 7226.91.7000, 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, 7209.42.0000, 7209.43.0000, 7209.44.0000, 7210.70.3000, 7225.50.1030, 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, 7226.92.1030, 7226.92.3030, 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, 7210.70.6030, 7210.70.6060, 7212.21.0000, 7212.29.0000, 7212.30.1030, 7212.30.1090, 7212.30.3000, 7212.30.5000 of the HTS.

(E) Tin plate; provided for in items 7210.11.0000, 7210.12.0000, 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, 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, 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, 7219.33.0015, 7219.33.0030, 7219.33.0045, 7219.33.0060, 7219.34.0010, 7219.34.0050, 7219.35.0010, 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, 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 7215.10.0000, 7215.20.0000, 7215.30.0000, 7215.40.0000 7215.90.3000, 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, 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, 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, 7228.70.3080 of the HTS, and included in AISI product group No. 14A.

(vii) Stainless steel bars and shapes; provided for in items 7221.00.0060, 7221.00.0080, 7222.10.0000, 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, 7213.50.0080 of the HTS.

(B) Alloy steel wire rod; provided for in items 7227.90.1030, 7227.90.2030, 7228.30.2000, 7228.50.1010, 7228.60.1030 of the HTS.

(C) Stainless steel wire rod; provided for in items 7221.00.0020, 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, 7217.39.5000 of the HTS.

(B) Alloy steel wire; provided for in items 7229.20.0000, 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, 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, 7317.00.5590, 7317.00.7500, 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, 7314.41.0000, 7314.41.0030, 7314.41.0060, 7314.42.0000, 7314.42.0030, 7314.42.0060, 7314.49.3000, 7314.49.6000, 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, as provided for in items 7312.10.1030, 7312.10.1050, 7312.10.1060, 7312.10.1070, 7312.10.3005, 7312.10.3010, 7312.10.3012, 7312.10.3015, 7312.10.3020, 7312.10.3065, 7312.10.3070, 7312.10.3074, 7312.10.3075, 7312.10.3080, 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, 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, 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 7302.10.10, 7302.10.1015, 7302.10.1020, 7302.10.1025, 7302.10.1035, 7302.10.1040, 7302.10.1045, 7302.10.0055, 7302.10.1060, 7302.10.1065, 7302.10.1075, 7302.10.1080, 7302.10.5000, 7302.10.5020, 7302.10.5040, 7302.10.5060 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, 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, 7304.51.0000, 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, 7306.30.5060, 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, 7304.90.3000, 7305.31.2000, 7305.31.4000, 7305.31.6000, 7306.30.3000, 7306.50.3000, 7306.60.1000, 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, 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, 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 7304.39.0010, 7304.39.0015, 7304.39.0025, 7304.39.0030, 7304.39.0040, 7304.39.0060, 7304.39.0070, 7304.39.0090, 7305.39.1000, 7305.39.5000, 7305.90.1000, 7305.90.5000, 7306.30.5025, 7306.30.5028, 7306.30.5030, 7306.30.5032, 7306.30.5040, 7306.30.5050, 7306.30.5055, 7306.30.5065, 7306.30.5070, 7306.30.5080, 7306.30.5085, 7306.30.5090, 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, 7225.30.5060, 7225.40.1090, 7225.40.5060, 7225.50.1060, 7226.20.0000, 7226.91.1060, 7226.91.3060, 7226.92.1060, 7226.92.3060, 7227.10.0000, 7227.90.1060, 7227.90.2060, 7228.10.0010, 7228.10.0030, 7228.10.0060, 7228.30.4000, 7228.30.6000, 7228.50.1020, 7228.50.1040, 7228.50.1060, 7228.50.1080, 7228.60.1060, 7229.10.0000 of the HTS.

Alloy tool steel is included in AISI product group No. 17. Please refer to Notes section for further explanation.

