

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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United States International Trade Commission
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Monthly Review: Conditions and Modernization in the Canadian Steel Industry

Background

Although the U.S. and Canadian steel industries are closely related, there are, nonetheless, significant differences. The differences were apparent during the 1980s, as the Canadian industry underwent far less restructuring than its U.S. counterpart.¹ This was largely due to the Canadian industry's higher percentage of more modern facilities at the outset of the decade, lower incidence of excess capacity, better financial performance, and relative stability in output, when compared to the U.S. steel industry.

The Canadian steel industry has traditionally adopted a relatively conservative approach to capacity expansion when compared to many of its international competitors, a philosophy that served it well when markets weakened in the early 1980s. At the same time, however, the industry has moved relatively quickly to adopt new technologies to enhance its competitive position. Current modernization projects include a wide range of activities, but are concentrated on improving operations affecting melting and casting operations and coating facilities. Although further rationalization of the industry is likely in certain areas, its adjustment efforts over the past few years seem to have allowed it to maintain its global competitive position.

Industry conditions²

The Canadian steel industry, which is about one-sixth the size of the U.S. industry, produced 16.9 million tons of raw steel in 1989, making it the 11th largest steel producer in the world.³ Although this was the highest output level in the 1980s, it is relatively close to production levels over the past six years, which averaged 16.2 million short tons. The industry's continuously cast ratio increased to 77 percent in 1989, capping a steady rise from a ratio of only 26 percent in 1980. The current level places the industry ahead of the U.S. industry's 65 percent ratio, but behind that of other major competitors such as Japan (94 percent) and West Germany (90 percent)⁴.

The Canadian industry experienced a major decline in employment between 1981 and 1982, as the number of workers fell from 53,000 to 43,000. Since then, employment has fluctuated in a narrow band (between 41,000 and 44,000), until weakening demand at the end of 1989 resulted in layoffs at several firms and a fall in employment to 39,100 workers. Average employment in the Canadian

¹ For example, between 1981 and 1987, employment in the Canadian industry fell 21 percent while employment in the U.S. industry fell 58 percent.

² Except where noted, data are from "Steel Facts 1989", published by the Canadian Steel Producers Association.

³ Steel Statistical Yearbook, 1989, International Iron and Steel Institute.

⁴ Compiled from statistics of the American Iron and Steel Institute and the International Iron and Steel Institute.

steel industry is expected to be lower in 1990, since the unionized workers at Stelco and Algoma, two major producers, went on strike as of August 1, 1990. Wages and limits on the use of outside contractors are reported to be the major issues. Discussions at Algoma were discontinued at the end of August and negotiators at Stelco broke off their dialogue at the end of September. Stelco has indicated that a long strike may result in the permanent shutdown of certain operations.⁵ Dofasco, a nonunion producer,⁶ and U.S. integrated firms appear to be most advantageously positioned to benefit from the labor problems as consumers seek out alternative supply sources. Labor contracts at IPSCO and Slater, two relatively small producers, are due to expire at the end of October 1990, raising the possibility of more labor unrest before the end of the year.

Trade

Canadian steel companies have always maintained a higher export-to-shipment ratio than their U.S. counterparts; the greater reliance on exports has insulated them to some extent from domestic demand fluctuations. Canadian steel exports in 1989 of 4.36 million tons accounted for 30 percent of shipments, compared to U.S. exports of 4.58 million tons, which represented 5.4 percent of shipments. Through the first six months of 1990, exports were four percent above the same period of 1989, but are likely to decline throughout the rest of the year in light of the strikes noted above. The United States has always been Canada's primary export destination, although recent trends indicate a growing importance of sales to other foreign countries. Exports to the U.S. market accounted for 71 percent of total exports (2.98 million tons) in 1989, down from 84-86 percent prevailing from 1983-88.⁷

Canadian imports of steel fell 21 percent in 1989 from 1988's record high for the decade, declining from 2.99 million tons to 2.35 million tons. However, this decline is expected to be reversed in 1990 in light of the strikes noted above.

Capital investment

As in the steel industries of other industrialized countries, Canadian steel investment is being focused on facilities that will improve the quality and

⁵ "Stelco cuts dividend, salaries of top execs," American Metal Market, Sept. 20, 1990 p. 2.

⁶ Dofasco owns Algoma, but operates the production facilities of the two companies as separate entities. Dofasco ranks as the largest steel company in Canada if Algoma's operations are included, and as the second largest if those facilities are excluded.

⁷ Through June 1990, U.S. imports from Canada were down three percent and exports to Canada were up 8 percent, compared to the respective period of 1989. While the strikes at Algoma and Stelco continue this shift in trade should continue to strengthen.

value of the industry's products; investment levels (measured per ton of raw steel production) have exceeded those of the United States in recent years. Capital investment in 1989 by Canadian steel companies for purchasing and installing new steelmaking equipment totaled \$477 (C\$563) million;⁸ several major projects currently underway are expected to result in higher investment levels in 1990. Although most of the Canadian industry raises their investment funds on the open market, Sydney Steel Co. (Sysco) is owned by the Province of Nova Scotia and virtually all of the funds for its recently completed modernization program have been provided by government entities.⁹

As in the United States, Canadian steelmakers are focusing much of their investment on the hot end¹⁰ of their processes (table i). Electric arc furnaces, which convert scrap or direct reduced iron to molten steel, have been replaced or improved over the last two years by seven companies. Nine ladle metallurgy facilities, which will provide improvements in quality, production flexibility, and melting capacity, were upgraded or installed, and work proceeded on eight continuous casters, including two completely new machines. Repairs, relines, and improvements to the ironmaking facilities of Dofasco, Algoma, and Sidbec-Dosco were completed as well.

Unlike the United States, where considerable work is currently underway on facilities that produce hot rolled sheet products (i.e., hot strip mills), major recent improvements to hot strip mills in Canada were limited to relatively minor expenditures at two facilities, IPSCO's Regina works and Stelco's Hilton facility. This difference in the two industries' expenditure patterns is due in large part to the fact that extensive expenditures on hot strip mills, including the commissioning of the newest such mill in North America, were undertaken in the early 1980s by Dofasco and Stelco. Two companies are installing advanced mills for the cold rolling of sheet products. Dofasco is spending over \$410 million on an advanced continuous cold-rolling complex and Sidbec-Dosco is installing a new high-precision cold rolling mill. Additional investment was made in rolling mills producing bars, rods, structurals, pipe, and rails.

Canadian steelmakers did not invest in electrogalvanizing facilities as many major global competitors did over the past several years, a decision which in retrospect appears to be cost effective given the lower costs and recently improved acceptance of hot-dipped galvanized steel by major North American automakers. However, in recognition of the growth in galvanized steel consumption, three new joint venture hot-dip galvanizing projects are being

⁸ "Steel Facts 1989", Canadian Steel Producers Association. Maintenance expenditures for steelmaking operations are estimated by Commission staff to be in the vicinity of \$200-\$300 million.

⁹ As a result of a case filed in September 1988, U.S. imports from Sysco are currently subject to countervailing duties of 94.57 percent.

¹⁰ The hot end includes operations up through and including the initial casting of solid forms (e.g., coke ovens, blast furnaces, direct reduction furnaces, steelmaking furnaces, and continuous casting equipment).

built which will almost double galvanizing capacity in Canada. Dofasco and Sidbec-Dosco have joined forces to form a new company (50/50 ownership), called Sorevco, which is constructing a 125,000 tons-per-year (tpy) facility at a cost of about \$42 (C\$50) million. Stelco and Mitsubishi Canada Ltd. are constructing a 350,000 tpy facility (60/40 ownership), located at Stelco's Hamilton works, at a cost of \$200 million. Finally, Dofasco, National Steel (Pittsburgh, PA), and NKK (Japan) plan to spend \$200 million to construct a 400,000 tpy facility (50/10/40 ownership) at a location yet to be announced, but expected by industry sources to be somewhere in southern Ontario.

Mark Paulson
252-1432

Table i.--Selected recent and current capital investment projects in the Canadian Steel industry.

Process Area	Company	Project	Scheduled Completion	Estimated cost (US\$ million)
Ironmaking	Algoma	Blast furnace upgrade/reline	1989	1/
	Algoma	Coke oven repair/improvement	1989	25
	Dofasco	Blast furnace repair	1989	1/
	Sidbec-Dosco	DRI furnace reline	1989	1/
	Stelco	Blast furnace reline	1991	1/
Steelmaking	Atlas	Major rebuild of electric furnace	1989	1/
	Coutrice	Melt shop upgrade (new slag tunnel)	1990	0.8
	IPSCO	Upgrade electric arc furnaces	1/	1/
	Ivaco	Upgraded electric arc furnaces	1989	1/
	Lasco	Electric arc furnace upgrade	1989	1/
	MRM	New electric arc furnace	1990	6
	MRM	New oxygen plant	1990	2.5
	Stelco	New electric arc furnace (McMaster)	1989	1/
	Sysco	New electric arc furnace	1990	1/
Secondary Refining	Atlas	New vacuum arc remelt furnace	1989	1/
	Atlas	New vacuum degasser	1990	1/
	Algoma	Two new ladle refining stations	1990/92	1/
	Lasco	New ladle refining unit	1990	1/
	MRM	New ladle refining station	1990	1/
	Stelco	New vacuum degasser (Lake Erie)	1989	60
	Stelco	New ladle met. facility (McMaster)	1989	1/
	Sysco	New ladle treatment facility	1990	1/
	Sysco	New vacuum degasser	1990	1/
Casting	Atlas	Continuous caster upgrade	1989	1/
	Atlas	New high speed billet inspection line	1989	1/
	Coutrice	Caster upgrade/billet cooling bed	1991	0.9
	Algoma	New 500,000 ton per year bloom caster	1992	1/
	IPSCO	Caster improvement/ new starter bar	1989	1/
	Ivaco	New caster control equipment	1989	1/
	Lasco	Caster improvement/fume hood	1990	1/
	Slater	Continuous caster-new strand	1990	1/
	Sysco	New 700,000 ton per year bloom caster	1990	1/
	Hot Rolling	Atlas	Upgrade forge press	1990
IPSCO		Upgrade slabbing mill & hot strip mill	1992	13
Ivaco		New gauge controls on rod mill	1/	1/
Lasco		New reheat furnace	1989	1/
Lasco		Upgrade bar mill	1990	50
Lasco		Upgrade structural mill	1992	1/
Sidbec-Dosco		Upgrade rod & bar mill	1989/91	17
Slater		Upgrade reheat furnace	1/	2
Stelco		New reheat furnace (Lake Erie)	1989	34
Stelco		New gauge controls on sheet mill (Hilton)	1990	1/
Sysco		New universal rail mill	1990	1/
Cold Rolling		Atlas	Upgrade cold finishing facility	Ongoing
	Dofasco	New continuous cold rolling mill complex	1992	412
	Dofasco	New hydrogen annealing facility	1992	1/
	Sidbec-Dosco	New cold rolled sheet mill	1992	1/
Coating	Dofasco	Two galvanizing lines upgraded	1990	1/
	Dofasco/Sidbec	New galvanizing line 2/	1991	42
	Dofasco	New galvanizing line 2/	1993	1/
	Stelco	New galvanizing line 2/	1991	170
Other	IPSCO	Welded pipe mill expansion/upgrade	1990	4
	IPSCO	New OCTG finishing facility	1989	3
	Lasco	New digital process controls	1/	1/
	Sidbec-Dosco	New waste water treatment	1989	1/
	Stelco	New ERW pipe mill with stretch reducing	1990	1/

1/ Not available. 2/ Joint venture.

Sources: Compiled from company annual reports, discussions with company officials, and various trade publications, including Iron Age, 33 Metal Producing, American Metal Market, and Metal Bulletin.

Monthly Review:
Selected Industry and Trade Topics

Subject Index

	<u>USITC</u> <u>Publication</u>	<u>Date</u>
Specialty steel products-----	2088	6/88
Pipe and tube products-----	2092	7/88
Steel pricing: domestic and international developments-----	2102	8/88
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Steel product quality-----	2310	9/90
Developments in the Canadian steel industry-----	2322	10/90

U.S. STEEL INDUSTRY HIGHLIGHTS

Figure 1
U.S. apparent steel consumption
1,000 short tons

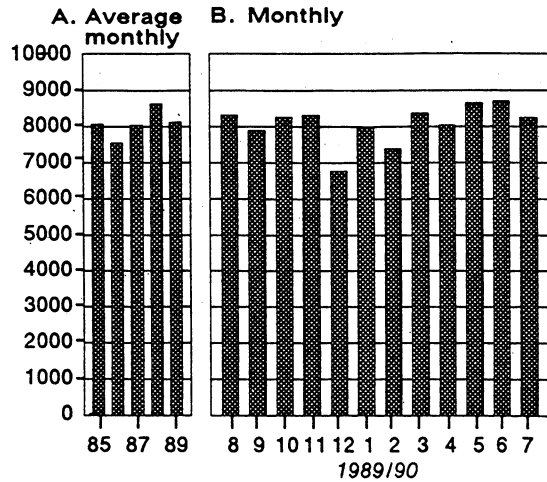


Figure 2
U.S. steel shipments
1,000 short tons

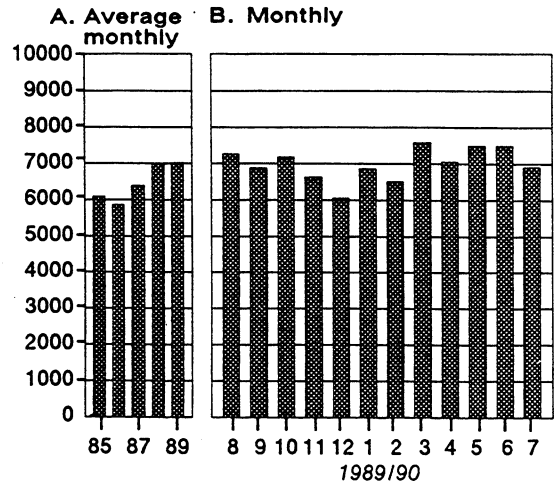


Figure 3
U.S. steel imports
1,000 short tons

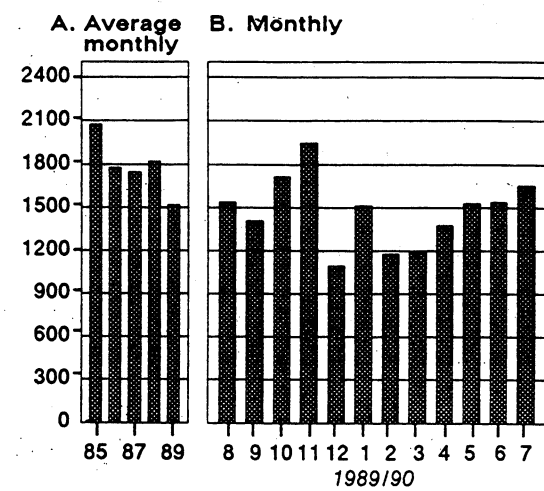


Figure 4
U.S. steel exports
1,000 short tons

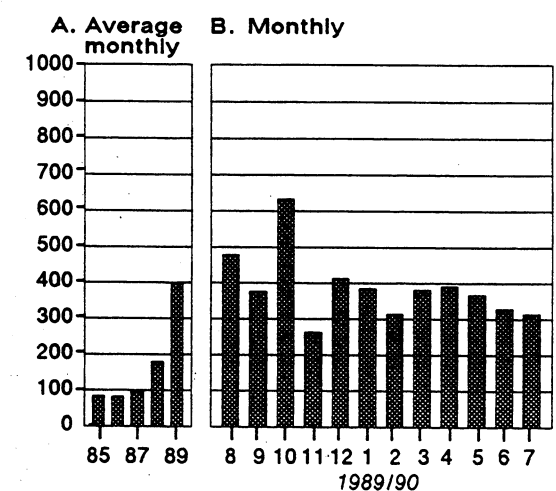


Figure 5
U.S. steel import penetration ¹
Percent

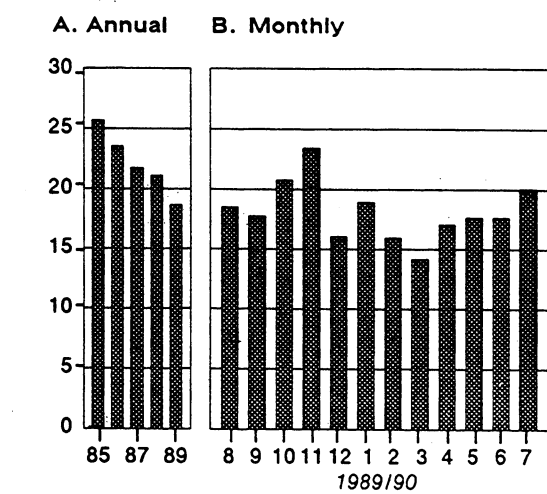
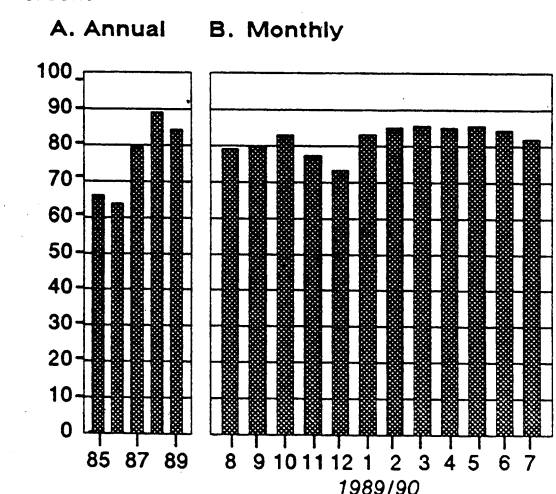


Figure 6
U.S. raw steel capacity utilization
Percent



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

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.

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

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

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

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

Source: USTR press release, December 12, 1989.

Structure of the Report

- o The Monthly Review section provides perspective on imports and trade by highlighting specific products, countries, or customs areas. The inclusion of such insights, which may not be readily apparent from the report's tabulated data, are intended to focus attention on important events in the steel industry. A chronological listing of Monthly Review topics immediately follows each month's review.
- o Table 1 provides data on key items, including raw steel production, capability utilization, employment, wages, shipments, trade, and financial performance.
- o Tables 2-6 provide data on shipments, imports, exports, apparent consumption, and imports as a percent of apparent consumption by major product for all grades of steel, plus carbon and specialty products separately.
- o Table 7 provides quantity and value data on imports of total steel mill products and certain fabricated products. The EC and each VRA country are specified, as are the top 10 non-VRA suppliers. 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.

To reflect changes made to the Harmonized Tariff Schedule of the United States (HTS), the following HTS numbers have been added beginning with the October 1990 report: 7312.10.3010, 7312.10.3012, 7312.10.3070, 7312.10.3074 (wire strand), 7314.41.0030, 7314.41.0060, 7314.42.0030 and 7314.42.0060 (grill, netting and fencing).

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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	January-July					
	1985	1986	1987	1988	1989	1990
Raw steel:						
Production (1,000 short tons)....	88,259	81,606	89,151	99,924	97,943	57,383
Capability utilization						
(percent).....	66.1	63.8	79.5	89.2	84.5	84.5
Continuously cast (percent).....	44.4	55.2	59.8	61.3	64.8	66.5
Employment:						
Total (thousands) ¹	302.6	273.5	268.4	278.5	277.7	2270.9
Production workers						
(thousands) ¹	231.5	208.8	202.9	215.5	214.2	2208.1
Hourly employment cost ³						
(dollars).....	22.81	23.24	23.71	24.65	24.63	25.61
Steel:						
Shipments (1,000 short tons)....	73,043	70,263	76,654	83,840	84,100	49,892
Imports (1,000 short tons).....	24,885	21,289	20,938	21,869	18,219	9,977
Exports (1,000 short tons).....	992	980	1,176	2,152	4,778	2,480
Apparent consumption (1,000 short tons).....	96,936	90,572	96,416	103,558	97,541	57,389
Ratio of imports to consumption						
(percent).....	25.7	23.5	21.7	21.1	18.7	17.4
Steel operations:						
Net steel sales (million dollars).....	28,272	24,875	26,933	32,466	31,969	414,713
Net steel income ⁵ (million dollars).....	(1,834)	(4,150)	1,077	(567)	1,478	4656
Ratio of income to net sales						
(percent).....	(6.5)	(16.7)	4	(1.7)	4.6	44.5

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

²January-June 1990.

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

⁴Figures are for first half only, and are based on reporting companies representing 69.1 percent of total raw steel production and 67.7 percent of total steel shipments.

⁵Quarterly 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	January-July					
	1985	1986	1987	1988	1989	1990
All grades of steel:						
Semifinished	1,374,524	1,485,249	1,593,216	1,927,658	1,850,245	1,081,094
Plate	4,327,367	3,564,806	4,067,919	7,327,887	7,293,115	4,134,144
Sheet and strip	40,850,298	40,493,141	43,288,266	44,707,915	45,376,915	26,864,792
Bars and certain shapes 1/	12,667,539	12,171,142	13,575,114	14,488,773	14,510,007	8,474,256
Wire rod	2,961,769	3,463,827	3,840,494	4,048,230	4,229,889	2,445,559
Wire	874,135	802,259	800,063	1,072,698	1,005,407	619,810
Wire products	262,268	278,068	304,761	3/	3/	3/
Structural shapes & units	4,698,305	4,519,714	5,119,714	5,208,754	5,438,404	3,176,545
Rails & related products	931,313	640,197	514,647	615,303	544,771	408,331
Pipe and tube	4,025,825	2,836,958	3,569,647	4,543,251	4,010,521	2,331,466
Total	73,043,323	70,262,779	76,653,841	83,840,469	84,259,404	49,892,216
Carbon & certain alloy 2/						
Semifinished	1,327,766	1,435,662	1,516,152	1,851,197	1,753,249	1,033,882
Plate	4,185,883	3,448,947	3,888,838	7,145,009	7,123,691	4,031,896
Sheet and strip	40,018,167	39,693,739	42,347,623	43,663,695	44,419,414	26,272,383
Bars and certain shapes	12,478,002	11,996,343	13,391,238	14,284,744	14,304,189	8,355,097
Wire rod	2,931,897	3,427,628	3,792,740	3,990,472	4,193,118	2,422,591
Wire	851,841	777,604	773,329	1,043,112	980,707	604,228
Wire products	262,268	278,068	304,761	3/	3/	3/
Structural shapes & units	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	3,176,545
Rails & related products	931,313	640,197	514,647	615,303	544,771	408,331
Pipe and tube	4,046,771	2,794,218	3,527,867	4,387,761	3,942,470	2,301,704
Total	71,732,213	69,019,838	75,176,909	82,190,047	82,720,013	48,630,776
Stainless & alloy tool steel:						
Semifinished	46,758	49,587	77,064	76,461	96,996	67,233
Plate	141,464	115,859	159,081	182,878	169,424	124,442
Sheet and strip	832,131	799,402	940,643	1,044,220	957,561	566,211
Bars & certain shapes	129,267	119,024	125,441	139,752	158,618	84,073
Wire rod	29,872	36,399	47,754	57,758	36,771	20,686
Wire	22,294	24,655	26,734	29,586	24,700	13,443
Pipe and tube	49,054	42,240	41,780	55,490	48,121	25,614
Tool steel (all forms)	60,270	55,775	58,435	64,277	67,200	33,493
Total	1,311,110	1,242,941	1,476,932	1,650,422	1,539,391	935,195

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	January-July				
	1985	1986	1987	1988	1989
All grades of steel:					
Semifinished	2,440,368	2,084,322	2,288,995	2,844,979	1,339,756
Plate	1,772,309	1,456,790	1,566,694	1,872,937	804,031
Sheet and strip	9,046,089	8,278,604	7,875,891	7,303,964	3,596,155
Bars & certain shapes 1/	1,550,559	1,476,368	1,359,758	1,445,932	863,085
Wire rod	1,476,145	1,362,753	1,467,030	1,493,833	656,653
Wire	612,485	582,022	555,981	540,380	302,930
Wire products	674,960	636,591	649,377	572,451	402,577
Structural shapes & units	2,440,403	2,179,657	2,153,669	2,188,467	1,103,090
Rails & related products	382,046	275,710	245,988	319,432	322,985
Pipe and tube	4,489,287	2,256,303	2,775,091	3,286,690	1,408,084
Total	24,884,651	21,289,120	20,938,474	21,869,065	10,668,454
Carbon & certain alloy 2/					
Semifinished	2,430,078	2,066,700	2,232,270	2,782,572	1,297,564
Plate	1,760,812	1,440,375	1,555,577	1,857,090	793,505
Sheet and strip	8,910,469	8,127,033	7,746,596	7,185,380	3,518,680
Bars & certain shapes	1,475,447	1,393,731	1,281,168	1,361,113	811,049
Wire rod	1,456,078	1,344,256	1,448,720	1,474,623	643,523
Wire	590,317	564,481	536,897	519,727	289,563
Wire products	674,960	636,591	649,377	572,451	402,577
Structural shapes & units	2,440,403	2,179,657	2,153,669	2,188,467	1,103,090
Rails & related products	382,046	275,710	245,988	319,432	322,985
Pipe and tube	4,457,277	2,923,029	2,748,644	3,249,937	1,383,277
Total	24,577,887	20,931,563	20,598,906	21,510,792	10,434,921
Stainless & alloy tool					
Semifinished	10,290	17,622	56,725	62,407	42,192
Plate	11,497	16,415	11,118	15,847	10,525
Sheet and strip	135,620	151,571	129,295	118,584	77,474
Bars & certain shapes	37,970	37,888	37,991	40,724	23,177
Wire rod	20,067	18,496	18,311	19,210	13,130
Wire	22,169	17,541	19,084	20,653	13,367
Pipe and tube	32,009	33,274	26,448	36,752	24,806
Tool steel (all forms)	37,142	44,749	40,599	44,095	28,859
Total	306,764	337,556	339,571	358,272	233,530
Stainless steel:					
Semifinished	10,290	17,622	56,725	62,407	42,192
Plate	11,497	16,415	11,118	15,847	10,525
Sheet and strip	135,620	151,571	129,295	118,584	77,474
Bars & certain shapes	37,970	37,888	37,991	40,724	23,177
Wire rod	20,067	18,496	18,311	19,210	13,130
Wire	22,169	17,541	19,084	20,653	13,367
Pipe and tube	32,009	33,274	26,448	36,752	24,806
Tool steel (all forms)	37,142	44,749	40,599	44,095	28,859
Total	306,764	337,556	339,571	358,272	233,530
Alloy tool steel:					
Semifinished	1,312,611	1,437,109	1,437,109	1,437,109	1,312,611
Plate	830,947	6,443,362	6,443,362	6,443,362	830,947
Sheet and strip	3,511,844	1,356,035	1,356,035	1,356,035	3,511,844
Bars & certain shapes 1/	668,802	1,150,116	1,150,116	1,150,116	668,802
Wire rod	278,157	494,303	494,303	494,303	278,157
Wire	428,167	703,602	703,602	703,602	428,167
Wire products	608,582	1,103,090	1,103,090	1,103,090	608,582
Structural shapes & units	176,077	322,985	322,985	322,985	176,077
Rails & related products	1,541,824	2,472,802	2,472,802	2,472,802	1,541,824
Pipe and tube	9,976,895	18,218,486	18,218,486	18,218,486	9,976,895
Total	1,312,611	1,437,109	1,437,109	1,437,109	1,312,611
Alloy tool steel:					
Semifinished	1,312,611	1,437,109	1,437,109	1,437,109	1,312,611
Plate	830,947	6,443,362	6,443,362	6,443,362	830,947
Sheet and strip	3,511,844	1,356,035	1,356,035	1,356,035	3,511,844
Bars & certain shapes 1/	668,802	1,150,116	1,150,116	1,150,116	668,802
Wire rod	278,157	494,303	494,303	494,303	278,157
Wire	428,167	703,602	703,602	703,602	428,167
Wire products	608,582	1,103,090	1,103,090	1,103,090	608,582
Structural shapes & units	176,077	322,985	322,985	322,985	176,077
Rails & related products	1,541,824	2,472,802	2,472,802	2,472,802	1,541,824
Pipe and tube	9,976,895	18,218,486	18,218,486	18,218,486	9,976,895
Total	1,312,611	1,437,109	1,437,109	1,437,109	1,312,611

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	1989 and 1990				
	1985	1986	1987	1988	1989
All grades of steel ^{1/}					
Semifinished	89,708	58,885	73,543	61,430	390,812
Plate	82,988	69,565	96,538	119,393	630,689
Sheet and strip	375,396	507,420	556,991	1,374,056	2,521,649
Bars and certain shapes 1/	99,096	81,224	121,869	141,461	258,640
Wire rod	4,740	5,876	8,217	10,161	36,093
Wire	19,146	26,760	26,669	36,668	16,898
Wire products	19,253	24,731	23,257	27,847	15,003
Structural shapes & units	89,031	71,525	101,373	111,614	135,802
Rails and related products	13,430	13,131	15,755	18,855	260,750
Pipe and tube	192,258	121,050	152,155	250,390	86,464
Total	992,046	980,167	1,176,367	2,151,875	4,691,593
Carbon & certain alloy 2/					
Semifinished	82,650	57,932	71,362	58,598	376,984
Plate	74,957	66,042	92,057	107,546	623,412
Sheet and strip	349,620	477,803	501,010	1,328,485	2,475,995
Bars and certain shapes	89,241	72,134	111,619	124,911	223,749
Wire rod	3,716	5,049	6,889	8,676	30,588
Wire	17,182	24,033	22,863	32,209	28,730
Wire products	19,253	24,731	23,257	27,847	15,326
Structural shapes & units	89,031	71,525	101,373	111,614	15,003
Rails and related products	13,430	13,131	15,755	18,855	260,750
Pipe and tube	193,309	118,010	143,403	244,192	86,464
Total	932,389	930,390	1,089,590	2,062,933	4,573,757
Stainless & alloy tool					
Stainless steel:					
Semifinished	7,058	953	2,181	2,833	13,829
Plate	8,031	3,523	4,481	11,847	7,277
Sheet and strip	25,776	29,617	55,981	45,571	45,653
Bars & certain shapes	7,762	6,946	7,189	12,047	16,399
Wire rod	1,024	828	1,328	1,486	5,505
Wire	1,964	2,728	3,806	4,459	2,614
Wire products	5,948	3,040	8,751	6,198	8,067
Pipe and tube	2,094	2,144	3,061	4,502	18,492
Total	59,657	49,779	86,778	88,943	117,836
January-July					
1989					
1990					
All grades of steel ^{1/}					
Semifinished					
Plate					
Sheet and strip					
Bars and certain shapes 1/					
Wire rod					
Wire					
Wire products					
Structural shapes & units					
Rails and related products					
Pipe and tube					
Total					
Carbon & certain alloy 2/					
Semifinished					
Plate					
Sheet and strip					
Bars and certain shapes					
Wire rod					
Wire					
Wire products					
Structural shapes & units					
Rails and related products					
Pipe and tube					
Total					
Stainless & alloy tool					
Stainless steel:					
Semifinished					
Plate					
Sheet and strip					
Bars & certain shapes					
Wire rod					
Wire					
Wire products					
Pipe and tube					
Total					

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					1990									
All grades of steel:																																			
Semifinished:																																			
Plate	3,725,184					3,510,686					3,808,668					4,711,207					3,657,244					2,295,786					2,048,982				
Sheet and strip	6,016,668					4,952,031					5,518,075					9,081,431					8,099,535					4,562,530					5,379,992				
Bars and certain shapes 1/	49,520,991					48,264,325					50,607,166					50,637,823					49,298,688					29,280,379					28,040,717				
Wire rod	14,119,002					13,566,286					14,813,003					15,793,294					15,607,402					9,216,709					9,388,627				
Wire	4,433,174					4,820,704					5,299,307					5,531,902					5,343,912					3,084,995					3,120,003				
Wire products	1,467,474					1,357,521					1,329,375					2,121,014					2,139,808					1,317,535					1,231,526				
Structural shapes & units	917,975					889,928					930,881					7,285,607					6,818,015					4,143,833					3,754,379				
Rails & related products	7,049,677					6,635,764					7,172,010					915,880					781,292					550,272					423,204				
Pipe and tube	1,299,929					902,776					744,880					7,479,551					6,040,401					3,660,775					4,001,295				
Total	8,385,854					5,671,711					6,192,583					103,557,659					97,786,297					57,912,814					57,388,725				
Carbon & certain alloy 2/ steel:																																			
Semifinished:																																			
Plate	3,675,194					3,446,430					3,677,060					4,575,171					3,511,955					2,213,180					1,943,586				
Sheet and strip	5,871,738					4,823,280					5,552,358					8,894,553					7,919,675					4,455,185					5,250,926				
Bars & certain shapes	48,579,016					47,342,969					49,593,209					49,520,590					48,246,263					28,641,468					27,424,834				
Wire rod	13,864,208					13,317,940					14,560,787					15,520,946					15,344,745					9,069,652					9,237,530				
Wire	4,384,259					4,766,635					5,234,571					5,456,419					5,290,947					3,051,558					3,088,724				
Wire products	1,424,976					1,318,052					1,287,363					2,075,234					2,096,403					1,290,158					1,209,022				
Structural shapes & units	917,975					889,928					930,881					7,285,607					6,818,015					4,143,833					3,754,379				
Rails & related products	7,049,677					6,635,764					7,172,010					915,880					781,292					550,272					423,204				
Pipe and tube	1,299,929					902,776					744,880					7,393,506					5,963,082					3,411,099					3,956,343				
Total	8,310,739					5,599,237					6,133,106					101,637,906					95,972,384					56,826,405					56,288,548				
Stainless & alloy tool steel:																																			
Semifinished:																																			
Plate	49,990					66,256					131,608					136,035					145,288					82,606					105,396				
Sheet and strip	144,930					128,751					165,718					186,878					179,860					107,345					129,067				
Bars & certain shapes	941,975					921,356					1,013,957					1,117,233					1,052,427					638,910					615,883				
Wire rod	159,475					149,966					156,243					168,429					165,636					93,447					98,984				
Wire	48,915					54,067					64,737					75,682					52,964					33,437					31,279				
Pipe and tube	42,499					59,468					42,012					45,780					43,405					27,378					22,504				
Tool steel (all forms)	75,115					72,474					59,477					86,044					77,312					49,675					44,952				
Total	95,318					98,380					95,973					103,870					97,021					53,611					52,112				
Total	1,556,217					1,550,718					1,729,725					1,919,751					1,815,913					1,086,409					1,100,177				

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-July 1990													
All grades of steel:																																							
Semifinished ^{1/}	65.5	29.4	18.3	11.0	33.3	59.4	29.4	17.2	10.9	28.3	60.1	28.4	15.6	9.2	27.7	60.4	20.6	14.4	9.2	27.0	60.1	17.7	13.1	8.7	21.5	58.4	17.6	12.3	9.4	35.0	66.1	15.4	12.5	6.6	26.0				
Sheet and strip																																							
Bars and certain shapes 1/ ^{2/}																																							
Wire rod	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4									
Wire	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7									
Wire products																																							
Structural shapes & units																																							
Rails and related products																																							
Pipe and tube																																							
Total	25.7	23.5	21.7	21.7	21.7	23.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.1	21.1	21.1	21.1	21.1	18.6	18.6	18.6	18.6	18.6	18.4	18.4	18.4	18.4	18.4	17.4	17.4	17.4	17.4	17.4				
Carbon & certain alloy steel:																																							
Semifinished	66.1	30.0	18.3	10.6	33.2	60.0	29.9	17.2	10.5	28.2	60.7	29.1	15.6	8.8	27.7	60.8	20.9	14.5	8.8	27.0	60.8	17.9	13.1	8.2	21.3	58.6	17.8	12.3	8.9	58.0	65.4	15.6	12.5	6.2	22.0				
Plate																																							
Sheet and strip																																							
Bars and certain shapes																																							
Wire rod	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4				
Wire	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7	73.5	32.8	30.5	53.5	25.7				
Wire products																																							
Structural shapes & units																																							
Rails and related products																																							
Pipe and tube																																							
Total	25.8	23.5	21.8	21.8	21.8	23.5	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.2	21.2	21.2	21.2	21.2	18.6	18.6	18.6	18.6	18.6	18.4	18.4	18.4	18.4	18.4	17.3	17.3	17.3	17.3	17.3				
Stainless & alloy tool steel:																																							
Semifinished	20.6	7.9	14.4	23.8	41.0	26.6	12.7	16.5	25.3	34.2	43.1	6.7	12.8	24.3	28.3	45.9	8.5	10.6	24.2	25.4	42.8	9.8	13.4	26.2	41.0	51.1	9.8	12.1	24.8	39.3	39.8	8.7	13.6	24.9	45.8				
Plate																																							
Sheet and strip																																							
Bars & certain shapes																																							
Wire rod	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4	41.0	42.0	71.5	34.6	29.4				
Wire	52.2	42.6	39.0	49.7	19.7	45.9	45.9	44.5	48.2	44.5	44.5	44.5	44.5	44.5	44.5	42.5	42.5	42.5	42.5	42.5	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9				
Pipe and tube																																							
Tool steel (all forms)																																							
Total	19.7	22.1	19.6	19.6	19.6	22.1	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	18.7	18.7	18.7	18.7	18.7	21.6	21.6	21.6	21.6	21.6	21.5	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6				

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--July	
					1989	1990
	Quantity (short tons)					
VRA countries:						
Australia -----	282,085	274,578	199,938	156,278		
Austria -----	138,101	86,486	39,563	60,021		
Brazil -----	1,476,896	1,391,142	915,391	708,686		
Czechoslovakia -----	37,301	25,693	4,406	3,332		
East Germany -----	92,239	55,867	40,777	30,457		
EC countries -----	6,276,220	5,676,977	3,166,837	2,861,026		
Finland -----	212,989	216,716	141,551	143,500		
Hungary -----	30,094	28,420	13,013	17,876		
Japan -----	4,343,898	3,695,906	2,217,535	1,823,862		
Mexico -----	488,367	467,605	220,103	414,794		
Peoples Rep of China -----	68,840	62,028	31,843	38,205		
Poland -----	89,648	72,786	37,747	22,845		
Romania -----	102,548	49,451	22,113	16,199		
Republic of South Africa -----	1,693	756	512	738		
Korea, Republic of -----	1,572,602	1,191,970	664,610	822,146		
Trinidad and Tobago -----	31,518	48,028	19,019	40,093		
Venezuela -----	169,383	173,642	44,755	99,087		
Yugoslavia -----	12,751	8,222	4,220	12,754		
Total -----	15,427,173	13,526,273	7,783,933	7,271,899		
Other countries:						
Canada -----	3,430,920	3,218,260	1,942,721	1,990,541		
Sweden -----	575,055	254,507	183,118	157,344		
Argentina -----	558,011	227,866	119,765	102,102		
Turkey -----	307,985	211,804	137,848	97,435		
Taiwan -----	252,112	164,019	99,379	119,616		
India -----	100,261	106,110	66,497	64,003		
Norway -----	181,502	90,181	64,857	11,305		
Singapore -----	153,164	78,918	44,276	22,421		
New Zealand -----	88,980	78,564	58,949	48,233		
Indonesia -----	281,142	69,344	48,847	22,563		
All others-----	512,760	192,639	118,263	69,430		
Total -----	6,441,892	4,692,212	2,884,520	2,704,993		
Grand total -----	21,869,065	18,218,485	10,668,453	9,976,892		

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	118,494	126,633	84,343	63,195
Austria -----	82,907	67,871	34,767	44,408
Brazil -----	463,632	473,506	305,031	197,019
Czechoslovakia -----	12,019	8,890	1,508	1,080
East Germany -----	31,340	18,908	13,674	9,528
EC countries-----	2,981,610	2,945,914	1,684,537	1,484,049
Finland -----	101,105	91,999	60,534	63,462
Hungary -----	8,600	9,155	4,145	5,320
Japan -----	2,562,005	2,426,329	1,414,492	1,239,383
Mexico -----	240,693	252,029	120,886	199,856
Peoples Rep of China -----	27,574	34,627	18,252	21,394
Poland -----	30,281	26,614	14,139	8,740
Romania -----	36,063	17,374	7,789	5,822
Republic of South Africa -----	1,487	594	405	563
Korea, Republic of -----	770,065	638,311	338,689	416,910
Trinidad and Tobago -----	8,602	14,695	5,968	11,151
Venezuela -----	53,699	61,681	17,734	37,048
Yugoslavia -----	5,947	3,423	1,757	5,310
Total-----	7,536,123	7,218,553	4,128,650	3,814,238
Other countries:				
Canada -----	1,706,602	1,697,641	1,036,518	973,575
Sweden -----	358,878	278,349	184,927	157,437
Argentina -----	221,845	110,210	57,015	50,958
Turkey -----	93,038	65,996	44,141	30,745
Taiwan -----	134,663	107,331	64,673	80,258
India -----	43,769	45,816	27,125	30,942
Norway -----	55,371	33,921	22,899	7,441
Singapore -----	50,365	32,735	17,751	13,162
New Zealand -----	35,995	41,302	28,879	22,003
Indonesia -----	81,687	24,760	16,797	9,242
All others-----	194,569	92,265	56,480	41,519
Total-----	2,976,782	2,530,326	1,557,205	1,417,282
Grand total-----	10,512,905	9,748,879	5,685,855	5,231,520

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

Table 8.--Steel other than semifinished steel: $\frac{1}{2}$ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-July	
			1989	1990
Quantity (Short tons)				
VRA countries:				
Australia -----	202,683	205,832	140,920	90,286
Austria -----	138,029	86,486	39,563	60,021
Brazil -----	755,083	724,260	466,388	253,905
Czechoslovakia -----	37,301	25,693	4,406	3,332
East Germany -----	92,239	55,867	40,777	30,457
EC-----	5,084,148	4,732,130	2,625,959	2,364,161
Finland -----	209,750	182,165	124,835	143,500
Hungary -----	30,094	28,420	13,013	17,876
Japan -----	4,264,692	3,608,721	2,164,623	1,817,647
Mexico -----	424,451	390,447	186,261	277,907
Peoples Rep of China -----	68,840	62,023	31,837	38,193
Poland -----	89,295	72,493	37,481	22,758
Romania -----	102,548	49,451	22,113	16,199
Republic of South Africa -----	1,693	750	512	738
Korea, Republic of -----	1,515,157	1,125,936	621,378	822,075
Trinidad and Tobago -----	28,460	48,028	19,019	40,093
Venezuela -----	119,720	125,160	44,755	99,087
Yugoslavia -----	12,751	8,222	4,220	12,754
Total-----	13,176,934	11,532,084	6,588,060	6,110,989
Other countries:				
Canada -----	3,327,082	3,098,487	1,878,053	1,859,800
Argentina -----	535,190	227,011	119,703	101,959
Turkey -----	307,985	211,804	137,848	97,435
Sweden -----	269,005	183,284	115,721	137,066
Taiwan -----	252,112	164,018	99,379	119,594
India -----	100,261	106,110	66,497	64,003
Norway -----	116,917	84,304	58,980	11,299
Singapore -----	153,164	78,918	44,276	22,421
New Zealand -----	42,766	78,564	58,949	48,232
Indonesia -----	276,988	69,344	48,847	22,563
All others-----	465,682	186,746	112,384	68,921
Total-----	5,847,152	4,488,590	2,740,637	2,553,293
Grand total-----	19,024,086	16,020,674	9,328,697	8,664,282

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-July	
			1989	1990
Import/consumption ratio (percent)				

VRA countries:				
Australia -----	.2	.2	.3	.2
Austria -----	.1	.1	.1	.1
Brazil -----	.8	.8	.8	.5
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	.1	.1	.1	.1
EC-----	5.2	5.1	4.8	4.3
Finland -----	.2	.2	.2	.3
Hungary -----	2/	2/	2/	2/
Japan -----	4.4	3.9	3.9	3.3
Mexico -----	.4	.4	.3	.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	1.5
Trinidad and Tobago -----	2/	.1	2/	.1
Venezuela -----	.1	.1	.1	.2
Yugoslavia -----	2/	2/	2/	2/
Total-----	13.5	12.4	12.0	11.1
Other countries:				
Canada -----	3.4	3.3	3.4	3.4
Argentina -----	.5	.2	.2	.2
Turkey -----	.3	.2	.3	.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	5.0	4.7
Grand total-----	19.5	17.2	16.9	15.8

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

2/ Less than 0.05 percent.

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

Table 9.--Semifinished steel: 1/ U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Source	Unadjusted Initial Period Ceiling 2/	Quantity (short tons)		January--July	
		1988	1989	1989	1990
VRA countries:					
Australia	126,500	79,402	68,747	59,017	65,992
Austria	3/	73	0	0	0
Brazil	979,835	721,813	666,882	449,003	454,781
Czechoslovakia	3/	0	0	0	0
East Germany	3/	0	0	0	0
EC Countries	816,743	1,192,072	946,846	540,878	496,865
Finland	17,152	5,239	34,551	16,716	0
Hungary	3/	0	0	0	0
Japan	94,339	79,206	87,185	52,913	6,215
Mexico	257,287	63,916	77,158	33,842	136,888
Peoples Rep of China	3/	353	293	5	12
Poland	3/	0	0	267	87
Romania	3/	0	0	0	0
Republic of South Africa	3/	0	7	0	0
Korea, Republic of	290,520	57,445	66,033	43,232	72
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	1,195,873	1,160,912
Other countries:					
Canada	5/	103,838	119,773	64,667	130,742
Sweden	5/	306,050	71,223	67,398	20,277
Norway	5/	64,585	5,877	5,877	6
Soviet Union	5/	47,078	5,860	5,860	0
Argentina	5/	22,820	855	62	143
Switzerland	5/	0	31	18	508
Taiwan	2/	0	0	0	22
Israel	5/	0	0	0	0
Indonesia	5/	4,154	0	0	0
New Zealand	2/	46,214	0	0	1
Total	5/	594,739	203,619	143,882	151,699
Grand total	5/	2,844,979	2,197,808	1,339,755	1,312,611

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	79,402	68,747	59,017	65,992
Austria -----	0	0	0	0
Brazil -----	720,130	666,882	449,003	454,781
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	1,181,448	930,852	529,647	479,961
Finland -----	3,239	34,551	16,716	0
Hungary -----	0	0	0	0
Japan -----	77,271	86,487	52,645	5,873
Mexico -----	63,916	76,982	33,832	136,661
Peoples Rep of China -----	0	5	5	12
Poland -----	279	0	0	45
Romania -----	0	0	0	0
Republic of South Africa -----	0	7	0	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	1,184,097	1,143,397
Other countries:				
Canada -----	70,310	83,218	40,828	116,006
Sweden -----	291,559	60,821	60,821	10,543
Norway -----	64,585	5,877	5,877	6
Soviet Union -----	47,078	5,860	5,860	0
Argentina -----	22,820	855	62	143
Switzerland -----	<u>2</u>	31	18	508
New Zealand -----	46,214	0	0	<u>2</u>
Taiwan -----	0	0	0	21
Indonesia -----	4,154	0	0	0
Total-----	546,720	156,662	113,466	127,227
Grand total-----	2,782,571	2,135,690	1,297,563	1,270,624

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	15,165	14,426	11,900	13,645
Austria -----	0	0	0	0
Brazil -----	161,215	166,678	111,377	96,359
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	290,884	244,360	140,803	116,409
Finland -----	770	10,811	4,508	0
Hungary -----	0	0	0	0
Japan -----	19,499	24,972	14,591	2,930
Mexico -----	17,342	19,722	9,034	29,491
Peoples Rep of China -----	0	7	7	12
Poland -----	69	0	0	17
Romania -----	0	0	0	0
Republic of South Africa -----	0	18	0	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	302,777	258,907
Other countries:				
Canada -----	21,337	27,484	15,056	31,607
Sweden -----	73,544	15,249	15,249	2,467
Norway -----	14,757	1,288	1,288	40
Soviet Union -----	6,946	843	843	0
Argentina -----	6,147	336	21	116
Switzerland -----	3	155	56	544
New Zealand -----	13,489	0	0	7
Taiwan -----	0	0	0	25
Indonesia -----	1,196	0	0	0
Total-----	137,419	45,355	32,513	34,806
Grand total-----	668,602	552,554	335,290	293,713

^{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 1/₂ steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	5,935	4,634	1,755	2,839
Austria -----	21,426	5,851	2,334	1,169
Brazil -----	171,537	134,769	96,135	23,912
Czechoslovakia -----	16,455	17,274	3,371	1,755
East Germany -----	17,270	10,342	6,927	7,692
EC countries -----	515,974	521,489	251,480	333,434
Finland -----	96,135	108,885	69,637	78,995
Hungary -----	16,146	15,300	6,287	9,650
Japan -----	44,538	45,639	24,544	19,827
Mexico -----	20,867	26,919	9,622	25,648
Peoples Rep of China -----	26	0	0	0
Poland -----	30,860	28,960	14,198	7,037
Romania -----	68,325	35,438	16,383	3,143
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	68,405	46,109	28,516	16,686
Trinidad and Tobago -----	389	2,204	0	0
Venezuela -----	6,653	10,033	2,915	4,145
Yugoslavia -----	1,423	0	0	4,634
Total -----	1,102,364	1,013,846	534,104	540,566
Other countries:				
Canada -----	419,556	266,881	169,915	165,238
Sweden -----	110,743	78,601	48,539	75,109
India -----	34,780	53,828	35,303	32,894
New Zealand -----	3,849	5,544	5,015	3,111
Indonesia -----	84,969	267	203	0
Argentina -----	44,564	233	233	2,817
Turkey -----	5,946	193	193	0
Peru -----	0	<u>2</u>	<u>2</u>	0
Switzerland -----	86	0	0	0
Israel -----	1,729	0	0	0
All others -----	48,503	0	0	17
Total -----	754,725	405,547	259,401	279,186
Grand total -----	1,857,089	1,419,393	793,505	819,752

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	3,190	2,371	883	1,234
Austria -----	8,467	2,465	1,218	622
Brazil -----	67,413	44,586	30,843	8,287
Czechoslovakia -----	5,280	5,498	921	474
East Germany -----	5,566	3,312	2,238	2,204
EC countries-----	219,700	215,157	107,625	129,932
Finland -----	38,528	39,347	25,348	27,398
Hungary -----	4,494	4,847	1,935	2,879
Japan -----	27,120	27,889	14,826	13,486
Mexico -----	8,122	10,816	4,201	8,504
Peoples Rep of China -----	28	0	0	0
Poland -----	9,971	9,915	4,855	2,164
Romania -----	22,680	11,827	5,588	991
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	28,496	17,725	10,908	5,910
Trinidad and Tobago -----	122	630	0	0
Venezuela -----	2,062	3,172	990	1,031
Yugoslavia -----	461	0	0	1,834
Total-----	451,700	399,557	212,379	206,950
Other countries:				
Canada -----	175,573	109,513	71,259	61,393
Sweden -----	52,247	39,192	24,698	33,078
India -----	14,024	17,706	10,877	11,261
New Zealand -----	1,350	1,671	1,516	865
Indonesia -----	25,597	125	57	0
Argentina -----	14,038	81	81	678
Turkey -----	2,186	88	88	0
Peru -----	0	6	6	0
Switzerland -----	38	0	0	0
Israel -----	754	0	0	0
All others-----	14,161	0	0	11
Total-----	299,968	168,382	108,582	107,286
Grand total-----	751,668	567,939	320,961	314,236

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

^{2/} Less than 0.5 short ton.

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

Table 12.--Carbon and certain alloy $\frac{1}{2}$ steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	169,338	173,844	120,538	70,416
Austria -----	80,141	44,936	21,589	27,150
Brazil -----	279,788	374,903	245,975	78,702
Czechoslovakia -----	0	10	10	0
East Germany -----	50,830	26,330	20,212	13,927
EC countries-----	2,249,090	1,968,270	1,010,844	863,095
Finland -----	85,164	56,876	42,754	51,023
Hungary -----	13,211	11,903	5,587	8,198
Japan -----	2,209,538	2,050,376	1,203,176	1,082,592
Mexico -----	139,529	117,694	54,669	88,479
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	165,648	441,048
Trinidad and Tobago -----	63	0	0	0
Venezuela -----	57,246	59,756	13,667	28,716
Yugoslavia -----	0	32	11	517
Total-----	5,839,054	5,261,165	2,904,750	2,753,947
Other countries:				
Canada -----	856,040	858,289	504,145	518,893
New Zealand -----	29,118	61,556	46,761	43,062
Taiwan -----	78,901	48,988	25,666	58,293
Argentina -----	243,388	27,348	9,615	16,586
Sweden -----	51,007	21,448	14,475	19,719
Norway -----	14,466	20,341	10,941	9,888
United Arab Emirates -----	0	2,078	2,078	0
Jamamia -----	0	538	0	185
Indonesia -----	20,138	368	160	43
Costa Rica -----	0	287	0	66
All others-----	53,269	438	88	7,478
Total-----	1,346,327	1,041,679	613,929	674,213
Grand total-----	7,185,381	6,302,844	3,518,679	3,428,160

See footnote(s) at end of table.

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

Item	1988	1989	January--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	90,392	96,817	62,681	39,592
Austria -----	31,089	18,681	8,871	10,697
Brazil -----	111,040	149,482	98,508	29,418
Czechoslovakia -----	0	3	3	0
East Germany -----	18,100	9,790	7,328	5,030
EC countries -----	1,045,288	951,315	502,382	410,474
Finland -----	32,525	22,393	17,556	16,086
Hungary -----	3,751	3,739	1,722	2,413
Japan -----	1,211,321	1,198,546	694,472	642,266
Mexico -----	77,632	69,852	32,417	53,718
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	66,338	178,742
Trinidad and Tobago -----	19	0	0	0
Venezuela -----	22,121	26,436	5,680	11,948
Yugoslavia -----	0	17	6	283
Total-----	2,860,166	2,711,031	1,498,007	1,400,804
Other countries:				
Canada -----	381,804	403,293	238,259	233,934
New Zealand -----	11,315	27,435	20,232	18,675
Taiwan -----	31,494	22,887	11,458	29,482
Argentina -----	92,033	14,390	4,926	6,716
Sweden -----	39,376	28,193	18,483	18,507
Norway -----	7,909	12,185	6,793	5,941
United Arab Emirates -----	0	926	926	0
Jamamia -----	0	378	0	136
Indonesia -----	7,569	215	76	35
Costa Rica -----	0	228	0	56
All others -----	21,590	528	214	2,943
Total-----	593,090	510,658	301,367	316,425
Grand total-----	3,453,256	3,221,689	1,799,374	1,717,229

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

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

Table 13.--Carbon and certain alloy $\frac{1}{2}$ 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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	826	1,433	36	89
Austria -----	693	541	333	228
Brazil -----	96,561	50,035	31,167	36,510
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	260,337	323,125	176,840	154,131
Finland -----	4,081	4,080	2,645	1,855
Hungary -----	146	0	0	0
Japan -----	107,959	131,880	84,522	48,872
Mexico -----	22,813	16,066	8,176	6,016
Peoples Rep of China -----	3,441	3,916	1,515	2,629
Poland -----	1,282	2,648	1,963	1,228
Romania -----	29	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	74,249	62,652	41,615	24,125
Trinidad and Tobago -----	15,404	16,501	13,884	19,618
Venezuela -----	19,962	10,391	7,104	13,832
Yugoslavia -----	0	0	0	0
Total-----	607,783	623,268	369,800	309,133
Other countries:				
Canada -----	429,634	398,631	255,121	215,710
Turkey -----	102,560	109,153	98,673	14,565
Argentina -----	50,982	48,289	28,051	14,441
Norway -----	36,346	30,234	23,640	0
Singapore -----	19,311	20,159	8,688	1,861
Taiwan -----	32,265	11,752	11,090	375
India -----	11,249	10,492	5,507	7,754
Sweden -----	9,099	3,385	2,458	2,627
Indonesia -----	54,015	3,133	3,133	4,500
Dominican Republic -----	0	3,112	3,112	0
All others-----	7,867	2,699	1,777	1,138
Total-----	753,328	641,039	441,250	262,971
Grand total-----	1,361,111	1,264,307	811,050	572,104

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

Item	1988	1989	January--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	332	669	11	32
Austria -----	667	1,024	636	563
Brazil -----	29,058	22,335	13,398	14,540
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	133,388	169,448	92,785	80,570
Finland -----	2,705	3,241	1,906	1,995
Hungary -----	63	0	0	0
Japan -----	49,339	73,081	44,928	32,321
Mexico -----	8,588	5,814	3,100	2,250
Peoples Rep of China -----	1,314	1,526	521	1,258
Poland -----	845	1,517	1,109	764
Romania -----	103	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	20,439	19,087	12,342	8,036
Trinidad and Tobago -----	3,968	5,232	4,448	5,339
Venezuela -----	5,392	3,868	2,884	4,386
Yugoslavia -----	0	0	0	0
Total-----	256,201	306,842	178,068	152,054
Other countries:				
Canada -----	186,448	173,249	109,869	94,760
Turkey -----	28,951	32,827	29,707	5,567
Argentina -----	16,442	18,563	10,860	5,601
Norway -----	8,963	8,213	6,578	0
Singapore -----	5,104	7,950	3,313	536
Taiwan -----	10,022	4,724	4,362	217
India -----	3,952	4,650	2,385	3,832
Sweden -----	5,737	3,160	2,131	4,104
Indonesia -----	14,691	862	862	1,264
Dominican Republic -----	0	821	821	0
All others -----	2,726	1,257	820	706
Total-----	283,036	256,276	171,708	116,587
Grand total-----	539,237	563,118	349,776	268,641

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

Item	1988	1989	January--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	9,551	10,783	9,257	6,469
Austria -----	601	1,108	1,108	0
Brazil -----	58,383	57,858	25,044	43,009
Czechoslovakia -----	13,661	2,197	0	0
East Germany -----	16,306	12,583	8,961	7,523
EC countries-----	290,286	212,925	125,576	104,443
Finland -----	2,237	108	108	0
Hungary -----	0	67	67	0
Japan -----	276,003	201,891	124,468	104,854
Mexico -----	58,389	32,373	23,322	23,658
Peoples Rep of China -----	27	25	25	0
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	2
Trinidad and Tobago -----	11,312	29,203	5,070	19,596
Venezuela -----	8,916	2,065	1,041	16,071
Yugoslavia -----	0	0	0	0
Total-----	754,153	563,362	324,223	325,625
Other countries:				
Canada -----	360,096	400,938	238,837	250,484
Turkey -----	126,791	75,596	18,498	67,374
Indonesia -----	84,414	29,923	24,510	0
Singapore -----	81,904	29,776	18,847	5,197
Sweden -----	18,464	15,095	10,290	4,159
Taiwan -----	16,843	10,071	8,018	772
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	0
Total-----	720,469	565,052	319,301	328,863
Grand total-----	1,474,622	1,128,414	643,524	654,488

See footnote(s) at end of table.

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

Item	1988	1989	January--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	2,103	2,439	2,052	1,693
Austria -----	248	297	297	0
Brazil -----	16,380	16,652	6,947	11,173
Czechoslovakia -----	3,234	549	0	0
East Germany -----	3,547	3,014	2,144	1,754
EC countries -----	109,528	82,681	49,470	38,225
Finland -----	741	35	35	0
Hungary -----	0	30	30	0
Japan -----	124,039	96,067	58,933	48,287
Mexico -----	15,344	8,234	5,877	6,389
Peoples Rep of China -----	9	7	7	0
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	1
Trinidad and Tobago -----	3,293	8,770	1,472	5,539
Venezuela -----	2,000	594	289	3,996
Yugoslavia -----	0	0	0	0
Total -----	282,467	219,481	127,665	117,057
Other countries:				
Canada -----	130,836	145,073	86,237	89,430
Turkey -----	32,337	20,896	5,253	17,394
Indonesia -----	20,363	8,363	6,724	0
Singapore -----	21,983	9,390	6,148	1,678
Sweden -----	9,831	12,842	8,549	3,699
Taiwan -----	6,764	4,247	3,401	290
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	0
Total -----	229,342	202,034	116,517	112,869
Grand total -----	511,809	421,515	244,182	229,926

^{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 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

Item	1988	1989	January--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	4,488	4,189	2,560	2,597
Austria -----	1,731	1,782	1,043	852
Brazil -----	14,128	9,397	6,949	5,304
Czechoslovakia -----	0	24	24	0
East Germany -----	0	0	0	0
EC countries-----	168,480	139,816	91,148	71,340
Finland -----	476	368	59	590
Hungary -----	0	0	0	0
Japan -----	78,468	67,924	41,840	39,315
Mexico -----	2,712	1,407	625	1,622
Peoples Rep of China -----	9,720	12,165	6,439	5,987
Poland -----	116	201	74	64
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	7,736	7,512	3,535	2,663
Trinidad and Tobago -----	1,060	0	0	0
Venezuela -----	5,996	5,906	1,820	3,677
Yugoslavia -----	3	0	0	0
Total-----	295,114	250,691	156,116	134,011
Other countries:				
Canada -----	193,243	183,779	111,268	110,734
Argentina -----	2,491	11,276	5,436	7,590
Sweden -----	7,532	7,601	4,430	4,286
India -----	4,108	5,266	3,423	4,005
Chile -----	2,146	3,630	1,610	682
Taiwan -----	4,897	3,548	2,073	3,890
Ecuador -----	1,430	2,134	1,624	118
Switzerland -----	2,591	1,653	1,374	443
Norway -----	1,312	1,328	598	976
Hong Kong -----	9	763	763	2
All others-----	4,856	1,315	850	639
Total-----	224,615	222,293	133,449	133,365
Grand total-----	519,729	472,984	289,565	267,376

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	2,018	1,844	1,158	1,094
Austria -----	2,584	2,976	1,643	1,814
Brazil -----	6,207	5,122	3,683	2,733
Czechoslovakia -----	0	16	16	0
East Germany -----	0	0	0	0
EC countries-----	141,210	126,019	82,181	68,109
Finland -----	231	198	17	355
Hungary -----	0	0	0	0
Japan -----	61,637	57,930	35,527	34,753
Mexico -----	1,320	914	409	983
Peoples Rep of China -----	4,165	5,530	2,851	2,724
Poland -----	59	129	39	42
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea, Republic of -----	4,667	4,890	2,224	1,922
Trinidad and Tobago -----	354	0	0	0
Venezuela -----	3,096	3,410	1,164	2,024
Yugoslavia -----	9	0	0	0
Total-----	227,557	208,978	130,912	116,553
Other countries:				
Canada -----	109,405	112,002	66,740	68,551
Argentina -----	1,245	5,051	2,405	3,443
Sweden -----	10,678	9,482	5,986	5,465
India -----	1,518	1,974	1,251	1,490
Chile -----	946	2,041	865	412
Taiwan -----	2,903	3,186	2,012	2,586
Ecuador -----	652	1,059	798	62
Switzerland -----	1,525	1,062	889	282
Norway -----	1,177	1,095	481	761
Hong Kong -----	2	346	346	36
All others-----	1,291	726	441	232
Total-----	131,342	138,024	82,214	83,320
Grand total-----	358,899	347,002	213,126	199,873

^{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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	5	20	0	5
Austria -----	956	4,043	2,484	2,011
Brazil -----	15,018	10,401	7,390	8,404
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	38,365	86,677	52,742	50,613
Finland -----	1	51	<u>2</u> / <u> </u>	<u>2</u> / <u> </u>
Hungary -----	0	42	0	18
Japan -----	23,536	52,650	30,368	35,246
Mexico -----	13,693	24,461	14,654	18,419
Peoples Rep of China -----	36,866	42,981	22,958	28,461
Poland -----	16,070	15,255	8,762	6,907
Romania -----	143	0	0	0
Republic of South Africa -----	1,550	730	512	0
Korea, Republic of -----	192,127	178,804	98,137	113,099
Trinidad and Tobago -----	94	0	0	274
Venezuela -----	1,352	16,639	9,865	7,159
Yugoslavia -----	7,314	5,961	3,121	3,619
Total-----	347,090	438,715	250,993	274,235
Other countries:				
Canada -----	98,251	114,763	67,397	73,578
Indonesia -----	18,621	27,489	12,826	17,335
Thailand -----	8,627	20,808	13,907	3,970
Taiwan -----	13,715	17,331	9,741	9,061
Argentina -----	18,002	16,702	10,157	8,576
United Arab Emirates -----	20,059	14,854	9,881	7,644
Turkey -----	23,631	10,713	6,378	9,305
Saudi Arabia -----	3,718	8,784	4,520	4,275
Chile -----	8,459	8,642	3,922	4,751
India -----	4,571	8,233	4,389	3,536
All others-----	7,707	16,568	8,466	11,899
Total-----	225,361	264,887	151,584	153,930
Grand total-----	572,451	703,602	402,577	428,165

See footnote(s) at end of table.

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

Item	1988	1989	January--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	20	37	0	23
Austria -----	1,556	8,634	5,576	5,094
Brazil -----	7,169	6,038	4,120	4,535
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	33,725	135,555	78,778	94,263
Finland -----	96	67	5	6
Hungary -----	0	23	0	7
Japan -----	28,992	97,473	56,459	62,894
Mexico -----	8,903	17,781	10,259	14,900
Peoples Rep of China -----	14,640	25,832	14,267	16,257
Poland -----	5,403	5,354	2,972	2,662
Romania -----	44	0	0	0
Republic of South Africa -----	792	558	401	0
Korea, Republic of -----	138,561	158,567	85,189	99,286
Trinidad and Tobago -----	27	0	0	107
Venezuela -----	387	5,224	3,050	2,912
Yugoslavia -----	3,027	2,456	1,283	1,450
Total-----	243,342	463,599	262,359	304,396
Other countries:				
Canada -----	70,198	93,747	54,462	60,201
Indonesia -----	6,881	11,595	5,563	7,598
Thailand -----	5,332	9,521	5,818	2,384
Taiwan -----	12,448	19,677	11,343	10,225
Argentina -----	7,943	8,930	5,277	4,663
United Arab Emirates -----	7,562	5,992	3,878	3,886
Turkey -----	8,700	5,485	3,306	5,015
Saudi Arabia -----	1,239	3,255	1,627	1,817
Chile -----	3,991	4,476	2,159	2,707
India -----	2,659	5,467	3,043	2,489
All others-----	6,778	21,186	11,996	13,534
Total-----	133,731	189,331	108,472	114,519
Grand total-----	377,073	652,930	370,831	418,915

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

^{2/} Less than 0.5 short ton.

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

Table 17.--Carbon and certain alloy 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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	139	312	279	20
Austria -----	1,541	684	411	152
Brazil -----	20,210	11,638	6,366	2,782
Czechoslovakia -----	0	0	0	0
East Germany -----	0	92	92	0
EC countries -----	903,438	790,065	508,140	318,735
Finland -----	118	2,669	2,531	2/
Hungary -----	0	0	0	0
Japan -----	590,217	373,632	296,928	73,233
Mexico -----	24,912	17,588	9,473	18,878
Peoples Rep of China -----	208	874	334	835
Poland -----	14,059	20,441	7,975	4,549
Romania -----	19	168	130	38
Republic of South Africa -----	143	0	0	0
Korea, Republic of -----	169,302	81,616	65,552	2,059
Trinidad and Tobago -----	0	120	65	606
Venezuela -----	2/	112	50	84
Yugoslavia -----	263	0	0	0
Total-----	1,724,569	1,300,011	898,326	421,971
Other countries:				
Canada -----	338,187	249,815	147,385	171,014
Norway -----	64,361	31,897	23,584	2/
Argentina -----	27,523	30,494	18,649	4,825
New Zealand -----	8,242	8,945	5,131	1,307
Taiwan -----	9,020	6,899	4,371	3,922
Mauritius -----	0	4,723	0	0
Indonesia -----	4,074	3,269	3,251	45
India -----	459	1,743	750	408
Singapore -----	3,129	1,102	578	3,275
Sweden -----	3,925	991	790	1,218
All others-----	4,979	474	273	597
Total-----	463,899	340,352	204,762	186,611
Grand total-----	2,188,468	1,640,363	1,103,088	608,582

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	135	902	878	37
Austria -----	1,865	1,780	1,134	713
Brazil -----	8,055	5,564	2,868	2,070
Czechoslovakia -----	0	0	0	0
East Germany -----	0	28	28	0
EC countries -----	356,905	308,492	198,206	122,079
Finland -----	248	4,129	3,262	3
Hungary -----	0	0	0	0
Japan -----	228,010	159,837	121,218	35,681
Mexico -----	11,585	8,817	4,757	13,827
Peoples Rep of China -----	154	669	256	621
Poland -----	3,587	6,446	2,328	1,228
Romania -----	11	73	55	14
Republic of South Africa -----	694	0	0	0
Korea, Republic of -----	84,018	43,704	26,855	1,828
Trinidad and Tobago -----	0	63	48	166
Venezuela -----	1	83	15	27
Yugoslavia -----	393	0	0	0
Total-----	695,661	540,587	361,908	178,294
Other countries:				
Canada -----	201,529	154,010	91,462	95,225
Norway -----	21,943	10,401	7,458	5
Argentina -----	7,274	10,137	5,727	1,766
New Zealand -----	8,814	10,505	5,831	1,644
Taiwan -----	5,476	6,383	4,108	3,193
Mauritius -----	0	1,521	0	0
Indonesia -----	1,173	971	951	20
India -----	371	1,195	483	355
Singapore -----	2,903	1,013	341	4,099
Sweden -----	5,413	2,805	2,196	2,529
All others -----	4,246	1,402	1,154	1,540
Total-----	259,142	200,343	119,711	110,376
Grand total-----	954,803	740,930	481,619	288,670

^{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 $\frac{1}{2}$ 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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	2	3,567	2,313	2,686
Austria -----	703	5,805	3,513	3,216
Brazil -----	4,553	2,942	1,882	645
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries -----	52,358	53,518	34,337	23,894
Finland -----	3	0	0	1
Hungary -----	4	0	0	10
Japan -----	79,347	83,624	56,561	53,871
Mexico -----	26	380	245	35
Peoples Rep of China -----	25	455	427	53
Poland -----	0	105	105	0
Romania -----	0	0	0	0
Republic of South Africa -----	2/	20	0	738
Korea, Republic of -----	6,919	6,670	5,199	1,699
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	77	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	144,018	157,086	104,582	86,848
Other countries:				
Canada -----	172,077	151,966	85,821	88,573
Soviet Union -----	0	9,875	0	0
Argentina -----	6	2,579	994	2
Sweden -----	3,064	876	303	314
Taiwan -----	128	417	292	157
Colombia -----	0	77	44	32
Chile -----	0	48	4	15
Turkey -----	0	22	22	86
Israel -----	0	20	20	23
Honduras -----	2/	9	9	7
All others -----	140	11	4	19
Total -----	175,415	165,900	87,513	89,228
Grand total -----	319,433	322,986	192,095	176,076

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	7	3,841	2,800	2,821
Austria -----	299	3,284	2,154	2,426
Brazil -----	3,751	2,544	1,555	539
Czechoslovakia -----	0	0	0	0
East Germany -----	5	0	0	0
EC countries -----	25,214	28,589	17,498	14,648
Finland -----	14	0	0	19
Hungary -----	25	0	0	22
Japan -----	38,835	46,028	30,701	29,794
Mexico -----	37	380	245	55
Peoples Rep of China -----	9	221	204	43
Poland -----	0	49	49	0
Romania -----	0	0	0	0
Republic of South Africa -----	1	14	0	563
Korea, Republic of -----	2,580	3,408	2,567	1,051
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	24	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	70,801	88,358	57,773	51,981
Other countries:				
Canada -----	50,140	59,757	37,424	20,979
Soviet Union -----	0	1,290	0	0
Argentina -----	17	803	311	10
Sweden -----	1,001	600	249	485
Taiwan -----	294	797	483	352
Colombia -----	0	258	147	114
Chile -----	0	25	3	8
Turkey -----	0	13	13	58
Israel -----	0	25	25	12
Honduras -----	2	4	4	4
All others-----	115	71	47	84
Total -----	51,569	63,643	38,706	22,106
Grand total -----	122,370	152,001	96,479	74,087

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

^{2/} Less than 0.5 short ton.

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

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	12,375	7,022	4,164	4,883
Austria -----	26,408	17,756	4,459	23,228
Brazil -----	87,724	64,098	40,926	50,695
Czechoslovakia -----	7,164	6,156	1,002	1,577
East Germany -----	7,828	6,520	4,586	1,312
EC countries -----	488,108	504,008	295,484	370,966
Finland -----	12,755	6,000	5,359	2,770
Hungary -----	585	1,109	1,072	0
Japan -----	790,770	507,942	251,427	313,593
Mexico -----	131,349	138,081	58,354	81,567
Peoples Rep of China -----	18,422	973	48	0
Poland -----	8,048	4,658	4,201	2,788
Romania -----	27,284	13,778	5,543	13,019
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	496,059	353,671	205,681	211,956
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	19,510	20,192	8,293	25,273
Yugoslavia -----	3,732	2,226	1,085	3,964
Total-----	2,138,121	1,654,190	891,684	1,107,591
Other countries:				
Canada -----	436,372	451,459	284,245	251,851
Argentina -----	148,192	89,608	46,375	46,188
Taiwan -----	88,055	60,719	35,566	38,028
Thailand -----	148,259	34,384	33,029	0
Singapore -----	47,545	27,492	16,115	11,537
India -----	44,486	25,404	16,400	12,497
Sweden -----	26,842	21,424	13,063	12,102
Turkey -----	32,001	16,107	14,065	6,086
Algeria -----	21,502	9,430	5,826	1,228
Israel -----	12,714	9,397	4,530	10,175
All others-----	105,850	35,930	22,380	16,444
Total-----	1,111,818	781,354	491,594	406,136
Grand total-----	3,249,939	2,435,544	1,383,278	1,513,727

See footnote(s) at end of table.

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

Item	1988	1989	January--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	4,959	3,151	1,903	2,347
Austria -----	23,494	13,811	4,087	14,111
Brazil -----	41,170	36,362	21,963	18,714
Czechoslovakia -----	3,472	2,779	569	605
East Germany -----	4,115	2,763	1,936	532
EC countries-----	346,165	330,377	198,413	226,028
Finland -----	5,624	2,987	2,589	1,448
Hungary -----	266	517	458	0
Japan -----	597,887	378,193	197,187	210,500
Mexico -----	71,872	74,372	32,612	42,175
Peoples Rep of China -----	7,066	360	32	0
Poland -----	3,115	2,105	1,831	1,211
Romania -----	11,018	5,411	2,101	4,817
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	239,742	176,982	102,097	100,769
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	7,535	8,737	3,661	10,539
Yugoslavia -----	2,036	946	464	1,711
Total-----	1,369,536	1,039,853	571,903	635,507
Other countries:				
Canada -----	266,692	281,447	176,495	153,683
Argentina -----	76,641	51,423	27,159	27,485
Taiwan -----	39,591	28,827	17,626	17,190
Thailand -----	58,119	14,718	14,132	0
Singapore -----	19,833	13,215	7,883	5,199
India -----	20,173	11,846	7,433	5,033
Sweden -----	23,510	23,653	14,028	14,172
Turkey -----	14,568	6,678	5,766	2,697
Algeria -----	5,957	2,531	1,384	452
Israel -----	6,218	4,759	2,337	4,723
All others-----	48,029	17,951	11,235	8,702
Total-----	579,331	457,048	285,478	239,336
Grand total-----	1,948,867	1,496,901	857,381	874,843

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

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

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	282,061	274,550	199,919	155,996
Austria -----	134,200	82,507	37,274	58,007
Brazil -----	1,468,033	1,382,924	910,836	704,743
Czechoslovakia -----	37,280	25,660	4,406	3,332
East Germany -----	92,234	55,867	40,777	30,455
EC countries-----	6,147,884	5,530,746	3,076,237	2,770,612
Finland -----	204,209	213,588	139,809	135,236
Hungary -----	30,094	28,420	13,013	17,876
Japan -----	4,277,647	3,602,047	2,166,480	1,777,276
Mexico -----	478,207	451,951	212,973	400,982
Peoples Rep of China -----	68,735	61,850	31,769	38,060
Poland -----	89,325	72,268	37,279	22,617
Romania -----	102,530	49,436	22,108	16,199
Republic of South Africa -----	1,693	756	512	738
Korea, Republic of -----	1,560,497	1,178,972	657,293	813,408
Trinidad and Tobago -----	31,380	48,028	19,019	40,093
Venezuela -----	169,376	173,574	44,755	98,956
Yugoslavia -----	12,734	8,219	4,217	12,734
Total-----	15,188,119	13,241,363	7,618,676	7,097,320
Other countries:				
Canada -----	3,373,766	3,159,739	1,904,960	1,962,081
Argentina -----	557,969	227,661	119,649	102,046
Sweden -----	522,294	212,323	156,500	131,519
Turkey -----	307,985	211,804	137,848	97,435
Taiwan -----	243,886	159,725	96,816	114,519
India -----	99,714	104,994	65,799	61,100
Norway -----	181,502	90,181	64,857	11,305
Singapore -----	153,163	78,598	44,276	21,870
New Zealand -----	88,979	78,564	58,949	48,233
Indonesia -----	281,142	69,342	48,845	22,563
All others-----	512,272	191,835	117,747	69,062
Total-----	6,322,672	4,584,766	2,816,246	2,641,733
Grand total-----	21,510,791	17,826,129	10,434,922	9,739,053

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	118,320	126,499	84,265	62,517
Austria -----	70,268	52,952	25,617	36,041
Brazil -----	451,458	455,362	295,261	188,368
Czechoslovakia -----	11,986	8,844	1,508	1,080
East Germany -----	31,334	18,908	13,674	9,520
EC countries -----	2,702,007	2,591,992	1,468,142	1,300,737
Finland -----	81,482	83,209	55,226	47,310
Hungary -----	8,600	9,155	4,145	5,320
Japan -----	2,386,680	2,160,017	1,268,843	1,112,912
Mexico -----	220,745	216,702	102,911	172,291
Peoples Rep of China -----	27,385	34,364	18,153	21,053
Poland -----	29,711	25,514	13,182	8,088
Romania -----	36,033	17,347	7,780	5,822
Republic of South Africa -----	1,487	590	401	563
Korea, Republic of -----	743,129	604,322	319,189	397,590
Trinidad and Tobago -----	8,400	14,695	5,968	11,151
Venezuela -----	53,667	61,595	17,734	36,863
Yugoslavia -----	5,925	3,419	1,753	5,278
Total-----	6,988,617	6,485,486	3,703,752	3,422,504
Other countries:				
Canada -----	1,593,962	1,559,576	947,262	909,763
Argentina -----	221,780	109,850	56,806	50,855
Sweden -----	221,486	141,425	96,045	88,127
Turkey -----	93,038	65,996	44,141	30,745
Taiwan -----	109,041	90,727	54,793	63,562
India -----	42,731	42,851	25,486	24,481
Norway -----	55,371	33,914	22,895	7,440
Singapore -----	50,360	31,647	17,751	11,512
New Zealand -----	35,993	41,302	28,879	22,003
Indonesia -----	81,687	24,707	16,744	9,242
All others-----	192,526	89,098	54,465	39,899
Total-----	2,697,975	2,231,093	1,365,267	1,257,629
Grand total-----	9,686,592	8,716,579	5,069,019	4,680,133

^{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--July	
			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	11,232	16,904
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,935	698	267	342
Mexico -----	0	176	10	227
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	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	14,389	15,162	11,776	17,515
Other countries:				
Canada -----	33,527	36,556	23,839	14,735
Sweden -----	14,491	10,403	6,577	9,734
Taiwan -----	0	1/	1/	1/
Israel -----	0	1/	1/	0
Total-----	48,018	46,959	30,416	24,469
Grand total-----	62,407	62,121	42,192	41,984

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--July	
			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	7,913	13,127
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,906	1,413	526	538
Mexico -----	0	448	32	502
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	0
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	16,904	14,965	8,944	14,262
Other countries:				
Canada -----	52,871	68,918	46,449	21,115
Sweden -----	23,240	23,075	15,741	16,003
Taiwan -----	0	16	14	8
Israel -----	0	5	5	0
Hong Kong -----	0	2	2	0
Total-----	76,111	92,016	62,211	37,126
Grand total-----	93,015	106,981	71,155	51,388

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	249	197	100	73
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	7,364	12,024	7,141	5,123
Finland -----	2,730	1,746	959	3,939
Hungary -----	0	0	0	0
Japan -----	2,225	1,542	993	1,089
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	162
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	12,693	15,523	9,202	10,386
Other countries:				
Sweden -----	2,779	2,014	1,186	736
Canada -----	371	177	136	76
Anguilla -----	5	0	0	0
Total-----	3,155	2,191	1,322	812
Grand total-----	15,848	17,714	10,524	11,198

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--July	
			1989	1990
	Value (thousand dollars)			
VRA countries:				
Australia -----	0	0	0	0
Austria -----	953	915	470	256
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	15,635	35,694	20,992	11,440
Finland -----	6,147	4,883	2,970	7,783
Hungary -----	0	0	0	0
Japan -----	4,514	4,544	2,810	2,534
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	257
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	27,299	46,063	27,258	22,270
Other countries:				
Sweden -----	6,775	5,970	3,580	2,049
Canada -----	889	425	346	139
Anguilla -----	9	0	0	0
Total-----	7,673	6,395	3,926	2,188
Grand total-----	34,972	52,458	31,184	24,458

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	9	0	0
Austria -----	29	16	12	3
Brazil -----	313	0	0	536
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	60,758	63,478	36,387	30,755
Finland -----	6,045	1,376	775	4,325
Hungary -----	0	0	0	0
Japan -----	22,393	45,581	24,019	24,227
Mexico -----	8,814	14,968	6,766	13,201
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	3,930	3,985
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	5	0	0	0
Yugoslavia -----	0	0	0	20
Total-----	106,202	132,303	71,889	77,052
Other countries:				
Sweden -----	8,433	5,978	4,000	3,715
Canada -----	3,838	2,234	1,586	1,408
Singapore -----	0	4	0	0
India -----	90	0	0	1,510
Honduras -----	19	0	0	0
Peru -----	2	0	0	0
Total-----	12,382	8,216	5,586	6,633
Grand total-----	118,584	140,519	77,475	83,685

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia	0	12	0	0
Austria	136	79	59	13
Brazil	480	0	0	914
Czechoslovakia	0	0	0	0
East Germany	0	0	0	0
EC countries	122,326	138,830	81,444	59,597
Finland	13,459	3,850	2,280	8,367
Hungary	0	0	0	0
Japan	50,112	95,498	51,513	49,064
Mexico	16,454	33,463	16,985	25,461
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	10,255	6,896
Trinidad and Tobago	0	0	0	0
Venezuela	21	0	0	0
Yugoslavia	0	0	0	32
Total	220,331	288,293	162,536	150,344
Other countries:				
Sweden	24,684	21,181	14,014	12,215
Canada	9,552	7,123	5,154	3,749
Singapore	0	17	0	0
India	172	0	0	2,770
Honduras	35	0	0	0
Peru	26	0	0	0
Total	34,469	28,321	19,168	18,734
Grand total	254,800	316,614	181,704	169,078

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	183	200	136	72
Brazil -----	3,827	4,497	2,654	1,590
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	12,705	10,400	5,485	6,730
Finland -----	0	0	0	1/
Hungary -----	0	0	0	0
Japan -----	16,715	20,286	10,674	9,548
Mexico -----	49	18	0	19
Peoples Rep of China -----	2	7	0	0
Poland -----	0	0	0	0
Romania -----	18	15	5	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,604	3,165	1,783	1,637
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total -----	35,103	38,588	20,737	19,596
Other countries:				
Sweden -----	3,708	2,727	1,572	1,944
Canada -----	1,641	1,711	670	2,720
India -----	224	214	84	344
Argentina -----	0	93	49	14
Taiwan -----	49	59	59	3
Switzerland -----	1/	13	4	11
Jordan -----	0	10	0	0
Indonesia -----	0	2	2	0
Singapore -----	0	1/	0	0
Israel -----	0	1/	0	0
All others-----	1/	0	0	0
Total -----	5,622	4,829	2,440	5,036
Grand total -----	40,725	43,417	23,177	24,632

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	412	527	338	219
Brazil -----	5,743	10,550	6,172	3,959
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	29,888	30,443	16,410	18,023
Finland -----	0	0	0	2
Hungary -----	0	0	0	0
Japan -----	40,671	63,821	32,932	27,705
Mexico -----	163	33	0	39
Peoples Rep of China -----	40	32	0	0
Poland -----	0	0	0	0
Romania -----	30	27	9	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,389	9,017	5,105	4,019
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	80,336	114,450	60,966	53,966
Other countries:				
Sweden -----	8,981	8,819	5,242	5,402
Canada -----	3,608	4,540	1,926	6,925
India -----	420	509	193	888
Argentina -----	0	169	87	28
Taiwan -----	162	166	166	9
Switzerland -----	1	92	21	45
Jordan -----	0	41	0	0
Indonesia -----	0	53	53	0
Singapore -----	0	2	0	0
Israel -----	0	4	0	0
All others -----	3	0	0	0
Total-----	13,175	14,395	7,688	13,297
Grand total-----	93,511	128,845	68,654	67,263

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	49	88	0	0
Brazil -----	964	809	364	375
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	8,877	10,582	6,767	7,403
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,483	6,087	3,607	3,348
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	116	775
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	17	0	0	0
Total-----	15,903	17,902	10,854	11,901
Other countries:				
Sweden -----	3,159	3,497	2,140	2,318
Canada -----	1/	284	136	82
Argentina -----	0	15	0	0
Taiwan -----	148	0	0	0
India -----	0	0	0	11
Total-----	3,307	3,796	2,276	2,411
Grand total-----	19,210	21,698	13,130	14,312

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	0	0	0
Austria -----	68	129	0	0
Brazil -----	1,543	1,991	737	683
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	23,039	30,861	20,457	18,466
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,611	16,226	9,744	7,507
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	293	1,637
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	22	0	0	0
Total-----	37,037	50,003	31,231	28,293
Other countries:				
Sweden -----	7,916	11,170	6,981	6,180
Canada -----	2	787	380	238
Argentina -----	0	26	0	0
Taiwan -----	328	0	0	0
India -----	0	0	0	30
Total-----	8,246	11,983	7,361	6,448
Grand total-----	45,283	61,986	38,592	34,741

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	1/	1/	1/	1/
Austria -----	25	105	63	1/
Brazil -----	156	849	226	46
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	8,101	7,542	4,946	3,874
Finland -----	0	7	7	0
Hungary -----	0	0	0	0
Japan -----	4,719	4,796	2,885	1,958
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	388	360
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3	0	0	0
Yugoslavia -----	0	3	3	0
Total-----	13,991	14,067	8,524	6,238
Other countries:				
Sweden -----	2,685	2,493	1,704	1,180
Canada -----	2,277	2,355	1,432	1,477
Taiwan -----	1,221	1,099	823	575
India -----	209	896	608	975
Switzerland -----	268	337	276	165
Thailand -----	0	71	0	147
Singapore -----	1/	1/	0	1/
Hong Kong -----	0	1/	1/	0
Chile -----	0	0	0	21
Total-----	6,660	7,251	4,843	4,540
Grand total-----	20,651	21,318	13,367	10,778

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	39	81	37	44
Austria -----	117	516	307	7
Brazil -----	304	2,069	577	180
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	24,922	28,620	18,750	14,607
Finland -----	0	58	58	0
Hungary -----	0	0	0	0
Japan -----	18,705	20,748	12,032	7,947
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	1,521	1,386
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	11	0	0	0
Yugoslavia -----	0	4	4	0
Total-----	47,148	55,141	33,289	24,171
Other countries:				
Sweden -----	12,922	13,952	9,542	6,298
Canada -----	9,650	12,604	7,678	7,293
Taiwan -----	3,824	3,834	2,794	1,845
India -----	414	2,432	1,422	2,497
Switzerland -----	1,254	1,590	1,315	786
Thailand -----	0	274	0	525
Singapore -----	5	9	0	6
Hong Kong -----	0	4	4	0
Chile -----	0	0	0	19
Total-----	28,069	34,699	22,755	19,269
Grand total-----	75,217	89,840	56,044	43,440

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	23	0	0	0
Austria -----	756	664	455	465
Brazil -----	0	12	6	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	7,081	11,955	9,623	10,975
Finland -----	1/	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,365	9,327	5,360	4,140
Mexico -----	950	346	257	306
Peoples Rep of China -----	0	4	4	109
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	1/	1/	0
Korea, Republic of -----	392	684	329	1,328
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	17,567	22,992	16,034	17,323
Other countries:				
Canada -----	6,925	6,241	3,984	3,574
Sweden -----	5,253	4,208	2,867	2,065
Taiwan -----	6,809	3,135	1,680	4,518
Thailand -----	188	332	221	21
Singapore -----	0	315	0	551
Switzerland -----	1	16	6	5
Malaysia -----	0	13	9	0
India -----	4	5	5	41
Norway -----	0	1/	1/	1/
Israel -----	4	1/	1/	0
All others-----	1/	0	0	1/
Total-----	19,184	14,265	8,772	10,775
Grand total-----	36,751	37,257	24,806	28,098

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	135	0	0	0
Austria -----	4,157	5,246	3,604	3,476
Brazil -----	0	54	27	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	27,461	45,286	33,305	28,210
Finland -----	1	0	0	0
Hungary -----	0	0	0	0
Japan -----	31,923	52,918	29,399	25,450
Mexico -----	2,891	1,195	831	1,432
Peoples Rep of China -----	0	12	12	292
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	1,173	4,076
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
Total-----	67,823	107,285	68,355	62,936
Other countries:				
Canada -----	24,048	30,786	19,378	17,580
Sweden -----	22,285	22,758	15,719	9,310
Taiwan -----	21,308	12,587	6,905	14,834
Thailand -----	458	874	518	55
Singapore -----	0	1,060	0	1,644
Switzerland -----	177	212	118	187
Malaysia -----	0	45	30	0
India -----	17	20	20	223
Norway -----	0	7	4	2
Israel -----	77	3	2	0
All others-----	2	0	0	1
Total-----	68,372	68,352	42,694	43,836
Grand total-----	136,195	175,637	111,049	106,772

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	0	18	18	282
Austria -----	2,538	2,709	1,523	1,400
Brazil -----	1,920	2,052	1,305	1,396
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries-----	12,825	16,254	9,018	8,650
Finland -----	5	0	0	0
Hungary -----	0	0	0	0
Japan -----	4,416	5,543	3,250	1,933
Mexico -----	346	137	88	60
Peoples Rep of China -----	103	167	70	36
Poland -----	249	225	202	186
Romania -----	0	0	0	0
Republic of South Africa ----	0	0	0	0
Korea, Republic of -----	779	1,167	767	490
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	68	0	131
Yugoslavia -----	0	0	0	0
Total-----	23,206	28,373	16,241	14,566
Other countries:				
Sweden -----	12,254	10,867	6,573	4,133
Canada -----	8,573	8,963	5,977	4,389
Argentina -----	42	98	67	42
Soviet Union -----	0	10	0	0
Israel -----	0	1/	0	0
India -----	19	1/	1/	22
Switzerland -----	1/	1/	0	0
Total-----	20,888	19,938	12,617	8,586
Grand total-----	44,094	48,311	28,858	23,152

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	0	41	41	635
Austria -----	6,561	7,507	4,373	4,396
Brazil -----	3,560	3,481	2,256	2,916
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries-----	23,213	31,615	17,123	19,842
Finland -----	15	0	0	0
Hungary -----	0	0	0	0
Japan -----	14,883	11,142	6,692	5,726
Mexico -----	434	183	122	131
Peoples Rep of China -----	149	219	87	50
Poland -----	468	567	484	557
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,303	1,979	1,141	1,049
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	86	0	185
Yugoslavia -----	0	0	0	0
Total-----	50,625	56,866	32,319	35,495
Other countries:				
Sweden -----	30,589	30,000	18,064	11,853
Canada -----	12,019	12,883	7,944	6,773
Argentina -----	65	165	121	76
Soviet Union -----	0	8	0	0
Israel -----	0	10	0	0
India -----	16	4	4	53
Switzerland -----	2	1	0	0
Total-----	42,691	43,071	26,133	18,755
Grand total-----	93,316	99,937	58,452	54,250

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--July	
			1989	1990
Quantity (short tons)				
VRA countries:				
Australia -----	24	28	19	282
Austria -----	3,901	3,979	2,289	2,014
Brazil -----	8,863	8,218	4,556	3,943
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries -----	128,336	146,230	90,600	90,414
Finland -----	8,780	3,128	1,742	8,264
Hungary -----	0	0	0	0
Japan -----	66,251	93,860	51,056	46,586
Mexico -----	10,160	15,654	7,130	13,812
Peoples Rep of China -----	106	178	74	145
Poland -----	323	518	469	228
Romania -----	18	15	5	0
Republic of South Africa -----	0	1/	1/	0
Korea, Republic of -----	12,105	12,998	7,317	8,738
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	7	68	0	131
Yugoslavia -----	17	3	3	20
Total -----	239,054	284,925	165,260	174,579
Other countries:				
Canada -----	57,153	58,521	37,760	28,460
Sweden -----	52,761	42,184	26,618	25,825
Taiwan -----	8,227	4,294	2,563	5,097
India -----	546	1,116	698	2,902
Thailand -----	188	403	221	167
Switzerland -----	270	366	286	180
Singapore -----	1/	320	0	551
Argentina -----	42	206	116	57
Malaysia -----	0	13	9	0
Soviet Union -----	0	10	0	0
All others -----	31	14	3	21
Total -----	119,488	107,447	68,274	63,260
Grand total -----	358,542	392,372	233,534	237,839

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--July	
			1989	1990
Value (thousand dollars)				
VRA countries:				
Australia -----	174	133	78	678
Austria -----	12,639	14,919	9,150	8,367
Brazil -----	12,173	18,144	9,770	8,651
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries -----	279,603	353,921	216,395	183,313
Finland -----	19,623	8,791	5,308	16,152
Hungary -----	0	0	0	0
Japan -----	175,325	266,312	145,649	126,472
Mexico -----	19,948	35,327	17,975	27,565
Peoples Rep of China -----	189	263	99	341
Poland -----	570	1,099	957	652
Romania -----	30	27	9	0
Republic of South Africa -----	0	4	4	0
Korea, Republic of -----	26,936	33,988	19,500	19,320
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	32	86	0	185
Yugoslavia -----	22	4	4	32
Total-----	547,505	733,064	424,898	391,736
Other countries:				
Canada -----	112,639	138,065	89,256	63,812
Sweden -----	137,391	136,924	88,882	69,310
Taiwan -----	25,622	16,604	9,879	16,697
India -----	1,039	2,965	1,639	6,461
Thailand -----	458	1,148	518	581
Switzerland -----	1,434	1,895	1,454	1,019
Singapore -----	5	1,088	0	1,650
Argentina -----	65	360	208	104
Malaysia -----	0	45	30	0
Soviet Union -----	0	8	0	0
All others -----	152	129	69	22
Total-----	278,805	299,231	191,935	159,656
Grand total-----	826,310	1,032,295	616,833	551,392

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-July		1990
Carbon and certain alloy I/ steel:							
Semifinished 2'	240	259		258		231	
Plate	405	400		404		383	
Sheet and strip:							
Hot rolled	364	378		383		348	
Cold rolled	509	546		553		538	
Galvanized	552	587		574		595	
Tin plate	567	613		608		618	
Tin free	542	574		565		572	
Other coated	590	616		605		646	
Average, sheet and strip	481	511		511		501	
Bar:							
Hot finished	406	454		448		466	
Cold finished	598	658		642		693	
Reinforcing	262	308		303		330	
Light shapes	382	369		352		342	
Average, bar	396	445		431		470	
Wire rod	347	374		379		351	
Wire	691	734		736		748	
Wire products	659	928		921		978	
Structural shapes and units:							
Heavy structurals	376	377		377		359	
Fabricated structurals	939	1,129		1,080		1,325	
Average, structurals	436	452		437		474	
Rails and related products	383	471		502		421	
Pipe and tube:							
Oil country tubular goods	730	743		785		720	
Line pipe	529	563		574		515	
Mechanical pipe	675	787		739		862	
Structural pipe	507	563		567		542	
Pressure tubing	793	1,021		946		1,290	
Other (incl. standard)	487	520		511		505	
Average, pipe and tube	600	615		620		578	
Average, carbon and certain alloy I/ steel	450	489		486		481	

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-July	
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished ^{1/}	1,490	1,722	1,686	1,686	1,224	1,224
Plate	2,207	2,962	2,963	2,963	2,184	2,184
Sheet and strip:						
Sheet	2,067	2,084	2,175	2,175	1,848	1,848
Strip	3,331	3,253	3,232	3,232	3,104	3,104
Average, sheet and strip:	2,149	2,253	2,345	2,345	2,020	2,020
Bars and shapes	2,296	2,968	2,962	2,962	2,731	2,731
Wire rod	2,357	2,857	2,939	2,939	2,427	2,427
Wire	3,642	4,214	4,193	4,193	4,030	4,030
Pipe and tube	3,706	4,714	4,477	4,477	3,800	3,800
Alloy tool steel (all forms)	2,116	2,069	2,025	2,025	2,343	2,343
Average, stainless and alloy steel	2,306	2,631	2,641	2,641	2,318	2,318

^{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	January-July			
	1988	1989	1989	1990
Quantity (short tons)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	103,282	25,863	22,150	47,447
Blooms and billets-----	581,907	504,638	328,801	234,585
Slabs and sheet bars-----	2,097,383	1,605,189	946,613	988,594
Total-----	2,782,572	2,135,690	1,297,564	1,270,626
Plate:				
Carbon-----	1,750,917	1,312,364	734,398	745,374
Alloy-----	106,172	107,032	59,107	74,377
Total-----	1,857,090	1,419,396	793,505	819,751
Sheet and strip:				
Hot rolled:				
Sheet-----	2,199,268	1,835,755	1,022,739	1,049,766
Strip-----	49,553	110,452	61,281	56,648
Cold rolled:				
Black plate-----	145,166	144,642	85,667	80,397
Electrical-----	64,684	85,328	49,845	40,069
Other sheet-----	2,011,242	1,701,183	914,984	823,424
Other strip-----	126,534	112,196	67,501	68,224
Galvanized-----	1,948,811	1,625,227	902,262	940,894
Tin plate-----	294,552	337,330	205,986	189,575
Tin free-----	97,460	114,902	65,510	62,271
Other coated-----	248,111	235,827	142,905	116,892
Total-----	7,185,380	6,302,844	3,518,680	3,428,160
Bar:				
Hot rolled:				
Carbon-----	476,951	525,944	298,296	257,837
Alloy-----	186,902	238,912	154,897	116,293
Cold rolled:				
Carbon-----	161,345	118,180	74,568	53,009
Alloy-----	52,093	46,608	28,299	24,763
Reinforcing-----	357,253	233,733	185,716	72,341
Light structural shapes-----	126,568	100,927	69,273	47,858
Total-----	1,361,113	1,264,305	811,049	572,101

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-July	
			1989	1990
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,355,951	1,085,797	615,577	644,772
Alloy-----	118,672	42,620	27,946	9,716
Wire:				
Carbon-----	486,699	432,369	265,406	242,391
Alloy-----	33,028	40,615	24,157	24,986
Wire products:				
Nails-----	364,748	384,737	213,661	252,776
Barbed wire-----	15,538	12,440	8,466	10,824
Wire fencing-----	12,052	60,907	37,654	27,528
Bale ties-----	1,849	955	668	448
Wire strand-----	88,300	161,751	95,947	96,239
Wire rope-----	77,564	82,812	46,181	40,352
Milliners wire-----	12,400	0	0	1/
Total-----	2,566,801	2,305,004	1,335,663	1,350,033
Structurals:				
Heavy-----	1,955,762	1,477,782	1,009,271	535,691
Fabricated-----	232,705	162,579	93,818	72,890
Total-----	2,188,467	1,640,361	1,103,090	608,582
Rails and related products:				
Rails-----	260,006	244,236	142,944	154,588
Joint bars and tie plates-----	8,487	14,023	11,251	6,176
Track spikes-----	205	5,853	4,396	1,736
Wheels and axles-----	50,734	58,873	33,503	13,578
Total-----	319,432	322,985	192,093	176,077
Pipes and tubes:				
Oil country tubular goods-----	1,032,296	429,448	216,206	212,729
Line pipe-----	507,914	526,983	289,899	423,453
Mechanical pipe-----	382,270	281,056	211,261	107,426
Structural pipe-----	278,870	323,918	196,918	173,861
Pressure tubing-----	52,100	44,944	31,112	20,145
Other (including standard)-----	996,487	829,195	437,881	576,113
Total-----	3,249,937	2,435,544	1,383,277	1,513,725

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-July	
			1989	1990
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	3,877	191	64	52
Blooms and billets-----	40,772	42,268	25,925	25,247
Slabs and sheet bars-----	17,758	19,663	16,203	16,687
Total-----	62,407	62,121	42,192	41,985
Plate-----	15,847	17,713	10,525	11,197
Sheet and strip:				
Sheet:				
Hot rolled-----	7,331	8,070	4,477	3,805
Cold rolled-----	103,577	112,191	61,194	68,393
Strip-----	7,676	20,258	11,803	11,487
Total-----	118,584	140,519	77,474	83,684
Bars and shapes-----	40,724	43,417	23,177	24,632
Wire rod-----	19,210	21,698	13,130	14,313
Wire-----	20,653	21,319	13,367	10,779
Pipe and tube-----	36,752	37,258	24,806	28,099
Alloy tool steel (all forms):				
Semifinished <u>2</u> /-----	4,408	1,005	788	84
Bars-----	28,867	1,576	913	447
Other-----	10,820	45,732	27,158	22,620
Total-----	44,095	48,313	28,859	23,150

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-July	
			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	1.71	3.73
Blooms and billets-----	20.91	23.63	25.34	18.46
Slabs and sheet bars-----	75.38	75.16	72.95	77.80
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	94.28	92.46	92.55	90.93
Alloy-----	5.72	7.54	7.45	9.07
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	30.61	29.13	29.07	30.62
Strip-----	0.69	1.75	1.74	1.65
Cold rolled:				
Black plate-----	2.02	2.29	2.43	2.35
Electrical-----	0.90	1.35	1.42	1.17
Other sheet-----	27.99	26.99	26.00	24.02
Other strip-----	1.76	1.78	1.92	1.99
Galvanized-----	27.12	25.79	25.64	27.45
Tin plate-----	4.10	5.35	5.85	5.53
Tin free-----	1.36	1.82	1.86	1.82
Other coated-----	3.45	3.74	4.06	3.41
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	35.04	41.60	36.78	45.07
Alloy-----	13.73	18.90	19.10	20.33
Cold rolled:				
Carbon-----	11.85	9.35	9.19	9.27
Alloy-----	3.83	3.69	3.49	4.33
Reinforcing-----	26.25	18.49	22.90	12.64
Light structural shapes-----	9.30	7.98	8.54	8.37
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-July	
			1989	1990
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	52.83	47.11	46.09	47.76
Alloy-----	4.62	1.85	2.09	0.72
Wire:				
Carbon-----	18.96	18.76	19.87	17.95
Alloy-----	1.29	1.76	1.81	1.85
Wire products:				
Nails-----	14.21	16.69	16.00	18.72
Barbed wire-----	0.61	0.54	0.63	0.80
Wire fencing-----	0.47	2.64	2.82	2.04
Bale ties-----	0.07	0.04	0.05	0.03
Wire strand-----	3.44	7.02	7.18	7.13
Wire rope-----	3.02	3.59	3.46	2.99
Milliners wire-----	0.48	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	89.37	90.09	91.49	88.02
Fabricated-----	10.63	9.91	8.51	11.98
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	81.40	75.62	74.41	87.80
Joint bars and tie plates-----	2.66	4.34	5.86	3.51
Track spikes-----	0.06	1.81	2.29	0.99
Wheels and axles-----	15.88	18.23	17.44	7.71
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	31.76	17.63	15.63	14.05
Line pipe-----	15.63	21.64	20.96	27.97
Mechanical pipe-----	11.76	11.54	15.27	7.10
Structural pipe-----	8.58	13.30	14.24	11.49
Pressure tubing-----	1.60	1.85	2.25	1.33
Other (including standard)-----	30.66	34.05	31.66	38.06
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-July	
			1989	1990
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	6.21	0.31	0.15	0.12
Blooms and billets-----	65.33	68.04	61.44	60.13
Slabs and sheet bars-----	28.45	31.65	38.40	39.74
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	5.78	4.55
Cold rolled-----	87.34	79.84	78.99	81.73
Strip-----	6.47	14.42	15.23	13.73
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	2.08	2.73	0.36
Bars-----	65.47	3.26	3.16	1.93
Other-----	24.54	94.66	94.11	97.71
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-July	
Atlantic Coast	4,743,215		3,510,909		2,307,598	1,749,451
Great Lakes-Canadian border	6,342,613		5,688,226		3,063,912	2,959,013
Gulf Coast-Mexican border	5,938,464		4,561,954		2,785,820	2,577,046
Off-shore	403,506		371,695		256,211	153,952
Pacific Coast	4,441,267		4,085,702		2,254,913	2,237,432
Total	21,869,065		18,218,486		10,668,453	9,976,894

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-July 1990	
Carbon and certain alloy 1/						
steel:						
Semifinished 2/						
Plate	471,964	323,401	198,847	106,022		
Sheet and strip	331,537	216,546	140,248	121,520		
Bars and certain shapes	1,771,637	1,281,884	837,844	685,384		
Wire rod	220,708	155,134	110,617	67,145		
Wire	297,606	215,013	130,382	118,028		
Wire products	108,857	88,009	55,585	45,656		
Structural shapes and units	220,011	237,679	139,466	138,282		
Rails and related products	602,240	458,130	341,491	115,805		
Pipe and tube	36,885	35,669	19,313	19,072		
Total	523,784	340,606	233,917	225,013		
Total	4,585,229	3,352,071	2,207,710	1,643,928		
Stainless and alloy tool steel:						
Semifinished 2/						
Plate	24,249	14,669	10,500	17,303		
Sheet and strip	6,134	8,900	5,822	5,621		
Bars and certain shapes	45,874	47,438	29,661	30,354		
Wire rod	22,371	22,418	12,747	10,730		
Wire	13,526	16,289	9,949	10,509		
Pipe and tube	10,593	11,848	7,100	5,700		
Tool steel (all forms)	12,391	14,468	10,114	12,683		
Total	22,898	22,807	13,994	12,625		
Total	157,986	158,838	99,887	105,525		
Grand Total	4,743,215	3,510,909	2,307,598	1,749,453		

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	January-July		
	1988	1989	1990
Carbon and certain alloy 1/ steel:			
Semifinished 2/	414,978	393,604	213,898
Plate	723,681	551,017	271,645
Sheet and strip	2,396,464	2,145,556	1,064,018
Bars and certain shapes	625,771	650,140	371,361
Wire rod	545,070	466,968	266,543
Wire	253,271	230,319	144,762
Wire products	83,750	106,485	61,984
Structural shapes and units	522,423	375,682	209,285
Rails and related products	179,981	161,932	91,443
Pipe and tube	488,579	422,836	303,374
Total	6,233,970	5,574,539	2,998,314
Stainless and alloy tool steel:			
Stainless steel:			
Semifinished 2/	34,966	36,980	24,264
Plate	3,246	2,652	1,198
Sheet and strip	33,923	35,682	17,880
Bars and certain shapes	4,098	4,337	1,743
Wire rod	661	822	417
Wire	6,053	5,832	3,637
Pipe and tube	7,833	7,190	4,450
Tool steel (all forms)	17,864	20,192	12,011
Total	108,644	113,688	62,278
Grand Total	6,342,613	5,688,226	3,060,592

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 ¹	January-July		
	1988	1989	1990
Carbon and certain alloy 1/ steel:			
Semifinished 2/	1,061,770	684,289	513,490
Plate	567,614	439,139	255,565
Sheet and strip	1,558,244	1,316,891	793,349
Bars and certain shapes	137,056	157,610	108,226
Wire rod	349,946	220,248	135,739
Wire	64,524	61,675	37,041
Wire products	105,823	138,125	76,225
Structural shapes and units	493,074	323,672	227,393
Rails and related products	64,016	81,408	52,123
Pipe and tube	1,493,874	1,070,870	548,049
Total	5,893,942	4,493,927	2,741,200
Stainless and alloy tool steel:			
Stainless steel:			
Semifinished 2/	3,131	10,462	7,428
Plate	3,233	4,000	2,300
Sheet and strip	16,038	30,331	14,883
Bars and certain shapes	6,668	7,646	3,863
Wire rod	1,220	1,735	1,005
Wire	606	1,144	704
Pipe and tube	10,896	11,123	7,914
Tool steel (all forms)	42,730	1,585	7,522
Total	42,723	68,027	38,620
Grand Total	5,938,464	4,561,954	2,785,820
			2,577,046

^{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	January-July		
	1988	1989	1990
Carbon and certain alloy 1/ steel:			
Semifinished 2/-----	13,806	7,984	3,323
Plate-----	72,445	77,155	39,250
Sheet and strip-----	157,820	169,928	141,861
Bars and certain shapes-----	16,953	5,174	5,174
Wire rod-----	14,739	11,407	7,905
Wire-----	10,190	6,070	3,938
Wire products-----	21,786	28,269	21,414
Structural shapes and units-----	88	333	31,301
Rails and related products-----	97,829	66,215	31,919
Pipe and tube-----	401,758	370,534	255,086
Total-----			
Stainless and alloy tool steel:			
Stainless steel:			
Semifinished 2/-----	3/ 0	0	0
Plate-----	3/ 0	36	3/ 36
Sheet and strip-----	15	3/ 0	3/ 0
Bars and certain shapes-----	0	810	776
Wire rod-----	1,690	0	0
Wire-----	42	18	25
Pipe and tube-----	0	295	18
Tool steel (all forms)-----	1,748	1,161	1,226
Total-----	405,506	371,695	256,211
Grand Total-----			
			153,952

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-July 1990	
Carbon and certain alloy 1/ steel:						
Semifinished 2/	833,859	734,396	371,329	613,095		
Plate	220,352	204,710	122,725	70,883		
Sheet and strip	1,386,590	1,481,358	784,219	1,039,941		
Bars and certain shapes	219,758	131,492	78,984	59,956		
Wire rod	265,048	221,015	105,684	106,843		
Wire	78,336	81,573	44,270	46,334		
Wire products	152,677	215,243	120,964	116,763		
Structural shapes and units	548,943	454,608	303,506	146,007		
Rails and related products	38,461	43,644	28,914	39,640		
Pipe and tube	642,871	467,017	266,017	268,238		
Total	4,393,893	4,035,056	2,226,613	2,507,735		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	61	10	0	3		
Plate	3,233	2,159	1,206	1,713		
Sheet and strip	22,749	27,032	15,014	15,122		
Bars and certain shapes	7,573	9,015	4,823	4,819		
Wire rod	3,803	2,852	1,760	1,829		
Wire	1,711	1,685	1,149	1,740		
Pipe and tube	5,590	4,459	2,310	4,634		
Tool steel (all forms)	2,623	3,433	2,037	2,836		
Total	47,373	50,646	28,209	29,697		
Grand Total	4,441,267	4,085,702	2,254,822	2,537,432		

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

OFFICE OF THE CHAIRMAN
 REC-6
 11/07

November 27, 1989

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

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

Dear Madam Chairman:

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

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

Thank you for your cooperation in this matter.

Sincerely yours,

Dan Rostenkowski
 Dan Rostenkowski
 Chairman

SECRETARY
 OFFICE OF THE CHAIRMAN

DR/jn

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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 7020-02-M

[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 878.3535 and 878.3545 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(h) of the Commission's Rules of Practice and Procedure (19 CFR 207.2(h)).

² Chairman Brundsdale and Vice Chairman Case 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 7020-02-M

[332-226]

Monthly Reports on the Status of the Steel Industry

AGENCY: United States International Trade Commission.

ACTION: Continuation of investigation and monthly reports.

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

Background

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

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

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

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

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

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

By order of the Commission.

Issued: December 29, 1989.

Kenneth R. Mason,

Secretary.

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

BILLING CODE 7020-02-M

[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, 7306.3.5060, 7306.30.5075, 7306.50.1000, 7306.50.5030, 7306.50.5050, 7306.50.5070, 7306.60.5000, 7306.60.7000 of the HTS. Mechanical pipe is included in AISI product group 21A.

(iv) Structural pipe; provided for in items 7304.90.1000, 7304.90.3000, 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.

