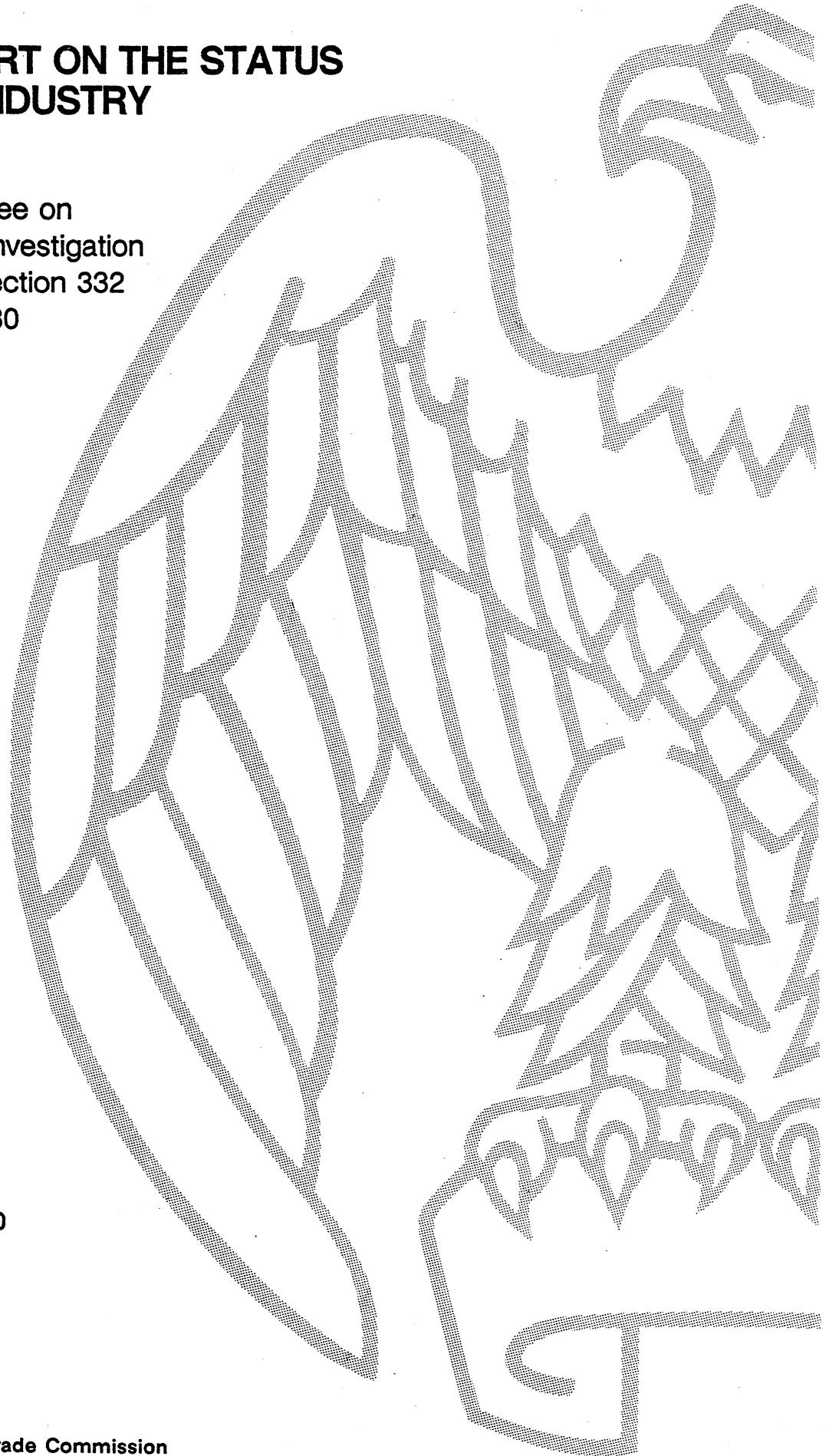


# **MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY**

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



**USITC PUBLICATION 2290**

**JUNE 1990**

**United States International Trade Commission  
Washington, DC 20436**

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**Washington, DC 20436**

## Monthly Review: France

During 1989, France, which produced 19.3 million metric tons of steel, was the world's ninth largest steel-producing country and the fifth largest foreign steel supplier to the United States, accounting for about 1.1 million metric tons (or seven percent) of steel imports.<sup>1</sup> A state-owned company, Usinor-Sacilor, accounts for over 90 percent of France's steel production and is the second largest steelmaker in the world.<sup>2</sup> Usinor-Sacilor, which produces a broad range of carbon and alloy flat and long products, was formed in 1987 when the French Government merged the operations of two companies, Usinor and Sacilor. These two companies had been nationalized in 1981.

Usinor-Sacilor's financial performance improved significantly in 1988, when the company (or its predecessor companies) earned its first profit after 13 consecutive years of losses. After divesting businesses not directly related to steel, shutting inefficient facilities, and decreasing its workforce by 63 percent (100,000 workers),<sup>3</sup> Usinor-Sacilor had net profits of \$700 million, representing return on sales of 6 percent, during 1988<sup>4</sup> and profits of \$1.4 billion, representing return on sales 8 percent, during 1989.<sup>5</sup> Its pretax costs per metric ton, formerly among the highest in the world, are now among the lowest; such costs amount to \$452 for Usinor-Sacilor, compared with \$519, on average, for U.S. producers.<sup>6</sup>

As Usinor-Sacilor's financial health has improved, the company has expanded its operations through the acquisition of foreign steelmaking and distributing businesses. Until recently, Usinor-Sacilor's acquisitions focused on European companies, principally those in West Germany and Italy. Usinor-Sacilor, for instance, acquired 70 percent of the Dillinger-Heutte Saarstahl (DHS) holding group, formed by the 1989 merger of Saarstahl Voelklingen, a long products producer owned by the Saarland government, and Dillinger-Heutte, a subsidiary of Usinor-Sacilor which produces flat products.<sup>7</sup> As a result of its majority ownership of DHS, Usinor-Sacilor is the second largest steelmaker in West Germany,<sup>8</sup> where one-quarter of Usinor-Sacilor's total workforce is currently employed.<sup>9</sup>

### Activities in the U.S. Market

During the past three quarters, Usinor-Sacilor and its subsidiaries have significantly increased their presence in the United States. Acquisitions and joint ventures have principally resulted in the enhancement of Usinor-Sacilor's position in the U.S. stainless flat-roll and wire markets and other narrowly-defined niche markets.

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<sup>1</sup> American Iron and Steel Institute, "Imports of Steel Mill Products by Country of Origin," December 1989.

<sup>2</sup> "France: Usinor-Sacilor End 13 Years of Losses," Steel Times, August 1989, p. 423.

<sup>3</sup> Stewart Toy et al., "France is Quietly Forging a Steel Empire," Business Week, April 30, 1990, p. 91.

<sup>4</sup> Tom Balcerek, "Georgetown Steel eyed by Unimetal," American Metal Market, March 28, 1990, p. 16.

<sup>5</sup> Toy, p. 91.

<sup>6</sup> Peter F. Marcus, World Steel Dynamics: Steel Strategist No. 16, December 1989, p. 127.

<sup>7</sup> Peter Wood, "Total Satisfaction for Dillinger-Saarstahl Merger in 6 Months Results," Steel Times, March 1990, p. 114.

<sup>8</sup> Toy, p. 91.

<sup>9</sup> Peter Wood, "Usinor Reaches Beyond the Rhine," Steel Times, March 1990, p. 114.

In January 1990, Francosteel Corp. (New York, NY), one of Usinor-Sacilor's three U.S.-based trading companies, purchased Interstate Steel (Des Plaines, IL), which distributes cold-rolled, galvanized, and specialty steels in the Chicago area. The acquisition complemented the longstanding activities of another subsidiary of Usinor-Sacilor, Metron Steel, which processes and finishes steel mill products such as plates and beams.<sup>10</sup> In addition, Imphy Alloys (one of Usinor-Sacilor's stainless long products producers) purchased Techalloy Co. (Armonk, NY) during January. Techalloy is a prominent stainless steel wire and strip processor.<sup>11</sup>

During March 1990, Unimetal (the long products division of Usinor-Sacilor) agreed in principle to purchase 50 percent of Georgetown Steel, a producer of carbon and alloy wire rod and reinforcing bar. Unimetal's injection of both advanced technology and capital will allow Georgetown to move into the higher end of the wire rod business, where it is reported that Georgetown has not competed effectively in the past.<sup>12</sup> Usinor-Sacilor has indicated that the purchase will enable the company to better supply clients such as Michelin and Bekaert, who require high-quality wire used in tire cord.<sup>13</sup>

In addition, Ugine Aciers (Usinor-Sacilor's stainless sheet and strip producer) agreed during March to purchase J&L Specialty Products Corp. (Pittsburgh, PA), the United States' second-largest stainless flat-roll producer, accounting for approximately 22 percent of the U.S. specialty steel market. Ugine's acquisition of J&L Specialty would make Usinor-Sacilor the largest producer of specialty steel in the world.<sup>14</sup>

During April, Imphy Alloy and Ugine Savoie (another of Usinor-Sacilor's stainless long products producers) agreed to purchase Alloy and Stainless (Mahwah, NJ), a major stainless steel wire-drawer and trading company. Since the agreement, Usinor-Sacilor has indicated that Techalloy will be merged with Alloy and Stainless to form the largest specialty wire producer in the United States.<sup>15</sup>

Finally, it has been reported that Usinor-Sacilor has requested a confidentiality agreement from LTV Corp., the third largest steelmaker in the United States, as a prelude to negotiations regarding the acquisition of a share of the company. Such an acquisition would enhance Usinor-Sacilor's participation in the U.S. sheet and strip market and might be welcomed by LTV's creditors; LTV has been in Chapter 11 bankruptcy proceedings since July 1986.<sup>16</sup> Further development of this issue, however, appears unlikely until the U.S. Supreme Court rules on a dispute between LTV and the Pension Benefits Guarantee Corporation, which could increase LTV's liabilities by \$2 to \$3 billion. The Supreme Court is expected to make this ruling by December 1990.

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<sup>10</sup> Tom Balcerak, "Usinor has French word for its US spree: niche," American Metal Market, May 4, 1990, p. 1.  
<sup>11</sup> Peter Scolieri, "Usinor to merge 2 wire acquisitions," American Metal Market, April 19, 1990, p. 1.  
<sup>12</sup> Balcerak, "Georgetown Steel eyed by Unimetal," p. 1.  
<sup>13</sup> Balcerak, "Usinor has French word for its US spree: niche," p. 1.  
<sup>14</sup> "Usinor makes two new moves into US steel," Metal Bulletin, March 29, 1990, p. 31.  
<sup>15</sup> Scolieri, "Usinor to merge 2 wire acquisitions," p. 1.  
<sup>16</sup> Balcerak, "Usinor has French word for its US spree: niche," p. 8.

## Motivation

Usinor-Sacilor's executives indicate that the company's acquisitions and joint ventures are designed to improve its relationship with customers located in the United States.<sup>17</sup> In this regard, just-in-time inventory practices and progressively stringent product specifications are obliging steel producers to maintain closer business and technical relationships with large steel consumers, many of which have established facilities overseas. As mentioned above, this motive appears to have been a particularly important factor in the formation of the joint venture between Unimetal and Georgetown Steel.<sup>18</sup>

Usinor-Sacilor's activities may also reflect dissatisfaction with limited participation in the U.S. market and uncertainty regarding the future trade environment. Usinor-Sacilor's executives have described the U.S. market as attractive,<sup>19</sup> but their exports to the United States are constrained by the Voluntary Restraint Agreements (VRAs), which limit the EC's shipments to the United States through March 1992. France's shipments of stainless sheet and strip and stainless wire - products for which France negotiated some of its highest market share quota rights - are limited to 2.5 percent and 3.5 percent, respectively, of the U.S. markets for these items.<sup>20</sup> As mentioned, by acquiring J&L Specialty, Usinor-Sacilor would increase its share of the U.S. stainless sheet and strip market to 22 percent.

Uncertainty regarding the future trading environment may also have motivated such acquisitions. Certain representatives of the European steel industry have expressed doubt regarding the termination of the VRAs in March 1992,<sup>21</sup> and there is a question as to whether steel from Usinor-Sacilor will be subject to countervailing duties when the VRAs expire. Since 1975, Usinor-Sacilor has reportedly received subsidies totalling nearly \$20 billion.<sup>22</sup>

Richard Brown  
252-1438

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<sup>17</sup> Francis Mer at 1990 Joint Convention of American Institute for Imported Steel, Texas Association of Steel Importers, and West Coast Metal Importers Association, Washington, D.C., April 27, 1990.

<sup>18</sup> Balcerak, "Usinor has French word for its US spree: niche," p. 1.

<sup>19</sup> Ibid.

<sup>20</sup> "VRAs - Up But Not Out," Metal Bulletin Monthly, February 1990, p. 33.; and Commission Decision No. 3724/89/ECSC of 11 December 1989 on the restriction of exports of certain steel products to the United States of America, Official Journal of the European Communities, December 18, 1989, p. 36.

<sup>21</sup> Toy, p. 91.

<sup>22</sup> Thomas R. Howell et al., Steel and the State: Government Intervention and Steel's Structural Crisis (Boulder and London, 1988), ch. on the European Community, p. 137-138.

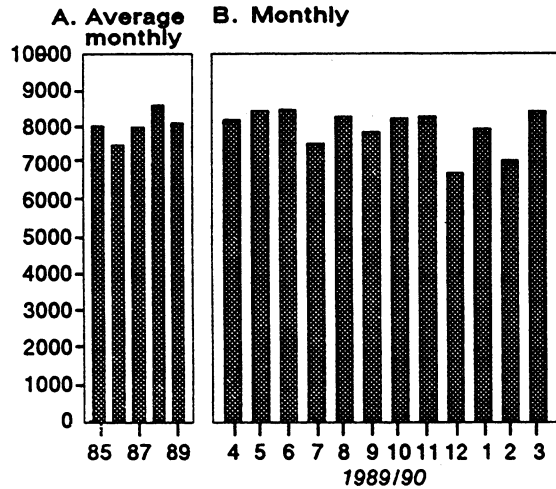
Monthly Review:  
Selected Industry and Trade Topics

## Subject Index

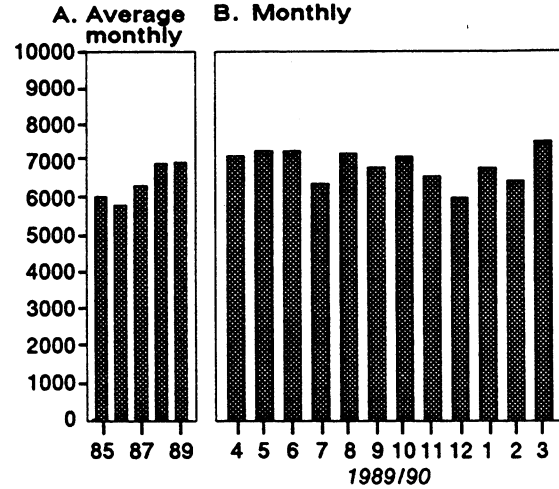
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## U.S. STEEL INDUSTRY HIGHLIGHTS

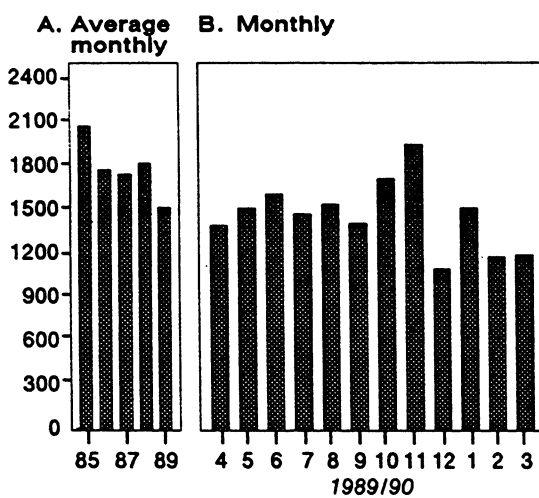
**Figure 1**  
U.S. apparent steel consumption  
1,000 short tons



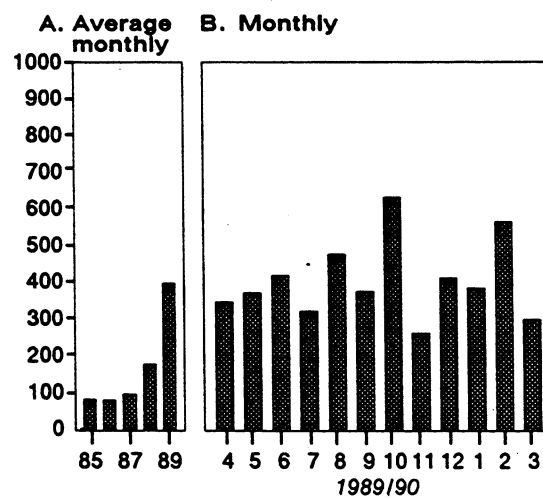
**Figure 2**  
U.S. steel shipments  
1,000 short tons



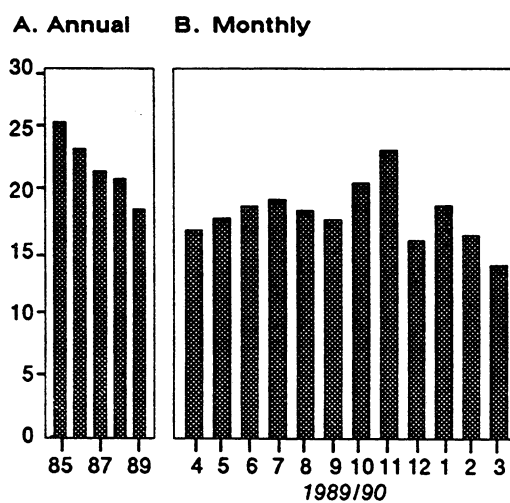
**Figure 3**  
U.S. steel imports  
1,000 short tons



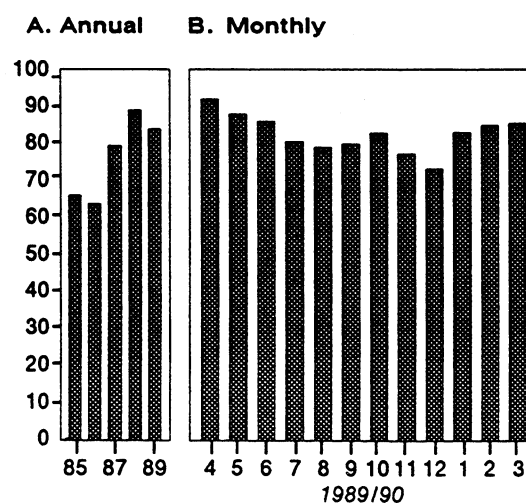
**Figure 4**  
U.S. steel exports  
1,000 short tons



**Figure 5**  
U.S. steel import penetration <sup>1</sup>  
Percent



**Figure 6**  
U.S. raw steel capacity utilization  
Percent



<sup>1</sup> 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,<sup>1</sup> 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.<sup>2</sup> 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).<sup>3</sup> 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

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<sup>1</sup>See appendix A for a copy of the request.

<sup>2</sup>See appendix B for the notice of continuation.

<sup>3</sup>Affirmative decisions were rendered in the case of semifinished steel, plates, sheets and strip, wire and wire products, and structural shapes and units. Negative determinations were rendered in the case of wire rod, railway type products, bars, and pipes and tubes.



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.<sup>4</sup>

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.<sup>5</sup> 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.<sup>6</sup> 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.

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<sup>4</sup>Negotiations 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.

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

<sup>6</sup>Countries 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 Period 1/	Second Period 1/	Third 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

<sup>1</sup> 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.

<sup>2</sup> 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.

Following consultation with the U.S. Department of Commerce, the ITC staff made the following revision to the February 1990 data: 7,609 tons of tool steel imports from Mexico (table 28) were reclassified as carbon and certain alloy semi-finished steel imports (table 10).

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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-March						
	1985	1986	1987	1988	1989	1990	
Raw steel:							
Production (1,000 short tons)....	88,259	81,606	89,151	99,924	97,480	25,762	24,410
Capability utilization							
(percent).....	66.1	63.8	79.5	89.2	84.1	89.7	84.7
Continuously cast (percent).....	44.4	55.2	59.8	61.3	64.6	62.2	66.3
Employment:							
Total (thousands) <sup>1</sup> .....	302.6	273.5	268.4	277.2	274.3	276.2	268.3
Production workers							
(thousands) <sup>1</sup> .....	231.5	208.8	202.9	214.6	211.6	214.1	206.2
Hourly employment cost <sup>2</sup>							
(dollars).....	22.81	23.24	23.71	24.65	24.63	24.50	25.27
Steel:							
Shipments (1,000 short tons)....	73,043	70,263	76,654	83,840	84,259	21,941	20,946
Imports (1,000 short tons).....	24,885	21,289	20,938	21,869	18,219	4,558	3,881
Exports (1,000 short tons).....	992	980	1,176	2,152	4,778	1,133	1,250
Apparent consumption (1,000 short tons).....	96,936	90,572	96,416	103,558	97,700	25,365	23,576
Ratio of imports to consumption							
(percent).....	25.7	23.5	21.7	21.1	18.6	17.9	16.4
Steel operations:							
Net steel sales (million dollars).....	28,272	24,875	26,933	32,466	31,969	3	3
Net steel income (million dollars).....	(1,834)	(4,150)	1,077	(565)	1,478	3	3
Ratio of income to net sales							
(percent).....	(6.5)	(16.7)	4	(1.7)	4.6	3	3

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

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

<sup>3</sup>Not available.

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

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

Item	1985-1989					1989		1990	
	1985	1986	1987	1988	1989	1989	1990		
<b>All grades of steel:</b>									
Semifinished	1,374,524	1,485,249	1,593,216	1,927,658	1,850,245	543,149	474,936		
Plate	4,327,347	3,564,806	4,047,919	7,327,887	7,293,115	1,832,046	2,018,694		
Sheet and strip	40,850,298	40,493,141	43,288,266	44,707,915	45,376,975	11,909,078	10,787,420		
Bars & certain shapes 1/	12,667,539	12,171,142	13,575,114	14,488,773	14,510,007	3,791,862	3,759,956		
Wire rod	2,961,769	3,463,827	3,840,494	4,048,230	4,229,889	1,040,588	1,021,364		
Wire	874,135	800,259	800,063	1,072,698	1,005,407	268,968	247,645		
Wire products	262,268	278,068	304,761	304,761	304,761	304,761	304,761		
Structural shapes & units	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	1,449,201	1,369,619		
Rails & related products	4,931,313	640,197	514,647	615,303	544,771	161,990	139,031		
Pipe and tube	4,025,825	2,836,458	3,569,647	4,543,251	4,010,591	943,733	1,127,191		
Total	73,043,323	70,262,779	76,633,841	83,840,469	84,259,404	21,940,615	20,945,856		
<b>Carbon &amp; certain alloy 2/</b>									
Semifinished	1,327,766	1,435,662	1,516,152	1,851,197	1,753,249	518,098	443,782		
Plate	4,185,883	3,448,947	3,888,838	7,145,009	7,123,691	1,781,206	1,968,211		
Sheet and strip	40,018,167	39,693,739	42,347,623	43,663,695	44,419,414	11,634,259	10,553,678		
Bars & certain shapes	12,478,002	11,996,343	13,391,238	14,284,744	14,304,189	3,739,484	3,709,719		
Wire rod	2,931,897	3,427,428	3,792,420	3,990,472	4,193,118	1,029,306	1,013,298		
Wire	851,841	777,604	773,329	1,043,112	980,707	261,071	242,021		
Wire products	262,268	278,068	304,761	304,761	304,761	304,761	304,761		
Structural shapes & units	4,698,305	4,527,632	5,119,714	5,208,754	5,438,404	1,449,201	1,369,619		
Rails & related products	4,931,313	640,197	514,647	615,303	544,771	161,990	139,031		
Pipe and tube	4,046,711	2,794,218	3,527,867	4,387,761	3,962,470	929,880	1,115,414		
Total	71,732,213	69,019,838	75,176,909	82,190,047	82,720,013	21,506,495	20,554,773		
<b>Stainless &amp; alloy tool steel:</b>									
Semifinished	46,758	49,587	77,064	76,461	96,996	25,051	31,154		
Plate	141,464	115,859	159,081	182,878	169,624	50,840	50,483		
Sheet and strip	832,131	799,402	940,643	1,044,220	957,561	274,819	233,762		
Bars & certain shapes	129,267	119,024	125,441	139,752	138,618	35,465	37,296		
Wire rod	29,872	36,399	47,754	57,758	36,771	11,282	8,066		
Wire	22,294	24,655	26,734	29,586	24,700	7,897	5,624		
Pipe and tube	49,054	42,240	41,780	55,490	48,121	13,853	11,777		
Tool steel (all forms)	60,270	55,775	58,435	64,277	67,200	16,913	12,941		
Total	1,311,110	1,242,941	1,476,932	1,650,422	1,539,391	436,120	391,083		

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-March				
	1985	1986	1987	1988	1989
<b>All grades of steel:</b>					
Semifinished	2,440,368	2,084,322	2,288,995	2,844,979	2,197,811
Plate	1,772,309	1,456,790	1,566,694	1,872,937	1,437,109
Sheet and strip	9,046,089	8,278,604	7,875,891	7,303,964	6,443,362
Bars & certain shapes 1/	1,550,559	1,476,368	1,359,758	1,445,935	1,365,439
Wire rod	1,476,145	1,362,753	1,467,030	1,493,833	1,150,116
Wire	612,485	582,022	555,981	540,380	494,303
Wire products	674,960	636,591	649,377	572,451	703,602
Structural shapes & units	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361
Rails & related products	382,046	2,275,710	2,295,988	319,432	322,985
Pipe and tube	4,489,287	2,956,303	2,713,091	3,286,629	623,898
Total	24,884,651	21,289,120	20,938,474	21,869,065	18,218,486
<b>Carbon &amp; certain alloy 2/</b>					
Semifinished	2,430,078	2,066,700	2,232,270	2,782,572	2,135,690
Plate	1,760,812	1,440,375	1,555,577	1,857,090	1,419,396
Sheet and strip	8,910,469	8,127,033	7,746,596	7,185,380	6,302,844
Bars & certain shapes	1,475,447	1,393,731	1,281,168	1,361,113	1,264,305
Wire rod	1,456,078	1,344,256	1,448,720	1,474,623	1,128,417
Wire	590,317	564,481	536,897	519,727	472,984
Wire products	674,960	636,591	649,377	572,451	703,602
Structural shapes & units	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361
Rails & related products	382,046	2,275,710	2,295,988	319,432	322,985
Pipe and tube	4,457,277	2,923,029	2,748,644	3,249,937	614,034
Total	24,577,887	20,951,563	20,598,906	21,510,792	17,826,128
<b>Stainless &amp; alloy tool steel:</b>					
Semifinished	10,290	17,622	56,725	62,407	62,121
Plate	11,497	16,415	11,118	15,847	17,713
Sheet and strip	135,620	151,571	129,295	118,584	140,519
Bars & certain shapes	37,970	37,888	37,991	40,724	43,417
Wire rod	20,067	18,496	18,311	19,210	21,698
Wire	22,169	17,541	19,084	20,653	21,319
Pipe and tube	32,009	33,274	26,448	36,752	6,144
Tool steel (all forms)	37,142	44,749	40,599	66,095	48,313
Total	306,764	337,556	339,571	358,272	392,358
<b>January-March</b>					
					1989
					1990
					551,777
					265,796
					1,305,013
					243,846
					286,828
					118,796
					184,927
					244,172
					72,253
					607,100
					3,880,508
					491,110
					392,601
					1,497,825
					1,365,439
					300,715
					130,939
					165,250
					494,283
					96,265
					623,898
					4,558,325
					541,360
					261,722
					1,272,831
					223,889
					281,065
					114,215
					184,927
					244,172
					72,253
					597,717
					3,794,151
					18,131
					5,116
					34,735
					10,904
					6,992
					6,144
					9,865
					13,312
					102,562
					86,356

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					January-March	
	1985	1986	1987	1988	1989	1989	1990
<b>All grades of steel:</b>							
Semifinished--	89,708	58,885	73,543	61,430	390,812	41,624	187,899
Plate--	82,988	69,561	96,538	119,393	630,689	243,513	73,243
Sheet and strip--	375,396	507,420	556,991	1,374,056	2,521,649	561,766	382,375
Bars & certain shapes 1/--	99,096	81,224	121,869	141,461	258,640	49,480	76,002
Wire rod--	4,740	5,876	8,217	10,161	36,093	5,437	15,956
Wire--	19,146	26,760	26,669	36,668	31,344	6,801	15,956
Wire products--	19,253	24,731	23,257	27,847	32,160	5,325	13,853
Structural shapes & units--	89,031	71,525	101,373	111,614	260,750	59,147	109,814
Rails & related products--	13,430	13,131	15,755	18,855	86,464	17,615	272,712
Pipe and tube--	199,258	121,050	152,155	250,390	442,993	142,799	105,973
Total--	992,046	980,167	1,176,367	2,151,875	4,691,593	1,133,467	1,250,420
<b>Carbon &amp; certain alloy 2/--</b>							
Semifinished--	82,650	57,932	71,362	58,598	376,984	39,799	184,963
Plate--	74,937	66,042	92,057	107,546	623,412	241,023	66,582
Sheet and strip--	349,620	477,803	501,010	1,328,485	2,475,995	548,260	360,560
Bars & certain shapes--	89,241	72,134	111,619	124,911	223,749	37,236	69,061
Wire rod--	3,716	5,049	6,889	8,676	30,588	4,287	9,774
Wire--	17,182	24,033	22,863	32,209	28,730	6,162	13,979
Wire products--	19,253	24,731	23,257	27,847	32,160	5,325	13,853
Structural shapes & units--	89,031	71,525	101,373	111,614	260,750	59,147	109,814
Rails & related products--	13,430	13,131	15,755	18,855	86,464	17,615	272,712
Pipe and tube--	193,309	118,010	143,405	244,192	434,925	140,077	98,301
Total--	932,389	930,390	1,089,590	2,062,933	4,573,757	1,098,931	1,199,599
<b>Stainless &amp; alloy tool steel:</b>							
Semifinished--	7,058	953	2,181	2,833	13,829	1,825	2,935
Plate--	8,031	3,523	4,481	11,847	7,277	2,490	6,661
Sheet and strip--	25,776	29,617	55,981	45,571	45,653	13,506	21,815
Bars & certain shapes--	7,762	6,946	7,189	12,047	16,399	5,017	5,432
Wire rod--	1,024	828	1,328	1,486	5,505	1,149	2,817
Wire--	1,964	2,728	3,806	4,459	2,614	639	1,977
Pipe and tube--	5,948	3,040	8,751	6,198	8,067	2,682	7,673
Tool steel (all forms)--	2,094	2,144	3,061	4,502	18,992	7,228	1,509
Total--	59,657	49,779	86,778	88,943	117,836	34,536	50,819

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	1989					January-March	
	1985	1986	1987	1988	1989	1989	1990
<b>All grades of steel:</b>							
Semifinished	3,725,184	3,510,686	3,808,668	4,711,207	3,657,244	992,635	838,814
Plate	6,016,668	4,952,031	5,518,075	9,081,431	8,099,535	1,981,134	2,211,247
Sheet and strip	49,520,991	48,264,325	50,607,166	50,637,823	49,298,688	12,845,137	11,710,058
Bars & certain shapes 1/	14,119,002	13,566,286	14,813,003	15,793,244	15,607,402	4,107,821	3,927,800
Wire rod	4,433,174	4,820,704	5,299,507	5,531,902	5,343,912	1,335,866	1,295,601
Wire	1,467,474	1,357,521	1,329,375	2,121,014	2,139,808	553,031	521,559
Wire products	917,975	889,928	930,881	3/	3/	3/	3/
Structural shapes & units	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	1,884,337	1,503,977
Rails & related products	1,299,929	902,776	744,880	915,880	781,292	240,640	61,428
Pipe and tube	8,385,854	5,671,711	6,192,583	7,479,551	6,040,401	1,424,872	1,628,316
Total	96,935,928	90,571,732	96,415,948	103,557,659	97,786,297	25,363,473	23,575,944
<b>Carbon &amp; certain alloy steel:</b>							
Semifinished	3,675,194	3,444,430	3,677,060	4,575,171	3,511,955	951,278	800,179
Plate	5,871,738	4,823,280	5,352,358	8,894,553	7,919,675	1,927,669	2,163,351
Sheet and strip	48,579,016	47,342,969	49,593,209	49,520,590	48,246,263	12,549,089	11,465,949
Bars & certain shapes	13,864,208	13,317,940	14,560,787	15,520,946	15,344,745	4,046,108	3,864,547
Wire rod	4,384,259	4,766,635	5,234,571	5,456,419	5,290,947	1,320,742	1,284,589
Wire	1,424,976	1,318,032	1,287,363	2,075,234	2,096,403	539,629	513,331
Wire products	917,975	889,928	930,881	3/	3/	3/	3/
Structural shapes & units	7,049,677	6,635,764	7,172,010	7,285,607	6,818,015	1,884,337	1,503,977
Rails & related products	1,299,929	902,776	744,880	915,880	781,292	240,640	61,428
Pipe and tube	8,310,739	5,599,237	6,133,106	7,393,506	5,963,089	1,403,837	1,614,830
Total	95,377,711	89,041,011	94,686,225	101,637,906	95,972,384	24,861,329	23,149,325
<b>Stainless &amp; alloy tool steel:</b>							
Semifinished	49,990	66,256	131,608	136,035	145,288	41,357	38,637
Plate	144,930	128,751	165,718	186,878	179,860	53,466	47,895
Sheet and strip	941,975	921,356	1,013,957	1,117,233	1,052,427	296,048	244,109
Bars & certain shapes	159,475	149,966	156,243	168,429	165,636	40,715	42,768
Wire rod	48,915	54,067	64,737	75,482	52,964	15,125	11,011
Wire	42,499	39,468	42,012	43,780	43,405	13,402	8,228
Pipe and tube	75,115	72,474	59,477	86,044	77,312	21,036	13,487
Total	95,318	98,380	95,973	103,870	97,021	22,997	20,485
Total	1,558,217	1,530,718	1,729,725	1,919,751	1,813,913	504,146	426,620

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,085	274,578	109,375	63,439
Austria -----	138,101	86,486	9,751	22,447
Brazil -----	1,476,896	1,391,142	363,547	286,661
Czechoslovakia -----	37,301	25,693	745	1,264
East Germany -----	92,239	55,867	19,244	18,352
EC countries -----	6,276,220	5,676,977	1,287,437	1,033,288
Finland -----	212,989	216,716	50,759	63,767
Hungary -----	30,094	28,420	4,448	0
Japan -----	4,343,898	3,695,906	1,012,925	717,837
Mexico -----	488,367	467,605	74,838	190,887
Peoples Rep of China -----	68,840	62,028	11,020	15,353
Poland -----	89,648	72,786	19,230	11,233
Romania -----	102,548	49,451	4,694	1,672
Republic of South Africa -----	1,693	756	246	191
Korea, Republic of -----	1,572,602	1,191,970	288,956	322,144
Trinidad and Tobago -----	31,518	48,028	6,811	23,515
Venezuela -----	169,383	173,642	23,001	33,511
Yugoslavia -----	12,751	8,222	1,346	3,559
<b>Total-----</b>	<b>15,427,173</b>	<b>13,526,273</b>	<b>3,288,373</b>	<b>2,809,120</b>
<b>Other countries:</b>				
Canada -----	3,430,920	3,218,260	864,662	778,885
Sweden -----	575,055	254,507	79,800	49,556
Argentina -----	558,011	227,866	31,454	38,388
Turkey -----	307,985	211,804	43,826	43,716
Taiwan -----	252,112	164,019	48,303	50,477
India -----	100,261	106,110	36,393	24,536
Norway -----	181,502	90,181	26,633	4,776
Singapore -----	153,164	78,918	23,850	13,375
New Zealand -----	88,980	78,564	28,704	23,049
Indonesia -----	281,142	69,344	25,506	8,830
All others -----	512,760	192,639	60,823	35,803
<b>Total-----</b>	<b>6,441,892</b>	<b>4,692,212</b>	<b>1,269,954</b>	<b>1,071,391</b>
<b>Grand total-----</b>	<b>21,869,065</b>	<b>18,218,485</b>	<b>4,558,327</b>	<b>3,880,511</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,494	126,633	42,103	22,637
Austria -----	82,907	67,871	12,426	16,769
Brazil -----	463,632	473,506	123,957	79,637
Czechoslovakia -----	12,019	8,890	424	489
East Germany -----	31,340	18,908	6,390	5,996
EC countries -----	2,981,610	2,945,914	691,970	545,484
Finland -----	101,105	91,999	23,064	26,182
Hungary -----	8,600	9,155	1,430	-
Japan -----	2,562,005	2,426,329	625,976	504,799
Mexico -----	240,693	252,029	44,363	88,846
Peoples Rep of China -----	27,574	34,627	6,069	8,280
Poland -----	30,281	26,614	7,105	4,184
Romania -----	36,063	17,374	1,755	641
Republic of South Africa -----	1,487	594	225	144
Korea, Republic of -----	770,065	638,311	147,073	173,455
Trinidad and Tobago -----	8,602	14,695	2,356	6,623
Venezuela -----	53,699	61,681	9,042	13,193
Yugoslavia -----	5,947	3,423	490	1,428
<b>Total</b> -----	<b>7,536,123</b>	<b>7,218,553</b>	<b>1,746,218</b>	<b>1,498,787</b>
<b>Other countries:</b>				
Canada -----	1,706,602	1,697,641	461,157	393,238
Sweden -----	358,878	278,349	79,539	60,185
Argentina -----	221,845	110,210	12,648	19,689
Turkey -----	93,038	65,996	13,575	13,114
Taiwan -----	134,663	107,331	28,688	35,553
India -----	43,769	45,816	13,667	12,228
Norway -----	55,371	33,921	9,298	3,230
Singapore -----	50,365	32,735	9,408	6,291
New Zealand -----	35,995	41,302	13,525	11,008
Indonesia -----	81,687	24,760	8,819	3,874
All others -----	194,569	92,265	28,019	19,858
<b>Total</b> -----	<b>2,976,782</b>	<b>2,530,326</b>	<b>678,343</b>	<b>578,268</b>
<b>Grand total</b> -----	<b>10,512,905</b>	<b>9,748,879</b>	<b>2,424,561</b>	<b>2,077,055</b>

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-March	
			1989	1990
Quantity (Short tons)				
VRA countries:				
Australia -----	202,683	205,832	73,371	26,935
Austria -----	138,029	86,486	9,751	22,447
Brazil -----	755,083	724,260	223,414	74,588
Czechoslovakia -----	37,301	25,693	745	1,264
East Germany -----	92,239	55,867	19,244	18,352
EC-----	5,084,148	4,732,130	1,073,341	819,108
Finland -----	209,750	182,165	50,759	63,767
Hungary -----	30,094	28,420	4,448	0
Japan -----	4,264,692	3,608,721	984,574	716,436
Mexico -----	424,451	390,447	71,103	124,854
Peoples Rep of China -----	68,840	62,023	11,020	15,341
Poland -----	89,295	72,493	18,990	11,233
Romania -----	102,548	49,451	4,694	1,672
Republic of South Africa -----	1,693	750	246	191
Korea, Republic of -----	1,515,157	1,125,936	277,692	322,126
Trinidad and Tobago -----	28,460	48,028	6,811	23,515
Venezuela -----	119,720	125,160	23,001	33,511
Yugoslavia -----	12,751	8,222	1,346	3,559
<b>Total-----</b>	<b>13,176,934</b>	<b>11,532,084</b>	<b>2,854,550</b>	<b>2,278,899</b>
Other countries:				
Canada -----	3,327,082	3,098,487	845,631	761,006
Argentina -----	535,190	227,011	31,392	38,388
Turkey -----	307,985	211,804	43,826	43,716
Sweden -----	269,005	183,284	47,481	46,130
Taiwan -----	252,112	164,018	48,303	50,455
India -----	100,261	106,110	36,393	24,536
Norway -----	116,917	84,304	20,756	4,776
Singapore -----	153,164	78,918	23,850	13,375
New Zealand -----	42,766	78,564	28,704	23,049
Indonesia -----	276,988	69,344	25,506	8,830
All others-----	465,682	186,746	60,822	35,569
<b>Total-----</b>	<b>5,847,152</b>	<b>4,488,590</b>	<b>1,212,664</b>	<b>1,049,830</b>
<b>Grand total-----</b>	<b>19,024,086</b>	<b>16,020,674</b>	<b>4,067,214</b>	<b>3,328,729</b>

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-March	
			1989	1990
Import/consumption ratio (percent)				
-----				
VRA countries:				
Australia -----	.2	.2	.3	.1
Austria -----	.1	.1	2/	.1
Brazil -----	.8	.8	.9	.3
Czechoslovakia -----	2/	2/	2/	2/
East Germany -----	.1	.1	.1	.1
EC-----	5.2	5.1	4.4	3.6
Finland -----	.2	.2	.2	.3
Hungary -----	2/	2/	2/	2/
Japan -----	4.4	3.9	4.1	3.1
Mexico -----	.4	.4	.3	.5
Peoples Rep of China -----	.1	.1	2/	.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	1.4
Trinidad and Tobago -----	2/	.1	2/	.1
Venezuela -----	.1	.1	.1	.1
Yugoslavia -----	2/	2/	2/	2/
Total-----	13.5	12.4	11.8	10.0
Other countries:				
Canada -----	3.4	3.3	3.5	3.3
Argentina -----	.5	.2	.1	.2
Turkey -----	.3	.2	.2	.2
Sweden -----	.3	.2	.2	.2
Taiwan -----	.3	.2	.2	.2
India -----	.1	.1	.2	.1
Norway -----	.1	.1	.1	2/
Singapore -----	.2	.1	.1	.1
New Zealand -----	2/	.1	.1	.1
Indonesia -----	.3	.1	.1	2/
All others-----	.5	.2	.3	.2
Total-----	6.0	4.8	5.0	4.6
Grand total-----	19.5	17.2	16.8	14.6

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)			
		1988	1989	January--March 1989	January--March 1990
<b>VRA countries:</b>					
Australia	127,438	79,402	68,747	36,003	36,504
Austria	3/	73	0	0	0
Brazil	987,102	721,813	666,882	140,133	212,073
Czechoslovakia	4/	0	0	0	0
East Germany	820,785	1,192,072	944,846	214,096	214,179
Finland	17,280	3,239	34,551	0	0
Hungary	3/	0	0	0	0
Japan	95,038	79,206	87,185	28,351	1,401
Mexico	259,195	63,916	77,158	3,735	66,033
Peoples Rep of China	3/	0	5	0	12
Poland	3/	353	293	241	0
Romania	3/	0	0	0	0
Republic of South Africa	2/	0	7	0	0
Korea, Republic of	292,675	57,445	66,033	11,264	17
Trinidad and Tobago	24,250	3,058	0	0	0
Venezuela	74,519	49,663	48,482	0	0
Yugoslavia	3/	0	0	0	0
<b>Total</b>	6/	2,250,240	1,994,189	433,823	530,219
<b>Other countries:</b>					
Canada	6/	103,838	119,773	19,031	17,879
Sweden	6/	306,050	71,223	32,319	3,426
Norway	6/	64,585	5,877	5,877	0
Soviet Union	6/	67,078	5,860	0	0
Argentina	6/	22,820	855	62	231
Switzerland	6/	0	31	0	22
Taiwan	6/	0	0	0	0
Israel	6/	0	0	0	0
Indonesia	6/	4,154	0	0	0
New Zealand	6/	46,214	0	0	0
<b>Total</b>	6/	594,739	203,619	57,289	21,558
<b>Grand total</b>	6/	2,844,979	2,197,808	491,112	551,777

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/ Ceiling level unknown because country's voluntary restraint arrangement not yet made public.

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

6/ Not applicable.

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

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	79,402	68,747	36,003	36,504
Austria -----	0	0	0	0
Brazil -----	720,130	666,882	140,133	212,073
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	1,181,448	930,852	209,648	214,126
Finland -----	3,239	34,551	0	0
Hungary -----	0	0	0	0
Japan -----	77,271	86,487	28,087	1,279
Mexico -----	63,916	76,982	3,735	65,915
Peoples Rep of China -----	0	5	0	12
Poland -----	279	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	7	0	0
Korea, Republic of -----	57,445	66,033	11,264	17
Trinidad and Tobago -----	3,058	0	0	0
Venezuela -----	49,663	48,482	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>2,235,851</b>	<b>1,979,028</b>	<b>428,870</b>	<b>529,926</b>
<b>Other countries:</b>				
Canada -----	70,310	83,218	8,400	11,181
Sweden -----	291,559	60,821	29,771	2/
Norway -----	64,585	5,877	5,877	0
Soviet Union -----	47,078	5,860	0	0
Argentina -----	22,820	855	62	0
Switzerland -----	2/	31	0	231
New Zealand -----	46,214	0	0	0
Taiwan -----	0	0	0	21
Indonesia -----	4,154	0	0	0
<b>Total-----</b>	<b>546,720</b>	<b>156,662</b>	<b>44,110</b>	<b>11,433</b>
<b>Grand total-----</b>	<b>2,782,571</b>	<b>2,135,690</b>	<b>472,980</b>	<b>541,359</b>

See footnote(s) at end of table.

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

Item	1988	1989	January--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	15,165	14,426	6,307	7,769
Austria -----	0	0	0	0
Brazil -----	161,215	166,678	35,597	46,245
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	290,884	244,360	53,007	51,830
Finland -----	770	10,811	0	0
Hungary -----	0	0	0	0
Japan -----	19,499	24,972	7,129	1,638
Mexico -----	17,342	19,722	1,421	14,328
Peoples Rep of China -----	0	7	0	12
Poland -----	69	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	18	0	0
Korea, Republic of -----	14,573	16,133	2,698	23
Trinidad and Tobago -----	617	0	0	0
Venezuela -----	11,049	10,072	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>531,183</b>	<b>507,199</b>	<b>106,159</b>	<b>121,845</b>
<b>Other countries:</b>				
Canada -----	21,337	27,484	4,973	4,082
Sweden -----	73,544	15,249	7,625	7
Norway -----	14,757	1,288	1,288	0
Soviet Union -----	6,946	843	0	0
Argentina -----	6,147	336	21	0
Switzerland -----	3	155	0	255
New Zealand -----	13,489	0	0	0
Taiwan -----	0	0	0	25
Indonesia -----	1,196	0	0	0
<b>Total-----</b>	<b>137,419</b>	<b>45,355</b>	<b>13,907</b>	<b>4,369</b>
<b>Grand total-----</b>	<b>668,602</b>	<b>552,554</b>	<b>120,066</b>	<b>126,214</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	5,935	4,634	667	1,332
Austria -----	21,426	5,851	506	378
Brazil -----	171,537	134,769	62,161	3,305
Czechoslovakia -----	16,455	17,274	0	0
East Germany -----	17,270	10,342	3,357	4,401
EC countries -----	515,974	521,489	126,105	100,430
Finland -----	96,135	108,885	25,498	29,246
Hungary -----	16,146	15,300	2,480	0
Japan -----	44,538	45,639	10,794	8,187
Mexico -----	20,867	26,919	3,238	10,932
Peoples Rep of China -----	26	0	0	0
Poland -----	30,860	28,960	9,563	1,754
Romania -----	68,325	35,438	4,642	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	68,405	46,109	12,625	8,222
Trinidad and Tobago -----	389	2,204	0	0
Venezuela -----	6,653	10,033	2,628	0
Yugoslavia -----	1,423	0	0	0
<b>Total-----</b>	<b>1,102,364</b>	<b>1,013,846</b>	<b>264,264</b>	<b>168,187</b>
<b>Other countries:</b>				
Canada -----	419,556	266,881	77,837	60,260
Sweden -----	110,743	78,601	18,919	21,376
India -----	34,780	53,828	23,985	11,017
New Zealand -----	3,849	5,544	2,174	882
Indonesia -----	84,969	267	203	0
Argentina -----	44,564	233	0	0
Turkey -----	5,946	193	105	0
Peru -----	0	2/	0	0
Switzerland -----	86	0	0	0
Israel -----	1,729	0	0	0
All others -----	48,503	0	0	0
<b>Total-----</b>	<b>754,725</b>	<b>405,547</b>	<b>123,223</b>	<b>93,535</b>
<b>Grand total-----</b>	<b>1,857,089</b>	<b>1,419,393</b>	<b>387,487</b>	<b>261,722</b>

See footnote(s) at end of table.

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

Item	1988	1989	January--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	3,190	2,371	318	580
Austria -----	8,467	2,465	229	308
Brazil -----	67,413	44,586	18,070	1,154
Czechoslovakia -----	5,280	5,498	0	0
East Germany -----	5,566	3,312	1,143	1,304
EC countries -----	219,700	215,157	55,202	40,343
Finland -----	38,528	39,347	9,173	9,728
Hungary -----	4,494	4,847	793	0
Japan -----	27,120	27,889	6,676	5,800
Mexico -----	8,122	10,816	1,432	3,583
Peoples Rep of China -----	28	0	0	0
Poland -----	9,971	9,915	3,275	601
Romania -----	22,680	11,827	1,719	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	28,496	17,725	4,918	2,994
Trinidad and Tobago -----	122	630	0	0
Venezuela -----	2,062	3,172	889	0
Yugoslavia -----	461	0	0	0
<b>Total-----</b>	<b>451,700</b>	<b>399,557</b>	<b>103,837</b>	<b>66,395</b>
<b>Other countries:</b>				
Canada -----	175,573	109,513	33,742	23,247
Sweden -----	52,247	39,192	9,713	9,688
India -----	14,024	17,706	6,991	3,793
New Zealand -----	1,350	1,671	689	237
Indonesia -----	25,597	125	57	0
Argentina -----	14,038	81	0	0
Turkey -----	2,186	88	48	0
Peru -----	0	6	0	0
Switzerland -----	38	0	0	0
Israel -----	754	0	0	0
All others -----	14,161	0	0	0
<b>Total-----</b>	<b>299,968</b>	<b>168,382</b>	<b>51,240</b>	<b>36,965</b>
<b>Grand total-----</b>	<b>751,668</b>	<b>567,939</b>	<b>155,077</b>	<b>103,360</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	169,338	173,844	62,931	18,170
Austria -----	80,141	44,936	2,661	7,050
Brazil -----	279,788	374,903	95,034	12,835
Czechoslovakia -----	0	10	0	0
East Germany -----	50,830	26,330	9,907	9,844
EC countries -----	2,249,090	1,968,270	359,987	278,095
Finland -----	85,164	56,876	17,090	27,420
Hungary -----	13,211	11,903	1,901	0
Japan -----	2,209,538	2,050,376	538,818	435,161
Mexico -----	139,529	117,694	17,714	44,082
Peoples Rep of China -----	0	456	18	72
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	70,892	152,366
Trinidad and Tobago -----	63	0	0	0
Venezuela -----	57,246	59,756	11,803	5,968
Yugoslavia -----	0	32	5	35
<b>Total-----</b>	<b>5,839,054</b>	<b>5,261,165</b>	<b>1,188,813</b>	<b>991,098</b>
<b>Other countries:</b>				
Canada -----	856,040	858,289	228,720	210,051
New Zealand -----	29,118	61,556	23,320	21,075
Taiwan -----	78,901	48,988	9,074	25,602
Argentina -----	243,388	27,348	1,490	7,876
Sweden -----	51,007	21,448	5,748	6,346
Norway -----	14,466	20,341	3,670	3,892
United Arab Emirates -----	0	2,078	2,078	0
Jamamica -----	0	538	0	185
Indonesia -----	20,138	368	160	0
Costa Rica -----	0	287	0	66
All others-----	53,269	438	16	6,639
<b>Total-----</b>	<b>1,346,327</b>	<b>1,041,679</b>	<b>274,276</b>	<b>281,732</b>
<b>Grand total-----</b>	<b>7,185,381</b>	<b>6,302,844</b>	<b>1,463,089</b>	<b>1,272,830</b>

See footnote(s) at end of table.



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

Item	1988	1989	January--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	90,392	96,817	31,248	10,694
Austria -----	31,089	18,681	1,325	2,951
Brazil -----	111,040	149,482	38,113	5,578
Czechoslovakia -----	0	3	0	0
East Germany -----	18,100	9,790	3,506	3,557
EC countries-----	1,045,288	951,315	183,199	140,587
Finland -----	32,525	22,393	7,222	7,735
Hungary -----	3,751	3,739	607	0
Japan -----	1,211,321	1,198,546	306,166	264,360
Mexico -----	77,632	69,852	10,658	26,821
Peoples Rep of China -----	0	211	7	45
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	28,880	68,399
Trinidad and Tobago -----	19	0	0	0
Venezuela -----	22,121	26,436	4,862	3,173
Yugoslavia -----	0	17	3	26
<b>Total-----</b>	<b>2,860,166</b>	<b>2,711,031</b>	<b>615,832</b>	<b>533,926</b>
<b>Other countries:</b>				
Canada -----	381,804	403,293	109,234	97,265
New Zealand -----	11,315	27,435	9,942	9,417
Taiwan -----	31,494	22,887	3,951	13,751
Argentina -----	92,033	14,390	613	3,169
Sweden -----	39,376	28,193	8,882	6,342
Norway -----	7,909	12,185	2,621	2,354
United Arab Emirates -----	0	926	926	0
Jamamica -----	0	378	0	136
Indonesia -----	7,569	215	76	0
Costa Rica -----	0	228	0	56
All others-----	21,590	528	7	2,416
<b>Total-----</b>	<b>593,090</b>	<b>510,658</b>	<b>136,252</b>	<b>134,906</b>
<b>Grand total-----</b>	<b>3,453,256</b>	<b>3,221,689</b>	<b>752,084</b>	<b>668,832</b>

<sup>1</sup>/ <sub>Certain alloy refers to alloy steel other than stainless or tool steel.</sub>

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

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	826	1,433	36	0
Austria -----	693	541	212	135
Brazil -----	96,561	50,035	17,250	12,008
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	260,337	323,125	60,913	43,238
Finland -----	4,081	4,080	1,515	1,001
Hungary -----	146	0	0	0
Japan -----	107,959	131,880	35,739	21,111
Mexico -----	22,813	16,066	2,016	2,073
Peoples Rep of China -----	3,441	3,916	530	1,011
Poland -----	1,282	2,648	1,040	373
Romania -----	29	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	74,249	62,652	23,747	15,179
Trinidad and Tobago -----	15,404	16,501	6,800	11,100
Venezuela -----	19,962	10,391	0	4,863
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>607,783</b>	<b>623,268</b>	<b>149,798</b>	<b>112,092</b>
<b>Other countries:</b>				
Canada -----	429,634	398,631	117,856	87,551
Turkey -----	102,560	109,153	37,565	9,364
Argentina -----	50,982	48,289	10,587	6,931
Norway -----	36,346	30,234	6,312	0
Singapore -----	19,311	20,159	6,237	1,861
Taiwan -----	32,265	11,752	8,154	100
India -----	11,249	10,492	1,779	4,210
Sweden -----	9,099	3,385	1,251	1,314
Indonesia -----	54,015	3,133	1,222	0
Dominican Republic -----	0	3,112	0	0
All others-----	7,867	2,699	1,097	466
<b>Total-----</b>	<b>753,328</b>	<b>641,039</b>	<b>192,060</b>	<b>111,797</b>
<b>Grand total-----</b>	<b>1,361,111</b>	<b>1,264,307</b>	<b>341,858</b>	<b>223,889</b>

See footnote(s) at end of table.

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

Item	1988	1989	January--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	332	669	11	0
Austria -----	667	1,024	364	307
Brazil -----	29,058	22,335	6,286	5,421
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	133,388	169,448	31,694	24,614
Finland -----	2,705	3,241	1,082	1,143
Hungary -----	63	0	0	0
Japan -----	49,339	73,081	19,324	13,449
Mexico -----	8,588	5,814	776	939
Peoples Rep of China -----	1,314	1,526	186	545
Poland -----	845	1,517	558	216
Romania -----	103	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	20,439	19,087	6,893	4,923
Trinidad and Tobago -----	3,968	5,232	2,324	3,051
Venezuela -----	5,392	3,868	0	1,384
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>256,201</b>	<b>306,842</b>	<b>69,498</b>	<b>55,992</b>
<b>Other countries:</b>				
Canada -----	186,448	173,249	50,710	38,878
Turkey -----	28,951	32,827	10,821	2,580
Argentina -----	16,442	18,563	4,165	2,558
Norway -----	8,963	8,213	1,678	0
Singapore -----	5,104	7,950	2,595	536
Taiwan -----	10,022	4,724	3,196	53
India -----	3,952	4,650	758	2,075
Sweden -----	5,737	3,160	1,062	2,070
Indonesia -----	14,691	862	339	0
Deminican Republic -----	0	821	0	0
All others-----	2,726	1,257	399	300
<b>Total-----</b>	<b>283,036</b>	<b>256,276</b>	<b>75,723</b>	<b>49,050</b>
<b>Grand total-----</b>	<b>539,237</b>	<b>563,118</b>	<b>145,221</b>	<b>105,042</b>

<sup>1</sup>/ <sub>Certain alloy refers to alloy steel other than stainless or tool steel.</sub>

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

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	9,551	10,783	4,830	3,859
Austria -----	601	1,108	107	0
Brazil -----	58,383	57,858	17,552	11,610
Czechoslovakia -----	13,661	2,197	0	0
East Germany -----	16,306	12,583	4,352	3,229
EC countries-----	290,286	212,925	64,421	45,869
Finland -----	2,237	108	108	0
Hungary -----	0	67	67	0
Japan -----	276,003	201,891	61,230	39,714
Mexico -----	58,389	32,373	6,636	12,655
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	45	0
Trinidad and Tobago -----	11,312	29,203	0	12,059
Venezuela -----	8,916	2,065	335	3,646
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>754,153</b>	<b>563,362</b>	<b>159,708</b>	<b>132,641</b>
<b>Other countries:</b>				
Canada -----	360,096	400,938	106,953	112,614
Turkey -----	126,791	75,596	0	27,871
Indonesia -----	84,414	29,923	10,705	0
Singapore -----	81,904	29,776	10,081	5,197
Sweden -----	18,464	15,095	4,374	1,748
Taiwan -----	16,843	10,071	3,820	224
Egypt -----	11,114	3,157	23	0
Argentina -----	0	276	57	771
United Arab Emirates -----	0	179	0	0
India -----	0	22	0	0
All others-----	20,843	19	0	0
<b>Total-----</b>	<b>720,469</b>	<b>565,052</b>	<b>136,013</b>	<b>148,425</b>
<b>Grand total-----</b>	<b>1,474,622</b>	<b>1,128,414</b>	<b>295,721</b>	<b>281,066</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,103	2,439	1,050	1,019
Austria -----	248	297	35	0
Brazil -----	16,380	16,652	4,801	3,273
Czechoslovakia -----	3,234	549	0	0
East Germany -----	3,547	3,014	1,060	778
EC countries -----	109,528	82,681	23,361	16,126
Finland -----	741	35	35	0
Hungary -----	0	30	30	0
Japan -----	124,039	96,067	28,525	18,776
Mexico -----	15,344	8,234	1,634	3,444
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	33	0
Trinidad and Tobago -----	3,293	8,770	0	3,453
Venezuela -----	2,000	594	88	950
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>282,467</b>	<b>219,481</b>	<b>60,659</b>	<b>47,819</b>
<b>Other countries:</b>				
Canada -----	130,836	145,073	38,369	40,098
Turkey -----	32,337	20,896	0	7,248
Indonesia -----	20,363	8,363	2,893	0
Singapore -----	21,983	9,390	2,942	1,678
Sweden -----	9,831	12,842	3,428	1,605
Taiwan -----	6,764	4,247	1,661	87
Egypt -----	2,650	920	7	0
Argentina -----	0	137	29	325
United Arab Emirates -----	0	149	0	0
India -----	0	11	0	0
All others-----	4,578	6	0	0
<b>Total-----</b>	<b>229,342</b>	<b>202,034</b>	<b>49,329</b>	<b>51,041</b>
<b>Grand total-----</b>	<b>511,809</b>	<b>421,515</b>	<b>109,988</b>	<b>98,860</b>

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	4,488	4,189	1,008	1,322
Austria -----	1,731	1,782	437	322
Brazil -----	14,128	9,397	4,125	2,880
Czechoslovakia -----	0	24	0	0
East Germany -----	0	0	0	0
EC countries -----	168,480	139,816	37,401	30,821
Finland -----	476	368	52	228
Hungary -----	0	0	0	0
Japan -----	78,468	67,924	18,482	18,237
Mexico -----	2,712	1,407	474	593
Peoples Rep of China -----	9,720	12,165	1,371	3,166
Poland -----	116	201	37	44
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	7,736	7,512	1,987	1,333
Trinidad and Tobago -----	1,060	0	0	0
Venezuela -----	5,996	5,906	561	1,580
Yugoslavia -----	3	0	0	0
<b>Total-----</b>	<b>295,114</b>	<b>250,691</b>	<b>65,935</b>	<b>60,526</b>
<b>Other countries:</b>				
Canada -----	193,243	183,779	51,490	44,357
Argentina -----	2,491	11,276	1,433	2,463
Sweden -----	7,532	7,601	1,874	2,008
India -----	4,108	5,266	1,217	1,779
Chile -----	2,146	3,630	393	383
Taiwan -----	4,897	3,548	709	1,467
Ecuador -----	1,430	2,134	555	60
Switzerland -----	2,591	1,653	657	296
Norway -----	1,312	1,328	207	585
Hong Kong -----	9	763	0	0
All others-----	4,856	1,315	326	293
<b>Total-----</b>	<b>224,615</b>	<b>222,293</b>	<b>58,861</b>	<b>53,691</b>
<b>Grand total-----</b>	<b>519,729</b>	<b>472,984</b>	<b>124,796</b>	<b>114,217</b>

See footnote(s) at end of table.

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

Item	1988	1989	January--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,018	1,844	470	546
Austria -----	2,584	2,976	625	650
Brazil -----	6,207	5,122	1,965	1,384
Czechoslovakia -----	0	16	0	0
East Germany -----	0	0	0	0
EC countries-----	141,210	126,019	34,731	29,215
Finland -----	231	198	14	143
Hungary -----	0	0	0	0
Japan -----	61,637	57,930	15,432	16,177
Mexico -----	1,320	914	270	371
Peoples Rep of China -----	4,165	5,530	581	1,441
Poland -----	59	129	18	32
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,667	4,890	1,254	910
Trinidad and Tobago -----	354	0	0	0
Venezuela -----	3,096	3,410	369	905
Yugoslavia -----	9	0	0	0
<b>Total-----</b>	<b>227,557</b>	<b>208,978</b>	<b>55,729</b>	<b>51,774</b>
<b>Other countries:</b>				
Canada -----	109,405	112,002	30,420	27,803
Argentina -----	1,245	5,051	651	1,129
Sweden -----	10,678	9,482	2,788	2,377
India -----	1,518	1,974	447	620
Chile -----	946	2,041	207	253
Taiwan -----	2,903	3,186	679	997
Ecuador -----	652	1,059	265	31
Switzerland -----	1,525	1,062	423	179
Norway -----	1,177	1,095	169	457
Hong Kong -----	2	346	0	0
All others-----	1,291	726	175	96
<b>Total-----</b>	<b>131,342</b>	<b>138,024</b>	<b>36,224</b>	<b>33,942</b>
<b>Grand total-----</b>	<b>358,899</b>	<b>347,002</b>	<b>91,953</b>	<b>85,716</b>

<sup>1/</sup> 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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	5	20	0	2/
Austria -----	956	4,043	1,212	882
Brazil -----	15,018	10,401	3,871	3,112
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	38,365	86,677	22,453	21,402
Finland -----	1	51	2/	2/
Hungary -----	0	42	0	0
Japan -----	23,536	52,650	11,107	14,977
Mexico -----	13,693	24,461	6,458	8,175
Peoples Rep of China -----	36,866	42,981	8,786	10,686
Poland -----	16,070	15,255	3,089	3,043
Romania -----	143	0	0	0
Republic of South Africa ----	1,550	730	246	0
Korea, Republic of -----	192,127	178,804	40,110	51,636
Trinidad and Tobago -----	94	0	0	189
Venezuela -----	1,352	16,639	2,983	3,222
Yugoslavia -----	7,314	5,961	1,341	1,642
<b>Total-----</b>	<b>347,090</b>	<b>438,715</b>	<b>101,656</b>	<b>118,966</b>
<b>Other countries:</b>				
Canada -----	98,251	114,763	26,962	28,385
Indonesia -----	18,621	27,489	5,462	8,742
Thailand -----	8,627	20,808	7,387	2,900
Taiwan -----	13,715	17,331	3,769	4,500
Argentina -----	18,002	16,702	4,279	2,844
United Arab Emirates -----	20,059	14,854	5,326	3,523
Turkey -----	23,631	10,713	2,845	4,560
Saudi Arabia -----	3,718	8,784	1,394	2,041
Chile -----	8,459	8,642	1,429	1,797
India -----	4,571	8,233	1,756	1,812
All others-----	7,707	16,568	2,984	4,856
<b>Total-----</b>	<b>225,361</b>	<b>264,887</b>	<b>63,593</b>	<b>65,960</b>
<b>Grand total-----</b>	<b>572,451</b>	<b>703,602</b>	<b>165,249</b>	<b>184,926</b>

See footnote(s) at end of table.



Table 16.--Carbon and certain alloy <sup>1/</sup> 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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	20	37	0	8
Austria -----	1,556	8,634	2,019	2,357
Brazil -----	7,169	6,038	2,186	1,588
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	33,725	135,555	31,078	40,145
Finland -----	96	67	2	6
Hungary -----	0	23	0	0
Japan -----	28,992	97,473	20,097	27,473
Mexico -----	8,903	17,781	4,340	6,574
Peoples Rep of China -----	14,640	25,832	5,089	5,958
Poland -----	5,403	5,354	1,041	1,150
Romania -----	44	0	0	0
Republic of South Africa -----	792	558	225	0
Korea, Republic of -----	138,561	158,567	34,848	43,708
Trinidad and Tobago -----	27	0	0	74
Venezuela -----	387	5,224	907	1,136
Yugoslavia -----	3,027	2,456	487	584
<b>Total</b> -----	<b>243,342</b>	<b>463,599</b>	<b>102,319</b>	<b>130,761</b>
<b>Other countries:</b>				
Canada -----	70,198	93,747	21,718	23,527
Indonesia -----	6,881	11,595	2,053	3,840
Thailand -----	5,332	9,521	2,721	1,720
Taiwan -----	12,448	19,677	4,324	4,782
Argentina -----	7,943	8,930	2,157	1,592
United Arab Emirates -----	7,562	5,992	2,080	1,767
Turkey -----	8,700	5,485	1,277	2,400
Saudi Arabia -----	1,239	3,255	526	856
Chile -----	3,991	4,476	780	957
India -----	2,659	5,467	1,490	1,312
All others-----	6,778	21,186	4,733	5,854
<b>Total</b> -----	<b>133,731</b>	<b>189,331</b>	<b>43,859</b>	<b>48,607</b>
<b>Grand total</b> -----	<b>377,073</b>	<b>652,930</b>	<b>146,178</b>	<b>179,368</b>

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

<sup>2/</sup> 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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	139	312	130	0
Austria -----	1,541	684	238	102
Brazil -----	20,210	11,638	4,578	2,304
Czechoslovakia -----	0	0	0	0
East Germany -----	0	92	0	0
EC countries-----	903,438	790,065	207,958	118,052
Finland -----	118	2,669	243	0
Hungary -----	0	0	0	0
Japan -----	590,217	373,632	150,834	28,603
Mexico -----	24,912	17,588	3,736	8,892
Peoples Rep of China -----	208	874	164	360
Poland -----	14,059	20,441	4,012	3,798
Romania -----	19	168	0	16
Republic of South Africa ----	143	0	0	0
Korea, Republic of -----	169,302	81,616	26,717	1,285
Trinidad and Tobago -----	0	120	11	165
Venezuela -----	2/	112	2	69
Yugoslavia -----	263	0	0	0
<b>Total-----</b>	<b>1,724,569</b>	<b>1,300,011</b>	<b>398,623</b>	<b>163,646</b>
<b>Other countries:</b>				
Canada -----	338,187	249,815	69,803	74,262
Norway -----	64,361	31,897	10,492	0
Argentina -----	27,523	30,494	6,838	3,126
New Zealand -----	8,242	8,945	1,956	860
Taiwan -----	9,020	6,899	2,447	1,172
Mauritius -----	0	4,723	0	0
Indonesia -----	4,074	3,269	3,251	0
India -----	459	1,743	249	168
Singapore -----	3,129	1,102	144	642
Sweden -----	3,925	991	340	148
All others-----	4,979	474	140	148
<b>Total-----</b>	<b>463,899</b>	<b>340,352</b>	<b>95,660</b>	<b>80,526</b>
<b>Grand total-----</b>	<b>2,188,468</b>	<b>1,640,363</b>	<b>494,283</b>	<b>244,172</b>

See footnote(s) at end of table.

Table 17.--Carbon and certain alloy <sup>1/</sup> 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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	135	902	304	0
Austria -----	1,865	1,780	721	398
Brazil -----	8,055	5,564	1,832	854
Czechoslovakia -----	0	0	0	0
East Germany -----	0	28	0	0
EC countries -----	356,905	308,492	83,319	45,741
Finland -----	248	4,129	273	0
Hungary -----	0	0	0	0
Japan -----	228,010	159,837	60,061	15,927
Mexico -----	11,585	8,817	1,831	6,720
Peoples Rep of China -----	154	669	112	246
Poland -----	3,587	6,446	1,161	1,048
Romania -----	11	73	0	7
Republic of South Africa -----	694	0	0	0
Korea, Republic of -----	84,018	43,704	10,814	1,017
Trinidad and Tobago -----	0	63	32	45
Venezuela -----	1	83	2	19
Yugoslavia -----	393	0	0	0
<b>Total</b> -----	<b>695,661</b>	<b>540,587</b>	<b>160,462</b>	<b>72,022</b>
<b>Other countries:</b>				
Canada -----	201,529	154,010	43,786	40,452
Norway -----	21,943	10,401	3,427	0
Argentina -----	7,274	10,137	2,031	1,249
New Zealand -----	8,814	10,505	2,213	1,046
Taiwan -----	5,476	6,383	2,101	1,232
Mauritius -----	0	1,521	0	0
Indonesia -----	1,173	971	951	0
India -----	371	1,195	134	132
Singapore -----	2,903	1,013	132	884
Sweden -----	5,413	2,805	832	433
All others-----	4,246	1,402	271	178
<b>Total</b> -----	<b>259,142</b>	<b>200,343</b>	<b>55,878</b>	<b>45,606</b>
<b>Grand total</b> -----	<b>954,803</b>	<b>740,930</b>	<b>216,340</b>	<b>117,628</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	2	3,567	777	784
Austria -----	703	5,805	1,596	725
Brazil -----	4,553	2,942	1,048	451
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries -----	52,358	53,518	19,966	12,529
Finland -----	3	0	0	2/
Hungary -----	4	0	0	0
Japan -----	79,347	83,624	28,646	23,881
Mexico -----	26	380	119	9
Peoples Rep of China -----	25	455	73	45
Poland -----	0	105	39	0
Romania -----	0	0	0	0
Republic of South Africa -----	2/	20	0	191
Korea, Republic of -----	6,919	6,670	1,604	953
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	77	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>144,018</b>	<b>157,086</b>	<b>53,868</b>	<b>39,568</b>
<b>Other countries:</b>				
Canada -----	172,077	151,966	42,208	32,372
Soviet Union -----	0	9,875	0	0
Argentina -----	6	2,579	0	2
Sweden -----	3,064	876	11	127
Taiwan -----	128	417	157	54
Colombia -----	0	77	20	15
Chile -----	0	48	2/	5
Turkey -----	0	22	0	86
Israel -----	0	20	0	0
Honduras -----	2/	9	0	7
All others-----	140	11	2/	15
<b>Total-----</b>	<b>175,415</b>	<b>165,900</b>	<b>42,396</b>	<b>32,683</b>
<b>Grand total-----</b>	<b>319,433</b>	<b>322,986</b>	<b>96,264</b>	<b>72,251</b>

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy <sup>1/</sup> 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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	7	3,841	1,005	914
Austria -----	299	3,284	1,153	963
Brazil -----	3,751	2,544	872	391
Czechoslovakia -----	0	0	0	0
East Germany -----	5	0	0	0
EC countries -----	25,214	28,589	9,487	7,240
Finland -----	14	0	0	9
Hungary -----	25	0	0	0
Japan -----	38,835	46,028	14,937	13,192
Mexico -----	37	380	140	17
Peoples Rep of China -----	9	221	43	32
Poland -----	0	49	18	0
Romania -----	0	0	0	0
Republic of South Africa -----	1	14	0	144
Korea, Republic of -----	2,580	3,408	915	608
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	24	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>70,801</b>	<b>88,358</b>	<b>28,570</b>	<b>23,510</b>
<b>Other countries:</b>				
Canada -----	50,140	59,757	18,892	6,425
Soviet Union -----	0	1,290	0	0
Argentina -----	17	803	0	10
Sweden -----	1,001	600	57	143
Taiwan -----	294	797	258	106
Colombia -----	0	258	63	50
Chile -----	0	25	2	3
Turkey -----	0	.13	0	58
Israel -----	0	25	0	0
Honduras -----	2	4	0	4
All others -----	115	71	15	51
<b>Total</b> -----	<b>51,569</b>	<b>63,643</b>	<b>19,287</b>	<b>6,850</b>
<b>Grand total</b> -----	<b>122,370</b>	<b>152,001</b>	<b>47,857</b>	<b>30,360</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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

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

Item	1988	1989	January--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	12,375	7,022	2,991	1,468
Austria -----	26,408	17,756	1,564	11,997
Brazil -----	87,724	64,098	15,709	24,192
Czechoslovakia -----	7,164	6,156	745	1,264
East Germany -----	7,828	6,520	1,628	878
EC countries -----	488,108	504,008	138,995	142,007
Finland -----	12,755	6,000	5,335	2,479
Hungary -----	585	1,109	0	0
Japan -----	790,770	507,942	107,093	107,471
Mexico -----	131,349	138,081	27,800	33,376
Peoples Rep of China -----	18,422	973	48	0
Poland -----	8,048	4,658	1,150	2,136
Romania -----	27,284	13,778	0	1,656
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	496,059	353,671	96,790	87,603
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	19,510	20,192	4,690	14,130
Yugoslavia -----	3,732	2,226	0	1,882
<b>Total-----</b>	<b>2,138,121</b>	<b>1,654,190</b>	<b>404,538</b>	<b>432,539</b>
<b>Other countries:</b>				
Canada -----	436,372	451,459	117,260	105,275
Argentina -----	148,192	89,608	6,628	14,361
Taiwan -----	88,055	60,719	19,296	15,196
Thailand -----	148,259	34,384	23,649	0
Singapore -----	47,545	27,492	7,341	5,451
India -----	44,486	25,404	7,123	4,549
Sweden -----	26,842	21,424	5,340	5,382
Turkey -----	32,001	16,107	3,301	1,835
Algeria -----	21,502	9,430	4,769	1,228
Israel -----	12,714	9,397	2/	6,971
All others -----	105,850	35,930	14,792	4,932
<b>Total-----</b>	<b>1,111,818</b>	<b>781,354</b>	<b>209,499</b>	<b>165,180</b>
<b>Grand total-----</b>	<b>3,249,939</b>	<b>2,435,544</b>	<b>614,037</b>	<b>597,719</b>

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy <sup>1/</sup> 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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	4,959	3,151	1,365	1,088
Austria -----	23,494	13,811	1,437	5,585
Brazil -----	41,170	36,362	9,462	9,349
Czechoslovakia -----	3,472	2,779	424	489
East Germany -----	4,115	2,763	681	358
EC countries -----	346,165	330,377	90,460	85,629
Finland -----	5,624	2,987	2,544	1,263
Hungary -----	266	517	0	0
Japan -----	597,887	378,193	86,685	73,515
Mexico -----	71,872	74,372	15,279	17,038
Peoples Rep of China -----	7,066	360	32	0
Poland -----	3,115	2,105	493	852
Romania -----	11,018	5,411	0	634
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	239,742	176,982	47,973	43,004
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	7,535	8,737	1,925	5,570
Yugoslavia -----	2,036	946	0	818
<b>Total-----</b>	<b>1,369,536</b>	<b>1,039,853</b>	<b>258,760</b>	<b>245,192</b>
<b>Other countries:</b>				
Canada -----	266,692	281,447	70,137	62,656
Argentina -----	76,641	51,423	2,845	9,629
Taiwan -----	39,591	28,827	9,086	6,999
Thailand -----	58,119	14,718	10,269	0
Singapore -----	19,833	13,215	3,681	2,487
India -----	20,173	11,846	3,209	1,611
Sweden -----	23,510	23,653	6,170	6,561
Turkey -----	14,568	6,678	1,424	829
Algeria -----	5,957	2,531	998	452
Israel -----	6,218	4,759	13	3,249
All others-----	48,029	17,951	7,559	2,840
<b>Total-----</b>	<b>579,331</b>	<b>457,048</b>	<b>115,391</b>	<b>97,313</b>
<b>Grand total-----</b>	<b>1,948,867</b>	<b>1,496,901</b>	<b>374,151</b>	<b>342,505</b>

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

<sup>2/</sup> Less than 0.5 short ton.

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,061	274,550	109,374	63,439
Austria -----	134,200	82,507	8,533	21,591
Brazil -----	1,468,033	1,382,924	361,460	284,771
Czechoslovakia -----	37,280	25,660	745	1,264
East Germany -----	92,234	55,867	19,244	18,352
EC countries -----	6,147,884	5,530,746	1,247,848	1,006,570
Finland -----	204,209	213,588	49,840	60,375
Hungary -----	30,094	28,420	4,448	0
Japan -----	4,277,647	3,602,047	990,832	698,621
Mexico -----	478,207	451,951	71,927	186,701
Peoples Rep of China -----	68,735	61,850	11,016	15,353
Poland -----	89,325	72,268	18,930	11,149
Romania -----	102,530	49,436	4,694	1,672
Republic of South Africa -----	1,693	756	246	191
Korea, Republic of -----	1,560,497	1,178,972	285,780	318,594
Trinidad and Tobago -----	31,380	48,028	6,811	23,515
Venezuela -----	169,376	173,574	23,001	33,477
Yugoslavia -----	12,734	8,219	1,346	3,559
<b>Total-----</b>	<b>15,188,119</b>	<b>13,241,363</b>	<b>3,216,075</b>	<b>2,749,194</b>
<b>Other countries:</b>				
Canada -----	3,373,766	3,159,739	847,489	766,309
Argentina -----	557,969	227,661	31,373	38,374
Sweden -----	522,294	212,323	68,225	39,230
Turkey -----	307,985	211,804	43,826	43,716
Taiwan -----	243,886	159,725	47,426	48,337
India -----	99,714	104,994	36,114	23,542
Norway -----	181,502	90,181	26,633	4,776
Singapore -----	153,163	78,598	23,850	13,151
New Zealand -----	88,979	78,564	28,704	23,049
Indonesia -----	281,142	69,342	25,504	8,830
All others -----	512,272	191,835	60,545	35,647
<b>Total-----</b>	<b>6,322,672</b>	<b>4,584,766</b>	<b>1,239,689</b>	<b>1,044,961</b>
<b>Grand total-----</b>	<b>21,510,791</b>	<b>17,826,129</b>	<b>4,455,764</b>	<b>3,794,155</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,320	126,499	42,078	22,616
Austria -----	70,268	52,952	7,910	13,518
Brazil -----	451,458	455,362	119,186	75,238
Czechoslovakia -----	11,986	8,844	424	489
East Germany -----	31,334	18,908	6,390	5,996
EC countries-----	2,702,007	2,591,992	595,539	481,469
Finland -----	81,482	83,209	20,344	20,026
Hungary -----	8,600	9,155	1,430	0
Japan -----	2,386,680	2,160,017	565,032	450,306
Mexico -----	220,745	216,702	37,781	79,835
Peoples Rep of China -----	27,385	34,364	6,057	8,280
Poland -----	29,711	25,514	6,564	3,899
Romania -----	36,033	17,347	1,755	641
Republic of South Africa ----	1,487	590	225	144
Korea, Republic of -----	743,129	604,322	139,226	165,587
Trinidad and Tobago -----	8,400	14,695	2,356	6,623
Venezuela -----	53,667	61,595	9,042	13,137
Yugoslavia -----	5,925	3,419	490	1,428
<b>Total-----</b>	<b>6,988,617</b>	<b>6,485,486</b>	<b>1,561,829</b>	<b>1,349,232</b>
<b>Other countries:</b>				
Canada -----	1,593,962	1,559,576	421,982	364,434
Argentina -----	221,780	109,850	12,511	19,661
Sweden -----	221,486	141,425	42,635	30,981
Turkey -----	93,038	65,996	13,575	13,114
Taiwan -----	109,041	90,727	25,256	28,032
India -----	42,731	42,851	13,031	9,564
Norway -----	55,371	33,914	9,296	3,230
Singapore -----	50,360	31,647	9,408	5,585
New Zealand -----	35,993	41,302	13,525	11,008
Indonesia -----	81,687	24,707	8,766	3,874
All others-----	192,526	89,098	27,102	19,165
<b>Total-----</b>	<b>2,697,975</b>	<b>2,231,093</b>	<b>597,087</b>	<b>508,648</b>
<b>Grand total-----</b>	<b>9,686,592</b>	<b>8,716,579</b>	<b>2,158,916</b>	<b>1,857,880</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
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	4,448	53
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,935	698	264	122
Mexico -----	0	176	0	118
Peoples Rep of China -----	0	0	0	0
Poland -----	74	293	241	0
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
<b>Total-----</b>	<b>14,389</b>	<b>15,162</b>	<b>4,953</b>	<b>293</b>
<b>Other countries:</b>				
Canada -----	33,527	36,556	10,631	6,697
Sweden -----	14,491	10,403	2,548	3,426
Taiwan -----	0	1/	1/	1/
Israel -----	0	1/	0	0
<b>Total-----</b>	<b>48,018</b>	<b>46,959</b>	<b>13,179</b>	<b>10,123</b>
<b>Grand total-----</b>	<b>62,407</b>	<b>62,121</b>	<b>18,132</b>	<b>10,416</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
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	2,934	128
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,906	1,413	507	202
Mexico -----	0	448	0	322
Peoples Rep of China -----	0	0	0	0
Poland -----	102	532	427	0
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
<b>Total-----</b>	<b>16,904</b>	<b>14,965</b>	<b>3,868</b>	<b>652</b>
<b>Other countries:</b>				
Canada -----	52,871	68,918	19,908	9,869
Sweden -----	23,240	23,075	5,673	5,654
Taiwan -----	0	16	7	8
Israel -----	0	5	0	0
Hong Kong -----	0	2	2	0
<b>Total-----</b>	<b>76,111</b>	<b>92,016</b>	<b>25,590</b>	<b>15,531</b>
<b>Grand total-----</b>	<b>93,015</b>	<b>106,981</b>	<b>29,458</b>	<b>16,183</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	249	197	77	12
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	7,364	12,024	3,637	1,810
Finland -----	2,730	1,746	445	1,485
Hungary -----	0	0	0	0
Japan -----	2,225	1,542	312	392
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	16
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>12,693</b>	<b>15,523</b>	<b>4,480</b>	<b>3,715</b>
<b>Other countries:</b>				
Sweden -----	2,779	2,014	500	350
Canada -----	371	177	136	9
Anguilla -----	5	0	0	0
<b>Total</b> -----	<b>3,155</b>	<b>2,191</b>	<b>636</b>	<b>359</b>
<b>Grand total</b> -----	<b>15,848</b>	<b>17,714</b>	<b>5,116</b>	<b>4,074</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	953	915	392	54
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	15,635	35,694	10,879	4,156
Finland -----	6,147	4,883	1,297	3,250
Hungary -----	0	0	0	0
Japan -----	4,514	4,544	828	1,045
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	27
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>27,299</b>	<b>46,063</b>	<b>13,412</b>	<b>8,532</b>
<b>Other countries:</b>				
Sweden -----	6,775	5,970	1,615	1,061
Canada -----	889	425	346	30
Anguilla -----	9	0	0	0
<b>Total-----</b>	<b>7,673</b>	<b>6,395</b>	<b>1,961</b>	<b>1,091</b>
<b>Grand total-----</b>	<b>34,972</b>	<b>52,458</b>	<b>15,373</b>	<b>9,623</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	9	0	0
Austria -----	29	16	8	0
Brazil -----	313	0	0	28
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	60,758	63,478	16,452	11,985
Finland -----	6,045	1,376	468	1,907
Hungary -----	0	0	0	0
Japan -----	22,393	45,581	10,993	10,019
Mexico -----	8,814	14,968	2,752	3,982
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	1,274	1,775
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	5	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>106,202</b>	<b>132,303</b>	<b>31,947</b>	<b>29,696</b>
<b>Other countries:</b>				
Sweden -----	8,433	5,978	1,789	1,686
Canada -----	3,838	2,234	999	600
Singapore -----	0	4	0	0
Peru -----	2	0	0	0
India -----	90	0	0	201
Honduras -----	19	0	0	0
<b>Total-----</b>	<b>12,382</b>	<b>8,216</b>	<b>2,788</b>	<b>2,487</b>
<b>Grand total-----</b>	<b>118,584</b>	<b>140,519</b>	<b>34,735</b>	<b>32,183</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	12	0	0
Austria -----	136	79	41	0
Brazil -----	480	0	0	43
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	122,326	138,830	36,021	24,173
Finland -----	13,459	3,850	1,366	2,906
Hungary -----	0	0	0	0
Japan -----	50,112	95,498	22,002	21,626
Mexico -----	16,454	33,463	6,186	8,379
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	3,112	3,141
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	21	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>220,331</b>	<b>288,293</b>	<b>68,728</b>	<b>60,268</b>
<b>Other countries:</b>				
Sweden -----	24,684	21,181	5,848	5,885
Canada -----	9,552	7,123	3,124	1,553
Singapore -----	0	17	0	0
Peru -----	26	0	0	0
India -----	172	0	0	483
Honduras -----	35	0	0	0
<b>Total</b> -----	<b>34,469</b>	<b>28,321</b>	<b>8,972</b>	<b>7,921</b>
<b>Grand total</b> -----	<b>254,800</b>	<b>316,614</b>	<b>77,700</b>	<b>68,189</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	183	200	81	22
Brazil -----	3,827	4,497	1,326	1,061
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	12,705	10,400	2,428	3,051
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	16,715	20,286	4,132	3,812
Mexico -----	49	18	0	19
Peoples Rep of China -----	2	7	0	0
Poland -----	0	0	0	0
Romania -----	18	15	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,604	3,165	1,053	868
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>35,103</b>	<b>38,588</b>	<b>9,020</b>	<b>8,833</b>
<b>Other countries:</b>				
Sweden -----	3,708	2,727	866	801
Canada -----	1,641	1,711	288	1,048
India -----	224	214	42	200
Argentina -----	0	93	49	14
Taiwan -----	49	59	0	0
Switzerland -----	1/	13	1/	10
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
<b>Total-----</b>	<b>5,622</b>	<b>4,829</b>	<b>1,247</b>	<b>2,073</b>
<b>Grand total-----</b>	<b>40,725</b>	<b>43,417</b>	<b>10,267</b>	<b>10,906</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	412	527	197	61
Brazil -----	5,743	10,550	3,218	2,644
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	29,888	30,443	6,705	8,300
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	40,671	63,821	12,932	11,300
Mexico -----	163	33	0	39
Peoples Rep of China -----	40	32	0	0
Poland -----	0	0	0	0
Romania -----	30	27	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	3,389	9,017	2,971	2,215
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>80,336</b>	<b>114,450</b>	<b>26,023</b>	<b>24,559</b>
<b>Other countries:</b>				
Sweden -----	8,981	8,819	2,756	2,342
Canada -----	3,608	4,540	855	2,579
India -----	420	509	92	550
Argentina -----	0	169	87	28
Taiwan -----	162	166	0	0
Switzerland -----	1	92	1	43
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
<b>Total-----</b>	<b>13,175</b>	<b>14,395</b>	<b>3,844</b>	<b>5,542</b>
<b>Grand total-----</b>	<b>93,511</b>	<b>128,845</b>	<b>29,867</b>	<b>30,101</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	49	88	0	0
Brazil -----	964	809	0	375
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	8,877	10,582	2,778	2,466
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,483	6,087	1,305	1,363
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	79	296
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	17	0	0	0
<b>Total-----</b>	<b>15,903</b>	<b>17,902</b>	<b>4,162</b>	<b>4,500</b>
<b>Other countries:</b>				
Sweden -----	3,159	3,497	830	1,169
Canada -----	1/	284	0	82
Argentina -----	0	15	0	0
Taiwan -----	148	0	0	0
India -----	0	0	0	11
<b>Total-----</b>	<b>3,307</b>	<b>3,796</b>	<b>830</b>	<b>1,262</b>
<b>Grand total-----</b>	<b>19,210</b>	<b>21,698</b>	<b>4,992</b>	<b>5,762</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	68	129	0	0
Brazil -----	1,543	1,991	0	683
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	23,039	30,861	8,068	6,288
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,611	16,226	3,518	3,222
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	203	684
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	22	0	0	0
<b>Total</b> -----	<b>37,037</b>	<b>50,003</b>	<b>11,789</b>	<b>10,877</b>
<b>Other countries:</b>				
Sweden -----	7,916	11,170	2,797	3,344
Canada -----	2	787	0	238
Argentina -----	0	26	0	0
Taiwan -----	328	0	0	0
India -----	0	0	0	30
<b>Total</b> -----	<b>8,246</b>	<b>11,983</b>	<b>2,797</b>	<b>3,612</b>
<b>Grand total</b> -----	<b>45,283</b>	<b>61,986</b>	<b>14,586</b>	<b>14,489</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	1/	1/	1/	1/
Austria -----	25	105	6	1/
Brazil -----	156	849	217	24
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	8,101	7,542	2,263	1,446
Finland -----	0	7	7	0
Hungary -----	0	0	0	0
Japan -----	4,719	4,796	1,504	914
Mexico -----	1	6	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 -----	986	759	187	143
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3	0	0	0
Yugoslavia -----	0	3	0	0
<b>Total</b> -----	<b>13,991</b>	<b>14,067</b>	<b>4,184</b>	<b>2,527</b>
<b>Other countries:</b>				
Sweden -----	2,685	2,493	813	462
Canada -----	2,277	2,355	537	693
Taiwan -----	1,221	1,099	257	215
India -----	209	896	231	541
Switzerland -----	268	337	121	64
Thailand -----	0	71	0	79
Singapore -----	1/	1/	0	1/
Hong Kong -----	0	1/	1/	0
<b>Total</b> -----	<b>6,660</b>	<b>7,251</b>	<b>1,959</b>	<b>2,054</b>
<b>Grand total</b> -----	<b>20,651</b>	<b>21,318</b>	<b>6,143</b>	<b>4,581</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	39	81	25	21
Austria -----	117	516	31	4
Brazil -----	304	2,069	554	107
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	24,922	28,620	8,346	5,589
Finland -----	0	58	58	0
Hungary -----	0	0	0	0
Japan -----	18,705	20,748	5,863	3,789
Mexico -----	6	3	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 -----	3,044	3,042	739	559
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	11	0	0	0
Yugoslavia -----	0	4	0	0
<b>Total-----</b>	<b>47,148</b>	<b>55,141</b>	<b>15,616</b>	<b>10,069</b>
<b>Other countries:</b>				
Sweden -----	12,922	13,952	4,370	2,697
Canada -----	9,650	12,604	2,936	3,530
Taiwan -----	3,824	3,834	921	804
India -----	414	2,432	520	1,377
Switzerland -----	1,254	1,590	548	283
Thailand -----	0	274	0	268
Singapore -----	5	9	0	6
Hong Kong -----	0	4	4	0
<b>Total-----</b>	<b>28,069</b>	<b>34,699</b>	<b>9,299</b>	<b>8,965</b>
<b>Grand total-----</b>	<b>75,217</b>	<b>89,840</b>	<b>24,915</b>	<b>19,034</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	23	0	0	0
Austria -----	756	664	251	153
Brazil -----	0	12	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	7,081	11,955	3,080	2,867
Finland -----	1/	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,365	9,327	2,464	1,611
Mexico -----	950	346	111	67
Peoples Rep of China -----	0	4	4	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	1/	0	0
Korea, Republic of -----	392	684	130	277
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>17,567</b>	<b>22,992</b>	<b>6,040</b>	<b>4,975</b>
<b>Other countries:</b>				
Canada -----	6,925	6,241	1,996	1,567
Sweden -----	5,253	4,208	1,048	647
Taiwan -----	6,809	3,135	619	1,926
Thailand -----	188	332	151	0
Singapore -----	0	315	0	223
Switzerland -----	1	16	5	3
Malaysia -----	0	13	0	0
India -----	4	5	5	41
Norway -----	0	1/	1/	0
Israel -----	4	1/	0	0
All others-----	1/	0	0	1/
<b>Total-----</b>	<b>19,184</b>	<b>14,265</b>	<b>3,824</b>	<b>4,407</b>
<b>Grand total-----</b>	<b>36,751</b>	<b>37,257</b>	<b>9,864</b>	<b>9,382</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	135	0	0	0
Austria -----	4,157	5,246	1,916	1,112
Brazil -----	0	54	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	27,461	45,286	15,633	7,536
Finland -----	1	0	0	0
Hungary -----	0	0	0	0
Japan -----	31,923	52,918	13,102	10,077
Mexico -----	2,891	1,195	306	272
Peoples Rep of China -----	0	12	12	0
Poland -----	0	0	0	0
Romania -----	0	0	0	0
Republic of South Africa -----	0	4	0	0
Korea, Republic of -----	1,255	2,570	302	880
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>67,823</b>	<b>107,285</b>	<b>31,271</b>	<b>19,877</b>
<b>Other countries:</b>				
Canada -----	24,048	30,786	8,904	7,916
Sweden -----	22,285	22,758	5,770	3,680
Taiwan -----	21,308	12,587	2,504	6,710
Thailand -----	458	874	316	0
Singapore -----	0	1,060	0	700
Switzerland -----	177	212	46	97
Malaysia -----	0	45	0	0
India -----	17	20	20	223
Norway -----	0	7	2	0
Israel -----	77	3	0	0
All others-----	2	0	0	1
<b>Total-----</b>	<b>68,372</b>	<b>68,352</b>	<b>17,562</b>	<b>19,327</b>
<b>Grand total-----</b>	<b>136,195</b>	<b>175,637</b>	<b>48,833</b>	<b>39,204</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	18	0	0
Austria -----	2,538	2,709	796	669
Brazil -----	1,920	2,052	544	402
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	0
EC countries -----	12,825	16,254	4,503	3,040
Finland -----	5	0	0	0
Hungary -----	0	0	0	0
Japan -----	4,416	5,543	1,118	983
Mexico -----	346	137	45	0
Peoples Rep of China -----	103	167	0	0
Poland -----	249	225	60	85
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	779	1,167	447	176
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	68	0	34
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>23,206</b>	<b>28,373</b>	<b>7,513</b>	<b>5,389</b>
<b>Other countries:</b>				
Sweden -----	12,254	10,867	3,181	1,784
Canada -----	8,573	8,963	2,585	1,880
Argentina -----	42	98	32	0
Soviet Union -----	0	10	0	0
Israel -----	0	1/	0	0
India -----	19	1/	1/	0
Switzerland -----	1/	1/	0	0
<b>Total-----</b>	<b>20,888</b>	<b>19,938</b>	<b>5,798</b>	<b>3,664</b>
<b>Grand total-----</b>	<b>44,094</b>	<b>48,311</b>	<b>13,311</b>	<b>9,053</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	41	0	0
Austria -----	6,561	7,507	1,938	2,021
Brazil -----	3,560	3,481	1,000	923
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	0
EC countries -----	23,213	31,615	7,845	7,845
Finland -----	15	0	0	0
Hungary -----	0	0	0	0
Japan -----	14,883	11,142	2,193	3,231
Mexico -----	434	183	87	0
Peoples Rep of China -----	149	219	0	0
Poland -----	468	567	115	285
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,303	1,979	508	362
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	86	0	56
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>50,625</b>	<b>56,866</b>	<b>13,686</b>	<b>14,723</b>
<b>Other countries:</b>				
Sweden -----	30,589	30,000	8,075	4,541
Canada -----	12,019	12,883	3,103	3,089
Argentina -----	65	165	50	0
Soviet Union -----	0	8	0	0
Israel -----	0	10	0	0
India -----	16	4	4	0
Switzerland -----	2	1	0	0
<b>Total-----</b>	<b>42,691</b>	<b>43,071</b>	<b>11,232</b>	<b>7,630</b>
<b>Grand total-----</b>	<b>93,316</b>	<b>99,937</b>	<b>24,918</b>	<b>22,353</b>

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--March	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	24	28	1/	1/
Austria -----	3,901	3,979	1,218	857
Brazil -----	8,863	8,218	2,087	1,890
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	0
EC countries -----	128,336	146,230	39,589	26,717
Finland -----	8,780	3,128	919	3,392
Hungary -----	0	0	0	0
Japan -----	66,251	93,860	22,093	19,216
Mexico -----	10,160	15,654	2,911	4,185
Peoples Rep of China -----	106	178	4	0
Poland -----	323	518	300	85
Romania -----	18	15	0	0
Republic of South Africa -----	0	1/	0	0
Korea, Republic of -----	12,105	12,998	3,176	3,550
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	7	68	0	34
Yugoslavia -----	17	3	0	0
<b>Total-----</b>	<b>239,054</b>	<b>284,925</b>	<b>72,297</b>	<b>59,926</b>
<b>Other countries:</b>				
Canada -----	57,153	58,521	17,173	12,576
Sweden -----	52,761	42,184	11,576	10,326
Taiwan -----	8,227	4,294	877	2,141
India -----	546	1,116	278	994
Thailand -----	188	403	151	79
Switzerland -----	270	366	127	77
Singapore -----	1/	320	0	224
Argentina -----	42	206	81	14
Malaysia -----	0	13	0	0
Soviet Union -----	0	10	0	0
All others -----	31	14	2	0
<b>Total-----</b>	<b>119,488</b>	<b>107,447</b>	<b>30,265</b>	<b>26,431</b>
<b>Grand total-----</b>	<b>358,542</b>	<b>392,372</b>	<b>102,562</b>	<b>86,357</b>

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--March	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	174	133	25	21
Austria -----	12,639	14,919	4,516	3,251
Brazil -----	12,173	18,144	4,772	4,400
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	0
EC countries-----	279,603	353,921	96,431	64,015
Finland -----	19,623	8,791	2,720	6,155
Hungary -----	0	0	0	0
Japan -----	175,325	266,312	60,944	54,492
Mexico -----	19,948	35,327	6,582	9,012
Peoples Rep of China -----	189	263	12	0
Poland -----	570	1,099	541	285
Romania -----	30	27	0	0
Republic of South Africa -----	0	4	0	0
Korea, Republic of -----	26,936	33,988	7,847	7,868
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	32	86	0	56
Yugoslavia -----	22	4	0	0
<b>Total-----</b>	<b>547,505</b>	<b>733,064</b>	<b>184,390</b>	<b>149,555</b>
<b>Other countries:</b>				
Canada -----	112,639	138,065	39,176	28,804
Sweden -----	137,391	136,924	36,904	29,204
Taiwan -----	25,622	16,604	3,432	7,521
India -----	1,039	2,965	636	2,663
Thailand -----	458	1,148	316	268
Switzerland -----	1,434	1,895	595	423
Singapore -----	5	1,088	0	706
Argentina -----	65	360	137	28
Malaysia -----	0	45	0	0
Soviet Union -----	0	8	0	0
All others-----	152	129	61	1
<b>Total-----</b>	<b>278,805</b>	<b>299,231</b>	<b>81,257</b>	<b>69,618</b>
<b>Grand total-----</b>	<b>826,310</b>	<b>1,032,295</b>	<b>265,647</b>	<b>219,173</b>

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-March	
					1989	1990
Carbon and certain alloy 1/2 steel:						
Semifinished 2 1/2"		259		254		233
Plate	405	400		400		395
Sheet and strip:						
Hot rolled	364	378		390		368
Cold rolled	509	546		559		564
Galvanized	552	587		560		599
Tin plate	567	613		602		620
Tin free	542	574		582		573
Other coated	590	616		598		642
Average, sheet and strip:	481	511		514		525
Bar:						
Hot finished	406	454		438		466
Cold finished	598	658		634		698
Reinforcing	262	308		289		313
Light shapes	382	349		355		356
Average, bar	396	445		425		469
Wire rod	347	374		372		352
Wire	691	734		737		750
Average, wire	659	928		885		970
Wire products						
Structural shapes and units:						
Heavy structural shapes	376	377		378		363
Fabricated structurals	939	1,129		1,032		1,287
Average, structurals	436	452		438		482
Rails and related products:						
Pipe and tube:						
Off country tubular goods	383	471		497		420
Line pipe	730	743		759		689
Mechanical pipe	529	563		557		504
Structural pipe	675	787		718		841
Pressure tubing	507	563		568		553
Other (incl. standard)	793	1,021		781		1,339
Average, pipe and tube	587	520		501		509
Average, carbon and certain alloy 1/2 steel	600	613		609		573
	450	489		485		490

See footnotes at end of table.

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

Item	1988		1989		January-March	
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	1,490	1,722	1,625	1,553		
Plate	2,207	2,962	3,005	2,362		
Sheet and strip:						
Sheet	2,067	2,084	2,060	1,924		
Strip	3,331	3,255	3,195	3,146		
Average, sheet and strip:	2,149	2,253	2,237	2,119		
Bars and shapes	2,296	2,968	2,909	2,760		
Wire rod	2,357	2,857	2,922	2,514		
Misc	3,642	4,214	4,055	4,155		
Pipe and tube	3,706	4,714	4,950	4,178		
Alloy tool steel (all forms):	2,116	2,069	1,872	2,469		
Average, stainless and alloy steel	2,306	2,631	2,590	2,538		

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

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

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

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January-March	
			1989	1990
Quantity (short tons)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	103,282	25,863	9,394	1,387
Blooms and billets-----	581,907	504,638	137,706	91,510
Slabs and sheet bars-----	2,097,383	1,605,189	325,879	448,463
Total-----	2,782,572	2,135,690	472,979	541,360
Plate:				
Carbon-----	1,750,917	1,312,364	361,607	238,983
Alloy-----	106,172	107,032	25,878	22,739
Total-----	1,857,090	1,419,396	387,486	261,722
Sheet and strip:				
Hot rolled:				
Sheet-----	2,199,268	1,835,755	405,277	338,486
Strip-----	49,553	110,452	30,205	22,149
Cold rolled:				
Black plate-----	145,166	144,642	38,793	31,209
Electrical-----	64,684	85,328	25,195	13,335
Other sheet-----	2,011,242	1,701,183	368,005	298,510
Other strip-----	126,534	112,196	31,245	28,627
Galvanized-----	1,948,811	1,625,227	376,962	397,445
Tin plate-----	294,552	337,330	91,475	67,042
Tin free-----	97,460	114,902	28,612	25,865
Other coated-----	248,111	235,827	67,322	50,162
Total-----	7,185,380	6,302,844	1,463,090	1,272,831
Bar:				
Hot rolled:				
Carbon-----	476,951	525,944	120,458	93,876
Alloy-----	186,902	238,912	66,852	47,547
Cold rolled:				
Carbon-----	161,345	118,180	34,404	23,362
Alloy-----	52,093	46,608	13,903	9,271
Reinforcing-----	357,253	233,733	77,151	31,492
Light structural shapes-----	126,568	100,927	29,092	18,342
Total-----	1,361,113	1,264,305	341,860	223,889

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-March	
			1989	1990
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,355,951	1,085,797	284,465	277,338
Alloy-----	118,672	42,620	11,257	3,727
Wire:				
Carbon-----	486,699	432,369	113,978	103,580
Alloy-----	33,028	40,615	10,817	10,635
Wire products:				
Nails-----	364,748	384,737	86,034	108,940
Barbed wire-----	15,538	12,440	3,952	4,252
Wire fencing-----	12,052	60,907	14,988	11,692
Bale ties-----	1,849	955	367	239
Wire strand-----	88,300	161,751	39,890	43,147
Wire rope-----	77,564	82,812	20,019	16,657
Milliners wire-----	12,400	0	0	1/
Total-----	2,566,801	2,305,004	585,768	580,207
Structurals:				
Heavy-----	1,955,762	1,477,782	449,026	212,814
Fabricated-----	232,705	162,579	45,257	31,358
Total-----	2,188,467	1,640,361	494,283	244,172
Rails and related products:				
Rails-----	260,006	244,236	68,460	65,470
Joint bars and tie plates-----	8,487	14,023	7,921	2,117
Track spikes-----	205	5,853	1,934	919
Wheels and axles-----	50,734	58,873	17,950	3,746
Total-----	319,432	322,985	96,265	72,253
Pipes and tubes:				
Oil country tubular goods-----	1,032,296	429,448	101,426	76,164
Line pipe-----	507,914	526,983	107,473	157,585
Mechanical pipe-----	382,270	281,056	106,815	44,274
Structural pipe-----	278,870	323,918	92,262	77,449
Pressure tubing-----	52,100	44,944	17,664	8,537
Other (including standard)-----	996,487	829,195	188,393	233,708
Total-----	3,249,937	2,435,544	614,034	597,717

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	January-March			
	1988	1989	1989	1990
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	3,877	191	12	20
Blooms and billets-----	40,772	42,268	12,637	7,119
Slabs and sheet bars-----	17,758	19,663	5,483	3,279
Total-----	62,407	62,121	18,131	10,418
Plate-----	15,847	17,713	5,116	4,073
Sheet and strip:				
Sheet:				
Hot rolled-----	7,331	8,070	3,249	1,683
Cold rolled-----	103,577	112,191	26,063	25,363
Strip-----	7,676	20,258	5,423	5,136
Total-----	118,584	140,519	34,735	32,182
Bars and shapes-----	40,724	43,417	10,267	10,904
Wire rod-----	19,210	21,698	4,992	5,762
Wire-----	20,653	21,319	6,144	4,581
Pipe and tube-----	36,752	37,258	9,865	9,383
Alloy tool steel (all forms):				
Semifinished 2/-----	4,408	1,005	250	48
Bars-----	28,867	1,576	560	294
Other-----	10,820	45,732	12,501	8,711
Total-----	44,095	48,313	13,312	9,053

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-March	
			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	1.99	0.26
Blooms and billets-----	20.91	23.63	29.11	16.90
Slabs and sheet bars-----	75.38	75.16	68.90	82.84
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	94.28	92.46	93.32	91.31
Alloy-----	5.72	7.54	6.68	8.69
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	30.61	29.13	27.70	26.59
Strip-----	0.69	1.75	2.06	1.74
Cold rolled:				
Black plate-----	2.02	2.29	2.65	2.45
Electrical-----	0.90	1.35	1.72	1.05
Other sheet-----	27.99	26.99	25.15	23.45
Other strip-----	1.76	1.78	2.14	2.25
Galvanized-----	27.12	25.79	25.76	31.23
Tin plate-----	4.10	5.35	6.25	5.27
Tin free-----	1.36	1.82	1.96	2.03
Other coated-----	3.45	3.74	4.60	3.94
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	35.04	41.60	35.24	41.93
Alloy-----	13.73	18.90	19.56	21.24
Cold rolled:				
Carbon-----	11.85	9.35	10.06	10.43
Alloy-----	3.83	3.69	4.07	4.14
Reinforcing-----	26.25	18.49	22.57	14.07
Light structural shapes-----	9.30	7.98	8.51	8.19
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	January-March			
	1988	1989	1989	1990
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	52.83	47.11	48.56	47.80
Alloy-----	4.62	1.85	1.92	0.64
Wire:				
Carbon-----	18.96	18.76	19.46	17.85
Alloy-----	1.29	1.76	1.85	1.83
Wire products:				
Nails-----	14.21	16.69	14.69	18.78
Barbed wire-----	0.61	0.54	0.67	0.73
Wire fencing-----	0.47	2.64	2.56	2.02
Bale ties-----	0.07	0.04	0.06	0.04
Wire strand-----	3.44	7.02	6.81	7.44
Wire rope-----	3.02	3.59	3.42	2.87
Milliners wire-----	0.48	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	89.37	90.09	90.84	87.16
Fabricated-----	10.63	9.91	9.16	12.84
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	81.40	75.62	71.12	90.61
Joint bars and tie plates-----	2.66	4.34	8.23	2.93
Track spikes-----	0.06	1.81	2.01	1.27
Wheels and axles-----	15.88	18.23	18.65	5.18
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	31.76	17.63	16.52	12.74
Line pipe-----	15.63	21.64	17.50	26.36
Mechanical pipe-----	11.76	11.54	17.40	7.41
Structural pipe-----	8.58	13.30	15.03	12.96
Pressure tubing-----	1.60	1.85	2.88	1.43
Other (including standard)-----	30.66	34.05	30.68	39.10
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-March	
			1989	1990
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	6.21	0.31	0.07	0.19
Blooms and billets-----	65.33	68.04	69.70	68.33
Slabs and sheet bars-----	28.45	31.65	30.24	31.47
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.00	100.01
Sheet and strip:				
Sheet:				
Hot rolled-----	6.18	5.74	9.35	5.23
Cold rolled-----	87.34	79.84	75.03	78.81
Strip-----	6.47	14.42	15.61	15.96
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	100.01	100.01
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 <sup>2/</sup> -----	10.00	2.08	1.88	0.53
Bars-----	65.47	3.26	4.21	3.24
Other-----	24.54	94.66	93.91	96.22
Total-----	100.00	100.00	100.00	100.00

<sup>1/</sup> Milliners wire is included in total wire products.

<sup>2/</sup> Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

<sup>3/</sup> 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-March	
					1989	1990
Atlantic Coast	4,743,215		3,510,909		1,186,867	771,425
Great Lakes-Canadian border	6,342,613		5,688,226		969,886	837,064
Gulf Coast-Mexican border	5,938,464		4,561,954		1,330,625	1,114,166
Off-shore	403,506		371,695		111,407	61,638
Pacific Coast	4,461,267		4,085,702		959,542	1,096,215
Total	21,869,065		18,218,486		4,558,326	3,880,508

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-March	
					1989	1990
Carbon and certain alloy 1/						
steel:						
Semifinished 2/	671,964	323,401	114,646	57,794		
Plate	331,537	216,546	73,706	47,080		
Sheet and strip	1,771,637	1,281,884	449,192	324,764		
Bars and certain shapes	220,708	155,134	58,201	30,124		
Wire rod	297,606	215,013	75,118	43,158		
Wire	108,857	88,009	23,684	20,545		
Wire products	220,011	237,679	60,827	62,026		
Structural shapes and units	602,240	458,130	170,473	48,337		
Rails and related products	36,885	35,669	11,151	4,098		
Pipe and tube	523,784	340,606	102,858	94,872		
Total	4,585,229	3,352,071	1,139,856	732,797		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	24,249	14,669	6,439	3,555		
Plate	6,134	8,900	2,920	2,045		
Sheet and strip	45,874	47,438	14,955	13,294		
Bars and certain shapes	22,371	22,418	5,853	4,614		
Wire rod	13,526	16,289	3,835	4,244		
Wire	10,593	11,848	3,388	2,282		
Pipe and tube	12,391	14,468	2,586	3,833		
Tool steel (all forms)	22,848	22,807	7,036	4,761		
Total	157,986	158,838	47,012	38,628		
Grand Total	4,743,215	3,510,909	1,186,867	771,425		

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-March		
	1988	1989	1990
Carbon and certain alloy 1/			
steel:			
Semifinished 2/	414,978	393,604	16,425
Plate	723,681	551,017	86,293
Sheet and strip	2,396,464	2,145,556	270,755
Bars and certain shapes	625,771	650,140	129,259
Wire rod	545,070	466,968	110,773
Wire	253,271	230,319	65,107
Wire products	83,750	106,485	24,569
Structural shapes and units	522,423	375,682	71,431
Rails and related products	179,981	161,932	42,185
Pipe and tube	488,572	492,836	125,036
Total	6,233,970	5,574,539	941,833
Stainless and alloy tool steel:			
Semifinished 2/	34,966	36,980	11,055
Plate	3,246	2,652	7,441
Sheet and strip	33,923	35,682	7,037
Bars and certain shapes	4,098	4,337	668
Wire rod	661	822	122
Wire	6,053	5,832	1,542
Pipe and tube	7,833	7,190	2,151
Total	17,869	20,192	5,037
Tool steel (all forms)	108,645	113,688	28,053
Total	6,342,613	5,688,226	969,886
Grand Total			837,064

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

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

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

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

(Short tons)

Item	1988		1989		January-March	
	1988	1989	1989	1990	1989	1990
Carbon and certain alloy 1/ steel:						
Semifinished 2/						
Plate	1,061,770	684,289	203,147	175,564		
Sheet and strip	567,614	439,139	149,071	117,014		
Bars and certain shapes	1,558,244	1,316,891	402,683	287,887		
Wire rod	137,056	157,610	63,493	43,364		
Wire	349,946	220,248	61,016	58,347		
Wire products	64,524	61,675	15,955	16,235		
Structural shapes and units	105,823	138,125	29,198	43,177		
Rails and related products	493,074	323,672	114,068	53,723		
Pipe and tube	64,016	81,408	38,959	27,845		
Total	1,493,874	1,070,870	238,345	276,942		
	5,895,942	4,493,927	1,315,935	1,100,097		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/						
Plate	3,131	10,462	638	165		
Sheet and strip	3,233	4,000	1,304	575		
Bars and certain shapes	16,038	30,331	6,107	8,046		
Wire rod	6,668	7,646	1,800	1,902		
Wire	1,220	1,735	364	575		
Pipe and tube	606	1,144	284	568		
Tool steel (all forms)	10,896	11,123	4,111	1,934		
Total	42,730	1,585	82	305		
Grand Total	42,730	68,027	14,689	16,069		
	5,938,464	4,561,954	1,330,625	1,114,166		

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

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

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

Table 36.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Off-shore customs area, 1988, 1989, and by specified periods, 1989 and 1990  
(Short tons)

Item	1988		1989		January-March	
	1988	1989	1989	1990	1989	1990
Carbon and certain alloy 1/ steel:						
Semifinished 2/	3/	0	7,984	0	2,565	1,217
Plate	13,906	77,155	169,928	16,149	16,149	22,460
Sheet and strip	72,445	157,620	5,174	54,660	54,660	23,367
Bars and certain shapes	16,953	11,407	11,407	3,063	3,063	3,926
Wire rod	14,739	6,070	11,407	1,152	1,152	2,700
Wire products	10,190	28,269	6,070	13,907	13,907	1,484
Structural shapes and units	21,786	333	28,269	185	185	2,316
Rails and related products	93,829	64,215	64,215	19,018	19,018	4,023
Pipe and tube	401,758	370,534	370,534	110,745	110,745	61,604
Total						
Stainless and alloy tool steel:						
Stainless steel:	0	0	0	0	0	0
Semifinished 2/	3/	1	36	0	0	0
Plate	0	36	3/	3/	3/	0
Sheet and strip	15	0	0	0	0	0
Bars and certain shapes	0	810	810	348	348	0
Wire rod	1,690	18	18	18	18	7
Wire	42	295	295	295	295	8
Pipe and tube	0	1,161	1,161	662	662	19
Tool steel (all forms)	1,748	1,161	1,161	662	662	34
Total	1,748	371,695	371,695	111,407	111,407	61,638
Grand Total	403,506	371,695	371,695	111,407	111,407	61,638

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-March	
	1988	1989	1989	1990	1989	1990
Carbon and certain alloy 1/ steel:						
Semifinished 2/	833,859	734,396	138,761	295,028		
Plate	220,352	204,710	75,850	36,929		
Sheet and strip	1,366,590	1,481,358	324,310	396,287		
Bars and certain shapes	219,758	131,492	36,247	31,901		
Wire rod	265,048	221,015	48,770	60,775		
Wire	78,336	81,573	16,986	20,091		
Wire products	152,677	215,243	49,505	51,568		
Structural shapes and units	548,943	454,608	124,405	61,688		
Rails and related products	38,461	43,644	3,786	15,238		
Pipe and tube	649,871	467,017	128,776	115,030		
Total	4,393,893	4,035,056	947,396	1,084,556		
Stainless and alloy tool steel:						
Stainless steel:						
Semifinished 2/	61	10	0	664		
Plate	3,233	2,159	450	5,717		
Sheet and strip	22,749	27,032	6,636	2,214		
Bars and certain shapes	7,573	9,015	1,946	580		
Wire rod	3,803	2,852	672	338		
Wire	1,711	1,685	582	1,822		
Pipe and tube	5,590	4,459	998	324		
Tool steel (all forms)	2,653	3,433	862	324		
Total	47,373	50,869	12,146	11,659		
Grand Total	4,441,267	4,085,925	959,542	1,096,215		

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.



A-1

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 CLERK  
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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  
 CLERK/STAFF

DR/jn

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B-1

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 record<sup>1</sup> developed in the subject investigation, the Commission determines,<sup>2</sup> pursuant to section 703(a) of the Tariff Act of 1930 (19 U.S.C. 1671b(a)), that there is no reasonable indication that an industry in the United States is materially injured, or is threatened with material injury, or the establishment of an industry in the United States is materially retarded, by reason of imports from Canada of plastic tubing corrugators, provided for in subheadings 8477.30.00 and 8477.40.00 of the Harmonized Tariff Schedule of the United States (formerly provided for in items 678.3535 and 678.3545 of the Tariff Schedules of the United States), that are alleged to be subsidized by the Government of Canada.

#### Background

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

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

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.

<sup>1</sup> The record is defined in § 207.2(h) of the Commission's Rules of Practice and Procedure (19 CFR 207.2(h)).

<sup>2</sup> Chairman Brunedale and Vice Chairman Case dissenting.

C-1

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 cm<sup>2</sup> 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, 7314.42.0000, 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, not covered with nonmetallic material, as provided for in items 7312.10.1030, 7312.10.1050, 7312.10.1060, 7312.10.1070, 7312.10.3005, 7312.10.3015, 7312.10.3020, 7312.10.3065, 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.



Appendix D

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

MAY 25 1990

## EUROPEAN COMMUNITIES

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Products	107,998	0.76%	820,785	+++	+++	820,785
Slab	NA	***	755,122	+++	NA	755,122
Plate	6,279	7.13%	447,693	+++	+++	447,693
Hot Rolled Sheet	18,919	7.29%	1,379,195	+++	+++	1,379,195
Cold Rolled Sheet	15,385	5.94%	913,869	+++	+++	913,869
Black Plate	453	12.84%	58,165	+++	+++	58,165
Cold Rolled Strip	709	5.34%	37,861	+++	+++	37,861
Electrical Sheet and Strip	546	4.98%	27,191	+++	+++	27,191
Stainless Plate	127	5.89%	7,480	+++	+++	7,480
Stainless Sheet and Strip	1,230	5.94%	73,062	+++	+++	73,062
Tin Plate	3,343	2.96%	98,953	+++	+++	98,953
Tin-Free Steel	1,144	4.22%	48,277	+++	+++	48,277
Other Coated Flat Rolled Products	15,064	4.51%	679,386	+++	+++	679,386
Electroalvanized	NA	***	169,847	+++	NA	169,847
Rebar	6,084	0.09%	5,476	+++	+++	5,476
Hot Finished Bar	7,259	3.09%	224,303	+++	+++	224,303
Cold Finished Bar	1,623	6.63%	107,605	+++	+++	107,605
Stainless Bar	179	7.40%	13,246	+++	+++	13,246
Carbon Wire Rod	5,920	5.70%	337,440	+++	+++	337,440
Stainless Wire Rod	62	13.16%	8,159	+++	+++	8,159
Alloy Wire Rod	192	19.68%	37,786	+++	+++	37,786
Bar Shapes Under 80mm	1,612	2.48%	39,978	+++	+++	39,978
Structurals	6,893	14.15%	975,396	+++	+++	975,396
Sheet Piling	403	23.70%	95,449	+++	+++	95,449
Fabricated Structurals	NA	****	20,683	+++	NA	20,683
Stainless Wire	47	15.34%	7,210	+++	+++	7,210
Wire Strand	NA	****	62,250	+++	NA	62,250
Wire Rope	NA	****	12,250	+++	NA	12,250
Carbon/Alloy Wire	NA	****	228,250	+++	NA	228,250
Wire Products	NA	****	31,875	+++	NA	31,875
Rails	701	9.26%	64,913	+++	+++	64,913
Rail Products	NA	****	4,875	+++	NA	4,875
Total Pipe and Tube	7,232	8.82%	637,862	+++	+++	637,862
OCTG	1,591	9.00%	143,190	+++	+++	143,190
Alloy Tool Steel	104	11.02%	11,461	+++	+++	11,461
Other Specialty Steel	NA	****	15,125	+++	NA	15,125

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

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

\*\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

MAY 25 1990

## A U S T R A L I A

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Steel	107,998	0.118%	127,438	+++	+++	127,438
Coated Flat Rolled	19,551	1.015%	198,443	+++	+++	198,443
Other Flat Rolled	43,648	0.113%	49,322	+++	+++	49,322
Pipe and Tube	7,232	0.300%	21,696	+++	+++	21,696
Other Finished Steel	33,292	0.089%	29,630	+++	+++	29,630

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

+++ Not yet available

MAY 25 1990

## A U S T R I A

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months  
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)	Arrangement I.P.	Unadjusted Initial Period Ceiling**	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Flat Rolled Products	63,199	0.30%	189,597	+++	+++	189,597
Stainless Bar	NA	+++	312	+++	+++	312
Stainless Rod	NA	+++	312	+++	+++	312
OCTG	1,591	1.40%	22,274	+++	+++	22,274
Other Pipe and Tube	5,641	0.30%	16,923	+++	+++	16,923
Other Steel Products	37,222	0.11%	40,944	+++	+++	40,944
Alloy Tool Steel	104	4.00%	4,160	+++	+++	4,160

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

MAY 25 1990

## B R A Z I L

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Products	107,998	0.914%	987,102	+++	+++	987,102
Billets	NA	***	150,000	+++	NA	150,000
Plate	6,406	1.249%	80,011	+++	+++	80,011
Hot Rolled Sheet and Strip	18,919	1.061%	200,731	+++	+++	200,731
Cold Rolled Sheet and Strip	17,777	1.015%	180,437	+++	+++	180,437
Cold Rolled Strip	709	2.870%	20,348	+++	+++	20,348
Other Sheet and Strip	20,097	0.162%	32,557	+++	+++	32,557
Tin Plate	3,343	0.145%	4,847	+++	+++	4,847
Electrical Sheet and Strip	546	0.181%	988	+++	+++	988
Electrogalvanized Sheet	2,695	0.087%	2,345	+++	+++	2,345
C/A Hot Finished Bar	13,343	1.111%	148,241	+++	+++	148,241
C/A Cold Finished Bar	1,623	0.808%	13,114	+++	+++	13,114
C/A Wire Rod	6,112	1.690%	103,293	+++	+++	103,293
Angles, Shapes, Sections	9,070	0.389%	35,282	+++	+++	35,282
Structurals	7,296	0.160%	11,674	+++	+++	11,674
Rail Products	162	2.807%	4,547	+++	+++	4,547
Wire and Wire Products	2,051	1.739%	35,667	+++	+++	35,667
Wire Strand	NA	***	4,787	+++	NA	4,787
Wire Rope	196	0.585%	1,147	+++	+++	1,147
Rails	701	0.000%	0	+++	+++	0
OCTG	NA	***	2,000	+++	NA	2,000
Line Pipe	1,747	3.523%	61,547	+++	+++	61,547
Other Pipe and Tubes	3,894	1.635%	63,667	+++	+++	63,667
Standard Pipe	2,148	2.542%	54,602	+++	+++	54,602
Structural Pipe	545	0.908%	4,949	+++	+++	4,949
Mechanical Pipe	1,018	0.645%	6,566	+++	+++	6,566
Stainless and Pressure Pipe	183	0.941%	1,722	+++	+++	1,722
Specialty Products	392	2.671%	10,470	+++	+++	10,470
Stainless Bar	179	2.464%	4,411	+++	+++	4,411
Stainless Wire Rod and Wire	109	3.204%	3,492	+++	+++	3,492
Alloy Tool Steel	104	2.346%	2,440	+++	+++	2,440

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

## FINLAND

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

MAY 25 1990

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished	107,998	0.016%	17,280	+++	+++	17,280
Carbon/Alloy Flat Rolled	42,291	0.442%	186,926	+++	+++	186,926
Cold Rolled Sheet	15,838	0.114%	18,055	+++	+++	18,055
Cold Rolled Strip	709	0.457%	3,240	+++	+++	3,240
Stainless Flat Rolled	1,357	0.978%	13,271	+++	+++	13,271
Coated Flat Rolled	19,551	0.130%	25,416	+++	+++	25,416
Galvanized Sheet	13,317	0.130%	17,312	+++	+++	17,312
Bar and Rod	21,319	0.037%	7,888	+++	+++	7,888
Carbon Cold Finished Bar	1,333	0.010%	133	+++	+++	133
Wire and Wire Products	2,098	0.024%	504	+++	+++	504
Pipe and Tube	7,232	0.140%	10,125	+++	+++	10,125
OCTG	1,591	0.200%	3,182	+++	+++	3,182
Other Steel Products	9,875	0.012%	1,185	+++	+++	1,185

\* Initial Period Apparent Consumption is defined as follows:  
((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

+++ Not yet available



MAY 25 1990

J A P A N  
 May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
 Arrangement Products Subject to Export Licensing  
 Reflects Initial Period of Fifteen Months\*  
 (Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Steel	107,998	0.088%	95,038	+++	+++	95,038
Plate	6,406	0.990%	63,419	+++	+++	63,419
Sheet and Strip	56,793	5.730%	3,254,239	+++	+++	3,254,239
Cold Rolled Sheet and Strip	16,547	4.590%	759,507	+++	+++	759,507
Coated Sheet and Strip	15,064	11.690%	1,760,982	+++	+++	1,760,982
Electrogalvanized	2,695	16.390%	441,711	+++	+++	441,711
Electrical Sheet and Strip	546	6.670%	36,418	+++	+++	36,418
Tin Plate	3,343	5.790%	193,560	+++	+++	193,560
Tin-Free Steel	1,144	6.620%	75,733	+++	+++	75,733
Bar	14,966	0.600%	89,796	+++	+++	89,796
Cold Finished	1,623	2.000%	32,460	+++	+++	32,460
Stainless Bar	179	10.470%	18,741	+++	+++	18,741
Wire Rod and Wire Products	8,210	6.030%	495,063	+++	+++	495,063
Wire Rod	6,112	5.930%	362,442	+++	+++	362,442
Stainless Rod	62	10.440%	6,473	+++	+++	6,473
Structural Shapes	9,771	7.110%	694,718	+++	+++	694,718
Rail and Rail Products	863	9.560%	82,503	+++	+++	82,503
Fabricated Structurals	NA	***	50,453	+++	NA	50,453
Welded H-Beams	NA	***	30,000	+++	NA	30,000
Pipe and Tube	7,232	8.650%	625,568	+++	+++	625,568
OCTG	1,591	9.660%	153,691	+++	+++	153,691
Line Pipe	1,747	15.520%	271,134	+++	+++	271,134
Structural Pipe	545	12.000%	65,400	+++	+++	65,400
Alloy Tool Steel	104	5.890%	6,126	+++	+++	6,126

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

MAY 25 1990

## K O R E A

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Steel	107,998	0.271%	292,675	+++	+++	292,675
Plate	6,279	1.140%	71,581	+++	+++	71,581
Sheet and Strip	55,563	2.100%	1,166,823	+++	+++	1,166,823
HR S & S	18,919	2.490%	471,083	+++	+++	471,083
CR S & S	16,547	2.450%	405,402	+++	+++	405,402
C/A Strip	NA	+++	1,375	+++	NA	1,375
Coated	15,064	1.720%	259,101	+++	+++	259,101
Electro-Galv	NA	+++	33,750	+++	NA	33,750
Electrical	NA	+++	1,375	+++	NA	1,375
Stainless Flat-Rolled	1,357	0.870%	11,806	+++	+++	11,806
Bar	14,966	0.630%	94,286	+++	+++	94,286
Stainless Bar	179	1.560%	2,792	+++	+++	2,792
Wire, Wire Rod & Wire Prod.	8,210	2.370%	194,577	+++	+++	194,577
Stainless Wire	NA	+++	1,000	+++	NA	1,000
C/A Wire	NA	+++	9,625	+++	NA	9,625
Stainless Rod	62	1.930%	1,197	+++	+++	1,197
Structurals	9,771	1.350%	131,909	+++	+++	131,909
Rails	701	0.630%	4,416	+++	+++	4,416
Fab. Structurals	NA	+++	68,040	+++	NA	68,040
Wire Rope	NA	+++	57,500	+++	NA	57,500
Wire Strand	NA	+++	36,751	+++	NA	36,751
Pipe & Tube	7,232	7.670%	554,694	+++	+++	554,694
Structural	545	4.430%	24,144	+++	+++	24,144
OCTG	1,591	2.900%	46,139	+++	+++	46,139
Standard	2,148	17.930%	385,136	+++	+++	385,136
Alloy Tool Steel	104	2.110%	2,194	+++	+++	2,194

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

## MEXICO

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

MAY 25 1990

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceilings	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
Semi-Finished Steel	107,998	0.24%	259,195	+++	+++	259,195
C/A Flat Rolled	42,291	0.28%	118,415	+++	+++	118,415
C/A HR Sheet and Strip	18,919	0.23%	43,514	+++	+++	43,514
C/A CR Sheet and Strip	16,547	0.19%	31,439	+++	+++	31,439
Plate	6,279	0.70%	43,953	+++	+++	43,953
Stainless Flat Rolled	1,357	0.88%	11,942	+++	+++	11,942
Coated Flat Rolled	19,551	0.67%	130,992	+++	+++	130,992
Bar and Rod	21,319	0.99%	211,058	+++	+++	211,058
Carbon CF Bar	1,333	0.53%	7,065	+++	+++	7,065
Carbon Wire Rod	5,920	2.17%	128,464	+++	+++	128,464
Stainless Bar and Rod	241	0.03%	72	+++	+++	72
Angles, Shapes, Sections/Rail and Rail Products	9,771	0.72%	70,351	+++	+++	70,351
Wire and Wire Products	2,098	3.00%	62,940	+++	+++	62,940
Wire Rope	196	2.54%	4,978	+++	+++	4,978
Wire Strand	NA	***	2,000	+++	NA	2,000
Panels and Mesh	2,051	0.86%	17,639	+++	+++	17,639
Other Wire and Wire Products and Fence	2,051	1.82%	37,328	+++	+++	37,328
Pipe and Tube	7,232	2.55%	184,416	+++	+++	184,416
OCTG	1,591	2.00%	31,820	+++	+++	31,820
Line Pipe	1,747	3.64%	63,591	+++	+++	63,591
Standard Pipe	2,148	4.21%	90,431	+++	+++	90,431
Tool Steel	104	0.31%	322	+++	+++	322

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

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

\*\*\* Export ceiling is fixed tonnage.

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

+++ Not yet available

NA Not Applicable

MAY 25 1990

## VENEZUELA

May 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

Categories	Apparent Consumption Forecast for Initial Period (1,000s)**	Arrangement I.P.	Unadjusted Initial Period Ceiling	Flexibility Adjustments	Actual to Forecasted Apparent Consumption Adjustment	Adjusted Initial Period Export Ceiling
-----						
Carbon/Alloy Flat-Rolled and						
Stainless	43,648	0.223%	97,335	+++	+++	97,335
Coated Flat-Rolled	19,551	0.195%	38,124	+++	+++	38,124
Bar and Rod	21,319	0.358%	76,322	+++	+++	76,322
Carbon Wire Rod	5,920	0.339%	20,069	+++	+++	20,069
Rebar	6,084	0.754%	45,873	+++	+++	45,873
Pipe & Tube	7,232	0.844%	61,038	+++	+++	61,038
OCTG	1,591	0.000%	0	+++	+++	0
Line	1,747	2.246%	39,238	+++	+++	39,238
Standard	2,148	0.540%	11,599	+++	+++	11,599
Other Steel Products	11,973	0.129%	15,445	+++	+++	15,445
Semi-Finished	107,998	0.069%	74,519	+++	+++	74,519
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- \* Initial Period Apparent Consumption is defined as follows:  
((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))
- \*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.
- +++ Not yet available

MAY 25 1990

Initial Period Export Ceilings of Fixed Tonnage Countries  
Quantities in Metric Tons

## P O L A N D

Product Category	Tons
-----	----
Plate	37,500
Stainless Bars	0
Stainless Rod	0
Wire Rod	12,500
Structurals	37,500
Wire and Wire Products	31,250
OCTG	0
Other Pipe & Tube	12,500
Alloy Tool Steel	440

## Y U G O S L A V I A

Product Category	Tons
-----	----
Stainless Bars	500
Stainless Rod	1,500
Wire and Wire Products	14,000
OCTG	0
Other Pipe & Tube	11,000
Other Steel Products	23,000
Alloy Tool Steel	0

## R O M A N I A

Product Category	Tons
-----	----
Plate	80,250
Sheet & Strip	5,250
Stainless Rod	200
OCTG	2,000
Other Pipe & Tube	27,500
All Other Steel Products	4,500
Alloy Tool Steel	100

## E A S T G E R M A N Y

Product Category	Tons
-----	----
Flat Rolled Products	67,500
Stainless Bars	0
Stainless Rod	0
Wire Rod	25,000
OCTG	0
Other Pipe & Tube	7,500
All Other Steel Products	12,500
Alloy Tool Steel	0

## H U N G A R Y

Product Category	Tons
-----	----
Flat Rolled Products	41,250
Stainless Bars	250
Stainless Rod	250
OCTG	0
All Other Steel Products	8,125
Alloy Tool Steel	125

MAY 25 1990

THE PEOPLE'S REPUBLIC  
OF CHINA

Product Category	Metric Tons
-----	-----
Nails	43,000
All Other Steel Products	46,737

TRINIDAD AND TOBAGO

Product Category	Net Tons
-----	-----
Semi-Finished Steel	24,250
Bars and Rod	111,000
Wire Rod	80,000
All Other Steel Products	4,750