QUARTERLY SURVEY ON CERTAIN STAINLESS STEEL AND ALLOY TOOL STEEL (COVERING THE FIRST QUARTER OF 1987)

Report to the President on investigation No. 332-167 Under Section 332 of the Tariff Act of 1930

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UNITED STATES INTERNATIONAL TRADE COMMISSION

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NOTICE

The whole of the Commission's report to the President may not be made public since it contains certain information that has been classified by the United States Trade Representative or would result in the disclosure of the operations of individual concerns. This published report is the same as the report to the President, except that the above—mentioned information has been omitted (as indicated by asterisks).

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QUARTERLY REPORT ON CERTAIN STAINLESS STEEL AND ALLOY TOOL STEEL HIGHLIGHTS

During the first quarter (January-March) 1987, compared to the fourth quarter of 1986:

- DOMESTIC PRODUCTION of the stainless steel and alloy tool steel products covered by the investigation increased 18 percent to 317,304 tons; increases occurred in all product categories.
- U.S. PRODUCERS' SHIPMENTS rose 12 percent to 299,877 tons.
- AVERAGE EMPLOYMENT of production and related workers increased 1 percent to 10,675 workers.
- U.S. PRODUCERS' AND IMPORTERS' PRICES showed noteworthy declines and increases among products. There were a fairly equal number of increases and decreases in producers' prices compared with the previous quarter, but importers' prices showed more declines than increases.
- U.S. IMPORTERS' UNFILLED ORDERS increased 11 percent to 37,866 tons.
- U.S. IMPORTERS' INVENTORIES decreased 8 percent to 19,589 tons.

U.S. production and producers' shipments

U.S. production of the stainless steel and alloy tool steel products covered by the investigation increased overall from October-December 1986 to January-March 1987. There were production and shipment increases in all product categories, partly reflecting increased domestic demand from automobile and appliance manufacturers, and increased export demand. Stainless steel flat-rolled product producers may also be benefiting from the effects of the Voluntary Restraint Agreements (VRA's) which have led to reduced imports of stainless steel sheet, strip, and plate in a growing U.S. market during early 1987, permitting U.S. producers of these products to expand their market share.

Employment and hours worked

The average number of all persons employed in producing the subject stainless steel and alloy tool steel products increased from 14,646 persons to 14,856 persons, or by 1 percent, from October-December 1986 to January-March 1987. Employment of production and related workers rose from 10,543 workers to 10,675 workers, or by 1 percent, over the same period. These increases in employment are the first to occur since the second quarter of 1984, and reflect the rise in production levels. The number of hours worked by production and related workers increased by 8 percent during the period.

U.S. producers' prices

Surveys of the weighted average prices of selected domestic stainless steel and alloy tool steel products showed a fairly equal number of price declines and increases between October 1986 and March 1987 for sales to both service centers and end-users. This marks a halt in the downward pattern in producers' prices that occurred during 1986.

U.S. importers' prices

Pricing data reported by U.S. importers for certain stainless steel and alloy tool steel products revealed more price declines than increases between October 1986 and March 1987. This is a departure from the fluctuating pattern that has generally characterized importers' prices since early 1985.

U.S. importers' unfilled orders and inventories

Data on importers' unfilled orders from foreign sources indicate an overall increase between December 31, 1986 and March 31, 1987. There were increases in such orders for stainless steel sheets and strip, plate, and alloy tool steel and decreases in orders for stainless steel bar and wire rod during the period. Importers' inventories of * * * decreased between the two quarters, while inventories of * * * rose.

Table 1.--Certain stainless steel and alloy tool steel: U.S. production, U.S. producers shipments, average number of all persons employed, average number of production and related workers employed, and number of man-hours worked by production and related workers, by specified periods, October 1982-March 1987

of Fig.	Ü.S.	U.S.	Average number of	Average number of production	Man-hours Worked by
Period	production	producers shipments	all persons employed	and related workers employed	production and related workers
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1982:					
OctDec	162,178	163,952	13,904	9,312	4,309,228
1983:					
JanMar	204,170	196,850	15,411	9,725	5,002,444
AprJun	234,292	230,994	14,782	10,069	5,583,320
JulSep	291,662	264,304	18,705	13,503	6,364,524
OctDec	315,624	293,239	19,088	13,652	6,936,212
1984:					
JanMar	340,076	314,040	19,781	14,551	7,722,925
AprJun	321,407	312,983	19,786	14,611	7,129,428
JulSep	231,874	251,268	19,279	13,961	6,371,301
OctDec	284,644	268,161	19,056	13,660	6,728,275
1985:					
JanMar	313,391	307,153	18,336	13,140	6,738,552
AprJun	323,894	313,349	17,836	12,923	6,839,863
JulSep	273,340	279,146	17,077	12,222	6,002,974
OctDec	254,487	272,054	16,170	11,467	5,782,460
1986:			*		
JanMar	265,905	272,872	15,567	11,240	5,790,222
AprJun	283,583	270,110	14,965	11,030	5,757,539
JulSep	263,536	247,461	14,897	10,636	5,000,457
OctDec	269,242	266,816	14,646	10,543	5,075,902
1987:					
JanMar	317,304	299,877	14,856	10,675	5,473,229

Table 2.--Certain stainless steel and alloy tool steel: U.S. production, by types and by specified periods, October 1982-March 1987

(In tons)

This take take may have this take over hide over 144 take 144 take 144 take	AT AND THE TAX AND THE SECOND	Stainless	steel	the state true and the state that the	Alloy tool
Period	Sheets and	Flate	Bar	Rod	steel, all
	strip				forms
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1982:	er e				
OctDec	107,873	23,145	17,321	5,067	8,772
1983:					
JanMar	143,081	22,538	21,113	6,195	11,243
AprJun	160,718	23,437	27,105	8,489	14,543
JulSep	215,116	24,690	31,123	8,174	12,559
OctDec	217,471	30,710	37,188	10,893	19,362
1984:					
JanHar	226,397	29,727	46,701	13,029	24,222
AprJun	201,604	35,433	47,088	13,462	23,820
JulSep	130,561	29,38/	41,37/	9,615	20,934
OctDec	176,174	33,747	42,782	11,015	20,926
1985:				,	
JanMar	203,589	35,734	46,158	10,071	17,839
AprJun	213,547	42,168	44,717	7,338	16,124
JulSep	185,045	34,944	32,367	5,620	15,364
OctDec	164,066	31,658	34,239	7,741	16,783
1986:					•
JanMar	170,519	29,739	37,164	10,098	18,385
AprJun	185,467	33,434	37,368	9,585	17,729
JulSep	170,519	29,739	37,164	10,098	16,016
OctDec	184,996	33,287	28,192	10,109	12,658
1987:					
JanMar	216,438	36,120	36,930	10,817	16,999
1987:					
Januar y	76,164	11,923	11,516	4,085	4,383
February	68,571	11,881	12,576	3,001	5,413
March	71,703	12,316	12,838	3,731	7,203
	-			•	

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 3.—Certain stainless steel and alloy tool steel: U.S. producers shipments, by types, by specified periods, October 1982—March 1987

(In tons)

The second secon	to allow that the time that the fire that the time the	Stainless	s steel	10 (10 10 10 10 10 10 10 10 10 10 10 10 10 1	Alloy tool
Feriod	Sheets and strip	Flate	Bar	Rod	steel, all forms
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1982:					· · · · · · · · · · · · · · · · · · ·
OctDec	107,711	21,512	19,59	94 5,188	9,947
1983:					Yes a second
JanMar	132,297	22,565	24,1	72 5,976	11,840
AprJun	159,874	24,479	25,38	30 8,239	13,022
JulSep	192,448	24,314	26,50	34 7,863	13,145
OctDec	209,154	27,732	32,00	24 9,918	14,411
1984:					1 - 1
JanMar	210,616	29,591	41,43	36 12,201	20,196
AprJun	201,518	30,680	42,24	46 14,096	24,443
JulSep	155,535	28,093	38,2	12 10,434	18,994
OctDec	169,922	28,439	37,47	76 12,490	19,834
1985:					7 - Fr. 1
JanMar	205,907	36,108	37,28	31 9,623	18,234
AprJun	207,267	40.779	40,47	79 7,232	17,592
JulSep	190,149	36,739	31,55	50 5,900	14,808
OctDec	183,923	32,018	32,00	14 8,173	15,926
1986:		,		·	
Jen Mer	177,724	31,106	36,83	34 9,436	17,772
AprJun	176,310	32,375	35,61	16 9,785	16,124
JulSep	165,964	26,516	31,20	9,170	14,611
OctDec	183,490	30,223	30,08	56 9,2 98	13,748
1987:		41			2 - Zed.
JanMar	202,576	37,120	35,12	27 10,041	15,013
1987:					*
January	74,496	12,889	11,66	53 3,001	4,324
February	62,293	11,288	11,50		A control of the control of
Merr Chi	65,787	12,943	11,92		

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 4.--Certain stainless steel and alloy tool steel: Average number of all persons employed in U.S. establishments in which certain stainless steel and alloy tool steel products are produced, by specified periods, October 1982-March 1982

		Stainless	steel		011	
Period	Sheets and	Flate Bar		Rod	Alloy too steel, al	
	strip		1		forms	
982:			90 AM 144 THE AM DEC 1117 HE 1119 AM AM DEL	. 1800 THE TOTAL THE LOTE AND LOTE AND A	(III) 1101 1111 1114 (III) 1114 1114 1114 1114 1114 1114 1114	
OctDec	4,320	1,609	3,497	873	3,60	
983:	"F & "	1,007	9 "Y 7 7	@ / 'm	an y to to	
JanMar	6,249	1,459	3,422	796	3,48	
AprJun.	5,234	1,514	3,450	1,027	3,55	
JulSep	8,388	1,542	4,112	1,090	3,57	
OctDec						
	8,226	1,498	4,316	1,234	3,81	
984:	(") "" / (")	4 29/7/52	A 4 mm	1 (27.4)	THE PERSON	
JanMar	8,748	1,326	4,490	1,264	3,95	
Apr. Jun.	7,789	1,526	5,016	1,304	4,15	
JulSep	6,573	1,712	5,700	1,158	4,13	
OctDec	6,472	1,754	5,385	1,244	4,20	
785:	g pro- pro- pro-	4 . 4 275	PT 775 4 PTP	, , , , , , , , , , , , , , , , , , ,	***************************************	
JanMar	6,555	1,619	5,213	990	3,95	
Apr. Jun.	6,405	1,900	5,458	754	3,11	
JulSep	6,320	1,845	5,192	706	3,01	
OctDec	5,985	1,607	4,810	866	2,90	
786:	*					
JanMar	5,353	1,416	4,803	943	3,05	
Apr. Jun.	5,061	1,522	4,454	956	2,97	
JulSep	5,222	1,555	4,299	1,024	2,79	
OctDec	5,263	1,649	4,092	1,075	2,56	
787:						
JanMar	5,618	1,618	4,018	1,022	2,58	
787:						
January	5,578	1,691	4,115	1,033	2,46	
February	5,211	1,683	3,951	966	2,65	
Mar ch	6,066	1,479	3,988	1,067	2,61	

Table 5.--Certain stainless steel and alloy tool steel: Average number of production and related workers employed in U.S. establishments in which certain stainless steel and alloy tool steel products are produced, by specified periods, October 1982-March 1987

THE COLUMN STREET OF STREET ST	4400 11300 1100 12000 1100 1100 1100 1100	Stainless	steel	1117 1111 1111 1111 1111 1111		
Period	Sheets and strip	Flate	Ear"	Rod		y tool el, all
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1982:	*	. **				2014 1001 2014 20
OctDec	3,243	1,162	2,037	476		2,394
1983:			1.11			
Jan Met.	3,854	1,056	2,004	456		2,355
AprJun	3,842	1,115	2,126	598	100	2,388
JulSep	6,656	1,075	2,656	666		2,450
OctDec	6,466	1,115	3,024	780		2,267
1984:						
JenMer	6,987	9//	3,024	807		2,756
AprJun	6,272	1,082	3,496	847		2,914
JulSep	5,129	1,220	3,958	735		2,919
OctDec	4,983	1,233	3,749	782		2,913
1985:						
JanMar	5,099	1,126	3,548	636		2,731
AprJun	5,006	1,418	3,852	463		2,184
JulSep	4,836	1,337	3,521	443		2,085
OctDec	4,527	1,158	3,280	528		1,974
1986:			•			
JanMar	4,023	1,115	3,350	621		2,130
AprJun	4,107	1,126	3,102	635		2,061
JulSep	4,003	1,122	2,901	659		1,951
OctDec	4,023	1,184	2,868	733	*	1,735
1987:	. 4	N 4 2 3 3 5 5	nu y sur ur ur	,		
JanMar	4,302	1,158	2,714	683	14	1,818
1987:	The second second	if it may and	die g C ik T	\$1.0° \$1.0° \$1.0°		y a per or per
January	4,253	1,211	2,771	715		1,777
February	4,002	1,200	2,615	620		1,819
March	,	,		715		* .
Liet, C. D. and an an an an an an	4,650	1,064	2,755	110		1,859

Table 6.—Certain stainless steel and alloy tool steel: Number of man-hours worked by production and related workers in U.S. establishments in which certain stainless steel and alloy tool steel products are produced, by specified periods, October 1982-March 1987

		Stainles	s steel		Alloy tool
Feriod	Sheets and strip	Plate	Bar	Rod	steel, all forms
that have have more many take on to seets steps only once more many that the re-	*** **** 14" 14" *** 14" 14" 14" 14" 14" 14" 14" 14" 14" 14"			And I'M 100 144 166 PM 101 100 100 100 100 1	
982:					
OctDec	1,881,440	390,777	879,812	187,186	970,013
983:	,	,			,
JanMar	2,384,759	436,443	1,002,148	219,000	960,094
AprJun	2,668,251	465,570	1,106,076	302,000	1,041,423
JulSep	3,020,375	486,076	1,484,447	325,431	1,048,195
OctDec	3,099,366	450,775	1,736,844	408,380	1,240,847
984:	.,,		- ,	, , , , , , , , , , , , , , , , , , , ,	, · · · , · · ·
JanMar	3,500,712	480,128	1,898,138	456,520	1,387,427
AprJun	2,820,172	559,518	1,846,557	461,516	1,441,665
JulSep	2,301,369	559,121	1,712,532	365,165	1,433,114
OctDec	2,388,108	645,249	1,837,000	394,702	1,463,216
985:	,,		.,,	, ,	-,,
JanMar	2,534,419	610,130	1,839,220	333,347	1,421,436
AprJun	2,664,684	845,420	1,963,597	242,741	1,123,421
JulSep	2,476,419	697,449	1,635,601	207,594	985,911
OctDec	2,314,630	625,429	1,592,194	262,699	987,508
786:		sacinosis y Field	. ,	the start of star 2	r were grown as me
JanMar.	2,124,130	559,331	1,713,394	327,497	1,065,867
AprJun	2,195,012	589,025	1,577,287	337,943	1,058,272
JulSep	1,972,141	453,443	1,340,791	298,208	935,874
OctDec	2,047,082	597,066	1,273,978	320,639	837,137
987:	,,	, , , , , , , , , , , , , , , , , , ,	, ,		
JanMar	2,234,080	598,493	1,418,807	349,779	872,070
987:	, ,		, , ,	- , - , - ,	
January	748,576	205,480	462,409	118,254	251,478
February	676,047	206,298	453,416	103,572	294,416
March	809,457	186,715	502,982	127,953	326,177

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 7a.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowest	price		ge price of antity shipped
Period	Range		Weighted	Range	Weighted
		\$	average		average
	* *** *** *** *** *** ***		U.S.	producers	4 me us mt pe pe ad 40 dm to to to be be as po m
1986:	** ** *** ** ** **				N DOS 40 EM MA SO MA 20 ME ME ME SO AN AN DOS
October	1 41	***	* * *	1,620 - 1,693	1,653
November	1,503	- 1,617	1,570	1,550 - 1,683	1,629
December	1 F - x	***	***	1,597 - 1,670	1,648
987:		17 45°			
January	1,593	- 1.658	1,612	1,642 - 1,679	1,668
February			1,607		1,67
March			1,597		1,687
			0.5.	importers	
986:				\$1. 46 Bit \$1. 47 dr. \$1 and \$2 bit 100 are and and the data and 40 de	
OctDec	1,526	- 1,855	1,740	1,526 - 1,855	1,747
987:	4		£1		,
JanMar	1,620	- 1,948	1,815	1,620 - 1,948	1,754

^{1/} Grade 304, 2B finish, 16 gage, 36" - 48", coil.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 7b.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

1 × g			
a sound service the service se	n made and open specific per specific specific and specific specif		price of
Lowest	price	total quant	ity shipped
Range	Weighted	Range	Weighted
	average		average
	U.S. p	roducers	
***	***	***	***
1,594 - 1,759	1,644	1,594 - 1,759	1,65
***	***	***	**
***	***	***	**
***	***	***	**
1,493 - 1,758	1,653	***	**:
	U.S. i	mporters	
***	***	***	**
***	***	***	**
	*** 1,594 - 1,759 *** 1,493 - 1,758	*** 1,594 - 1,759 1,644 *** *** 1,493 - 1,758 1,653 U.S. i	Lowest price Weighted Range U.S. producers *** 1,594 - 1,759 *** *** *** *** *** *** ***

^{1/} Grade 304, 28 finish, 16 gage, 36" - 48", coil.

Table 8a.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

	Range		price Weight averag	ed e	Range	total quan	price of tity shipped Weighted average
, to at the set to be at the set to be			,		oducers		
986:							
October	-			Z	10 47%	. ***	***
November	-	. /		-	A contract	-	V1771 N. 1. 1.
December		***		***		***	***
987:			N. F.		¥ 34.		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
January		***	6 (15)	***	1.44	***	***
February	6.74	***		***	377	***	***
March		***		***		***	***
				.S. impo	rters		
986:	4 14 1				2.5		
OctDec		***		***		***	***
987: JanMar	CEE	1 427		1 557		***	***
Janmar	1,000 -	1,623		1,557		***	***

^{1/} Grade 430, BA finish, 24 gage, 12" - 24", coil.

Table 8b.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers 2/ and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

						Average pric	
		Lowest	price			total quantity	(5) 5
Feriod	Range		Weighted		Range	We	ighted
			average			av	erage
			U.S.	pro	ducers		
1986:	*********						
October		***	***			***	**
November		***	***			***	**
December		***	***			***	**
98/:							
January		***	***			***	**
February		***	***			***	**
March		***	***			***	***
		al der als es ais de des as ais :	U.S.	imp	orters		
1986:	** ** ** ** ** **						
OctDec		***	***			***	**
987:							
JanMar		***	***			***	**

^{1/} Grade 430, BA finish, 24 gage, 12" - 24", coil.

^{2/} Producers did not report sales to end-use customers during this period.

Table 9a.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

	S send	Lowest	orice		t		price of tity shipped
Period	Range	7.		d	Range		Weighted average
e4 %3 MM AN 80 MM GM AN WE BIT IS \$10 MM CF \$10 FF				U.S. p	roducers	~ ** ** ** ** ** ** ** **	PU DIG DIE CT 10 306 50 405 00 MA WY DIE ANY DW DA
986:				~~~~			
October		***	\$. A	***	2,091 -	- 2,123	2,103
November		***	4 4 4	* * *	2,016	- 2,095	2,090
December	4.4	* * *		* * *	2,071 -	- 2,083	2,077
787:							
January	, p	***	- 24	***	n. 4 y	***	***
February	100	* * *	8	* * *	+ 2 N	***	***
March	4	***	. * *	***	2,086	- 2,223	2,130
44 AA 36 No 40 AY 40 41 So So So So So 40 41 S	a de man des des de mes des des des	and the term and the term the real	Mrs. 40 40 400 54 Mrs. 54 40	U.S.	mporters		
986:				No. 500 NO 807 NO 8			
OctDec	*	***		***	(· · ·	***	***
987:							
JanMar	t W	***		***	T 4	***	***

^{1/} Grade 316, 28 finish, 16 gage, 36" - 48", coil.

Fable 9b.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

					Average p	
		Lowest	price		total quanti	ty shipped
Period	Range		Weighted	Range		Weighted
			average			average
			U.S.	producers		
986:	** ** ** ** ** ** ** **			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
October	-		-			
November	-		-		-	
December	_		-		-	
987:						
January		***	***		***	**
February	-		-		-	
March		***	***		***	**
AT 40 50 MM AN AN AN SM 40 MM 40 AN AN AN AN AN AN AN AN			U.S.	importers		
986:						
OctDec		* * *	***		***	**
987:						
JanMar		***	***		***	**

Table 10a.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers 2/ and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

			Lowest	price			price of tity shipped
	Period	Range		Weighted	Range		Weighted
			9	average		***	average
•				U.S.	importers	tion may been how you have also have been he	. 40 m or 50 pe da be 50 es as se se se se
1	1986:						
1	OctDec	1,447	- 1,570	1,501		***	***
-	JanMar	1,498	- 1,685	1,579	1,515	- 1,699	1,660

Table 10b.--Stainless steel sheets (cold-rolled) 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers 2/ and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

					AVE	erage p	rice of	
		Lowest	price		total	quanti	ty shipp	ed
Feriod	Range		Weighted	Range		,	Weighte	d
			average				average	
	** ** ** ** ** ** ** ** ** ** ** **		U.S. 1	mporters				
1986:	***********						64 04 to an ev or ms v	
Oct Dec		* * *	***			* * *		* * *
1987:								
Jan Mar		***	***		- 1	***		***

Large Was Siles I was

^{2/} Producers did not report sales to end-use customers during this period.

Table 11a. --Stainless steel plate 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowes	t price			Average total quan	price of tity shipped
Period	Range		Weigh	nted	Range		Weighted average
	. 44 40 64 00 40 40 40 64	***********		U.S.	producers	** ** ** ** ** ** ** ** ** ** **	
				** ** ** ** * * * *	~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
986:							
October		***	7. A	***	1,677	- 1,850	1,77
November		***		***	1,656	- 1,820	1,73
December		***		***	1,656	- 1,790	1,76
987:			· 4 * , * 1.1		The second second		the first the party of the
January		***		***	1,610	- 1,791	1,73
February	1 11 17 17 18	***	110.00	***	1,610	- 1,770	1,74
March	1,587 -	1,700		1,679		- 1,761	1,71
	the state of the s		Mark 1864 1864 1874 1874 1874 1874 1874 1874	u.s.	importers		
986:							
OctDec		***		***		***	**
.987:							
'Jan Mar		***		***		***	**
							-

^{1/} Grade 304, HRAP, 1/2" x 72" - 96" x 240" - 290".

lable 11b.--Stainless steel plate 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

								rice of	
Period	Range	.owest	price Weighted		Range	total	quanti	ty shipp Weighte	
, , , , , , , , , , , , , , , , , , , ,	nange		average		nange			average	
, we see an an we see an see See See see See see See se			Ū.	s.	producers				
986:	10 11 X5 90 V - 60 In 40 PM 60 V	• •• •• •• ••					~~~~		
October		***	*	**		*	**		**
November		***	*	**		*	**		**
December		***	*	**		*	**		**
987:									
January	1,660 - 1.	765	*	**		*	**	1 4	**
February		***	*	**		*	**		**
March		***	*	**		*	**		**
	** ** ** ** ** ** ** ** **								
			υ.	S.	importers				
986:				* * *					JAN 1800 BAN 1
UctDec		***	*	**		*	**		**
987:									
JanMar		***	*	**		*	**		**

^{1/} Grade 304, HRAP, 1/2" x 72" - 96" x 240" - 290".

(able 12a.--Stainless steel plate 1/r Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U. S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

						e is a grant	
Period	Range	Lowest		ed	Range	The second secon	e price of ntity shipped Weighted average
				u.s.	producers		
					** ** ** ** ** ** ** ** **		
1986)		1441	3. 10. 10.		- T. A.O.	0.570	Y 80 000
October		***		***	2,540	- 2,570	2,551
November		***	N. AND 18	***		***	***
December		***	8.2	***	90, 18, 75	***	***
1987:							
January	THE W	***	The P	***	2,329	- 2,540	2,423
February		***	4.6	***	2,342	- 2,523	2,424
March	to design the second	***	* F	***	1	- 2,440	2,410
				Ū.s.	importers		
1986:							
OctDec		***	4 / 4	***	4.6	***	***
1987:							
JanMar	-		100	-			• ••••

^{1/} Grade 316L, HRAP, 1/4" x 72" - 96" x 240" - 290".

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 12b.--Stainless steel plate 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

					Average		
XX		Lowest	(.E)	7	total quant		
Period	Range	ř	Weighted	Range		Weighte	d
			average			average	
			U.S.	producers			
1986:	M4 . 5 N . 24 41 F3 87 74 N	* in the top ** in the					
October		***	***		***		**
November		***	***		***	· *	**
December		***	***		***		**
198/:							
January		***	***		* * *		**
February		***	***		***		**
March		***	***		***		**
			U.S.	importers			
1986:	********			or gas det decides and and decided and a	- 40 es 40 es 40 es 60 es 60 es 60 es		
OctDec		***	***		***		**
1987:							
JanMar		***	***		***		**
		211 W ₁₂					

^{1/} Grade 316L, HRAP, 1/4" x 72" - 96" x 240" - 290".

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

lable 13a.--Stainless steel plate 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

	1. Martin					Average	price of
		Lowest	price	K	t	otal quant	ity shipped
Period	Range		Weigh	ted	Range		Weighted
			avera	ge			average
				U.S.	producers		de au un par 45 ma un pro me 60 un en m
1986:							
October	10 mg	***		***	1,781	- 1,940	1,858
November	1,758 -	1,904		1,796	1,759	- 1,920	1,82
December	A Section 1	***		***	1,775	- 2,030	1,87
987:					38		Co. din
January		***		***	1.818	- 1,950	1,87
February		***		***		- 1,916	1,88
March		***		***		- 1,860	1,82
				u.s.	importers		one was able took one book down poor and who were place of
		*. *. ** ** ** ** ** **					
986:							
OctDec		***		***	4.	***	**
987:							
JanMar		***	2 - 1	***	NY 5. 7	***	**

^{1/} Grade 304, HRAP, 1/4" x 72" - 96" x 240" - 290".

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 13b.--Stainless steel plate 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowest	•		F1 (A)	Average otal quant		pped
Period	Range		Weig aver	hted age	Range		Weig	
di And and the South Sec of the Sec of Sec of Sec of Sec of	·			U.S.	producers			V. 100 M. 010 Av. dek 10
986:								
October		***		***		***		***
November		***		***		***		* * 1
December	e k	***		***		***		**
987:								
January		***		***	1,920	- 2,370		2,140
February		***		***		***	9	**
March		***		***	1,865	- 1,940		1,922
	en des en de de de de de de de			U.S.	importers			
986:								
OctDec		***		***		***		***
JanMar		***		***		***		**

^{1/} Grade 304, HRAF, 1/4" x 72" - 96" x 240" - 290".

Table 14a.--Stainless steel plate 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowest	price		Average p total quanti	
Period	Range		Weighted average	Range		Weighted average
			U.S.	producers		
1986:	*******					
October		***	***	1 × 1 × 1	***	***
November		***	***		***	***
December		***	***	**	***	***
1987:						
January	2,143	- 2,320	2,228	2,143	- 2,385	2,317
February	2,143	- 2,242	2,191	2,220	- 2,345	2,254
March		***	***	2,143	- 2,323	2,245
			U.S.	importers		
1986:						
OctDec		***	***		***	***
1987:						
JanMar		***	***	4	***	***

^{1/} Grade 316, HRAP, 1/2" x 72" - 96" x 240" - 290".

fable 14b.--Stainless steel plate 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

					Average pric	e of	
		Lowest	price	tot	al quantity s	hipped	
Feriod	Range		Weighted	Range	We	Weighted	
* *			average		av	erage	
			U.S.	producers			
986:							
October		***	***		***	**	
November		***	***		***	**	
December		***	***		***	**	
987:	4						
January		***	***		***	***	
February		***	***		***	***	
March		***	***		***	**1	
	F1 No. 10 No. 20 No. 20 No. 20		u.s.	importers			
				177 AND 181			
986:							
OctDec		* * *	***		***	***	
987:							
JanMar		***	***		***	***	

^{1/} Grade 316, HRAP, 1/2" x 72" - 96" x 240" - 290".

(able 15a.—Stainless steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

			Lowest price						Average price of total quantity shipped				
Period	Range			- 1	Weigh avera		Range				Wei	ght	ed
						0.5.	producers						
1986:	** ** ** ** ** **												
October	1,854	-	2,280			2,098	2,082		2,448			:	2,187
November	1,927	••	2,190			2,095	2,024	_	2,270				2,190
December			***			***	8 4		***				***
1987:													
January	1,943		2,130			2,060	2,174	•	2,320			1	2,224
February	2,000	-	2,295			2,026	2,044		2,465			2.0	2,166
March	1,916	-	2,280			2,039	2,034	~	2,370			:	2,174
		• • •				u.s.	importers		** ** ** ** ** **		· · · · ·		
1986:		•											
OctDec	2,000	-	2,231			2,102			***				***
1987:	,					,							40
JanMar	2.002	_	2.350			2,217			***				***

^{1/} Grade 304, cold-formed, 1 1/2" - 4 3/4", round.

(able 15b.--Stainless steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		all and a second	•	e price of						
	-	price		ntity shipped						
Period	Range	Weighted	Range :	Weighted						
		average		average						
	U.S. producers									
1986:		~~								
October	1,980 - 4,108	2,463	2,509 - 4,108	2,977						
November	2,180 - 2,520	2,288	2,244 - 3,259	2,82						
December	2,026 - 2,580	2,473	2,026 - 3,379	3,045						
198/:			Je							
January	1,192 - 2,490	1,859	1,310 - 3,348	2,085						
February	1,261 - 2,420	2,336	1,734 - 3,292	2,39						
March	1,261 - 2,570	2,202	1,772 - 3,477	2,88						
		U.S.	importers							
1986:	************************									
Oct Dec	***	***	***	***						
198/:										
JanMar	***	***	***	***						

^{1/} Grade 304, cold-formed, 1 1/2" - 4 3/4", round.

Table 16a.--Stainless steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowest	orice		di aris		ge price of antity shipped		
Period	Range		Weigh		Range		Weighted		
			avera	je			average		
				U.S.	producers				
1786:									
October	2.380	- 2,580		2,421	2,462	- 3,119	2,59		
November		***		***		- 3,301	2,57		
December		***	*	***		***	**		
1987:					¥				
January	2.370	- 2.790	***	2,517	2,600	- 2.955	2,70		
February		***		***		- 2,894			
March		- 2,890		2,530		- 2,890			
u ng u wh we				U.S.	importers	and the state take the special state take.	tions, data unto solar della conse data sinte della conse dick della conse sinte		
1986:			** ** ** ** ** ** **						
OctDec	2 40 A		u 2: 10		12 S 12		The second of th		
1987:			X E		W				
JanMar	ð á		*		70 % 1				
	100 18 5								

^{1/} Grade 303, cold-formed, 20/32" - 31/32", round.

Table 16b.--Stainless steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

	lowest	price		Average pr	rice of ty shipped
Period	Range	Weighted average	Range	ar quantr	Weighted average
N. 44 PG 154 15 N. 18 M. 15 N. 46 A. 18 N. 18 P. 18		U.S. p	roducers		
986:	AT \$1.54 TO \$5 AT \$1 VE 170 LE ON AS AT AT AT AT A				
Uctober	2,240 - 3,360	3,193	2,941 -	4,204	3,60
November	2,580 - 3,140	2,910	3,050 -	4,407	3,58
December	2,484 - 3,480	3,041		***	**
987:					
January	2,434 - 3,360	3,116	2,612 -	4.033	3,53
February	2,580 - 3,380	2,957	•	***	**
March	2,484 - 3,190	2,918	2,790 -	4,207	3,48
		U.S. 1	mporters		ne had an and the the an ability and an
986:	the all and the second and the action of the second and the second	The Bride Bride and the Min and the Color of the Color		** ** ** ** ** ** ** ** ** ** ** ** **	eef que an 1866 ans der des lans van 1866 and 1866
OctDec	***	***	y -	***	**
98/:					
Jan Mar	***	***		***	**

^{1/} Grade 303, cold-formed, 20/32" - 31/32", round.

Table 17a.—Stainless steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to steel service centers or distributors, by periods indicated, October 1986 - March 1987

(Dollars per ton)

Period	Range	Lowest	price Weigh avera		Range	Averag total qua	e price (ntity sh: Weigh aver	ipped nted
				U.S.	producers			
1986:			., ., ., ., ., ., ., ., ., .					
October		***		***		***		***
November		* * *		* * *		***		***
December		***		***	54.7	***		***
1987:				*				
January	2,040	- 2,180		2,099	2,100	- 2,180		2,131
February	1,820	- 2,061		1,987	ti ni	***		***
March	1,962	- 2,890		2,237		***		***
	nemer states after Market states at		the later with which about again their	U.S.	importers	dies not the der and that the des days		were what with blist state office dis-
1986:	THE SEC ALL AND ADDRESS OF	***************************************				00 No. 20 40 do 90 00 00 00		
OctDec		* * *		***	1,887	- 2,710		1,989
JanMar		***		***	1,818	- 2,680		1,956

^{1/} Grade 304, hot-rolled, 1 1/2" - 4 3/4", round.

(able 17b....Stainless steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

	** *** *** ** ** *** ***	Lower	st price		Average price of total quantity shipped			
Period		Range	Weighted	Range	Weighted			
re1100		vande	average	nange	ayerage			
			arer age	4	a, a, a ga			
AR 48 GOT 34 WE SE ST -			U.S.	producers				
1986:								
October	r	1.142 - 3.760	1,852	1,142 - 3,76	0 2,091			
Novemb	61	2,100 - 2,815	2,291	2,130 - 2,70	0 2,452			
	er	1,600 - 3,216	1,848					
987:			1					
Januar	y	630 - 2,346	1,478	900 - 1,14	2 1,352			
	ry	***	***	1,108 - 2,64	4 1,951			
		1,096 - 2,500	1,856	1,096 - 2,69	0 2,150			
			U.S.	importers				
i an		****** *** ** ** ** ** ** ** ** ** **		THE ST. WHI ST. M. ST. W. ST. SH. V. S. ST. ST. AND ST. WE WAS MAD BEEN				
1986:								
OctDe	ec	••	***					
1987:	`							
Jan Me	er	ř	-	~				

^{1/ 6}rade 304, hot-rolled, 1 1/2" - 4 3/4", round.

lable 18a. -- Stainless steel bars 1/: Ranges and weighted averages of lowest and net selling prices and average price of total quantity shipped by U.S. and producers and importers to steel service centers or distributors, by peniods and indicated. October 1986 -- March 1987

(Dollars per ton)

Period	Lowest Range		price Weighted average		Range		ge price of antity shippedad Weighted average
			* ** ** ** ** *** ***	U.S.	producers		
1786:				*** ** ** ** * · · · ·			
October	* * *	***		***		***	199acv##*
November	F *	***		***			10 det 7 ##*
December	1:400		4	1,874		- 2,140	1,880
1987:	1,700	1. 1 1 7 0		1,507		2,110	- A CONTRACT
January	1:492	- 2.140	3 7 1	1,940	** 1	***	
February			1 N 4	1,782	428	***	
March	.,,	***		***	,	***	***
1101 011	-						
		era em tera tera por em tera des sem sem se	es sen que des sen seus es seus	U.S.	importers		ne tite the day vice and give also seen total give also also also take the
1 X X X II = 2							188*
1986:					•		:440:50
OctDec		***		***		***	± * * *
1987:							
JanMar		* * *		***		* * *	***

1/ Grade 410, hot-rolled, 1 1/2" - 4 3/4", round.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

The state of the second of the state of

Table 18b.--Stainless steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowes	t price		+	nt.		e price o tity ship	
Feriod	Range	Cowas	Weig	ahted age	Range	01.	ar yuan	Weigh avera	ted
				U.S.	producers	•			
986:									
October		***		***	1,380	••	3,709		2,921
November		***	x x 2	* * *	gara el		***		**
December		***		***		*	***		**
98/:									
January	2,400	- 3,040		2,740	2,560	**	3,284		3,096
February		- 3,060		2,237	1,260				3,190
March		- 3,034		2,212	1,520		•		3,098
	*** *** *** *** *** ***			U.S.	importers			the fact of the state of the st	
986:									
OctDec		•-		**		••			
787:									
Jan. Mar				ř.		-			

^{1/} Grade 410, hot-rolled, 1 1/2" - 4 3/4", round.

Table 19.--Stainless steel wire rod 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowest	price			erage price of quantity shipped
Period	Range		Weig aver	lited age	Range	Weighted average
		·	** ** ** ** ** ** **	U.S.	producers	
986:					· 44 ha 44 a · 54 a · 1 PE 194 de 24 ma 25 ha da um	
October		***	į	***	1,663 - 4,	000 1,79
November		***		***	1,704 - 1,	946 1,76
December	1,160	- 3,750		2,145	1,652 - 3,	750 1,75
987:	• 20 20 40					4
January	1.620	- 1.740	ar in the	1,647	1,707 - 1,	873 1,77
February		- 1,700		1,660	1,704 - 1,	,
March		- 1,720		1,680	1,698 - 1,	
,	.,	-,		- ,	-1	
				U.S.	importers	
986:					THE REP. SEC. SEC. SEC. SEC. SEC. SEC. SEC. SEC	
OctDec		***		***		*** **
987:				ı		
JanMar	1.607	- 1.958		1,661	1,622 - 1,	958 1,71

^{1/} Grades 302 or 304, .217" - .250", round.

Table 20.—Alloy tool steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

	Lowest	price	8		e price of ntity shipp	ed
Period	Range	Weighted average	Range		Weighte average	d
		U.S.	producers			a me see .
986:	************			** ** ** ** ** ** ** ** **		
October	1,956 - 4,000	2,196		***		**
November	1,956 - 4,980	2,234		* * *		**
December	***	***	2,120	- 2,985	2	, 44
987:						
October	1,960 - 3,980	2,231		***		**
November	1,958 - 3,360	2,156	2,080	- 3,593	2	,66
December	1,960 - 6,960	2,459	2,300	- 7,310		,57
		u.s.	importers		this top of the section of the secti	
986:		entre en a vocament es que un mon un august				
OctDec	***	***		***		**
JanMar	1,900 - 3,140	2,113		***		**

^{1/} Grade H-13, annealed, rough-turned, 3 1/8" - 5 1/16", round.

Table 21.--Alloy tool steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

		Lowest	nrico		Average total quant	
Period	Range	Tark 1	Weighted average	Range	, was	Weighted average
,		**************************************	0.S.	producers		8.4 pin viv en 1,0 km pe 1.0 pe 10 pe
1986:						ed the art are ear and the tree and the
Uctober	5,400 -	7,200	5,902	5,84	- 8,026	6,265
November	5,300 -	7,200	5,950	5,903	5 - 7,634	6,371
December	5,400 -	7,200	5,841	6,100	- 7,951	6,856
1987:		e 1 - 1 - 2 - 2				
October	5,158 -	7,000	6,238	5,713	3 - 7,232	6,284
November	5,293 -	7,000	6,063	5,836	- 7,320	6,209
December	5,300 -	6,860	5,967	5,683	3 - 7,207	6,241
		** ** ** ** ** ** **	U.S.	importers		
1986:						
OctDec	5.665 -	6.620	5,796	5.665	5 - 6,754	6,013
1987:	,		-,	- 21	-1	-,
JanMar	* 3	***	***	t-q.	***	***

^{1/} Grade M-2, annealed, centerless ground or rough turned, i 13/16" - 3", round.

Table 22.--Alloy tool steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

Period	Range	Lowest price nge Weighted average		to Range		price of tity shipped Weighted average
• • • • • • • • • • • • • • • • • • •			U.S. pr	oducers		
1986:						
October		***	***		***	***
November		***	***		***	* * *
December		***	***		* * *	***
1987:						
October		* * *	***	2,400 -	5,300	2,948
November		***	***		* * *	***
December		***	***	2,400 -	3,780	3,011
		e de vide pa es ei	U.S. i	mporters	** *** *** *** ** ** **	
1986:	made and the ages of the marriage states	* ** ** ** ** **		en en an		
OctDec	*	***	***	2,906 -	3,625	3,488
198/:						
Jan Mar		* * *	***		***	***

^{1/} Grade D-2, annealed, rough turned, 4 1/16" - 6", round.

Table 23.--Alloy tool steel bars 1/: Ranges and weighted averages of lowest net selling prices and average price of total quantity shipped by U.S. producers and importers to end-use customers, by periods indicated, October 1986 - March 1987

(Dollars per ton)

2 5 2 E T .		Lowest	price		Average price of total quantity shipped			
Period	Range	** } ** \$* *.	Marchtad	Range		Weighted average		
			U.S. pro	ducers	- m - m - 1 m - m - m - m - 4			
986:	M V 1 1 1 40 11 40 1			* ** *** *** ** ** ** **	va es en es en e-			
October		***	***	2,760	- 6,493	4,302		
November		***	***	***	***			
December	2,700	- 5,300	3,314	2,760	- 5,846	4,33		
987:	200							
October		***	***	4,640	- 5,878	5,42		
November		***	***	4,628	- 5,784	5,35		
December	3,257	- 5,440	4,784	4,633	- 6,118	5,77		
			U.S. in	porters				
986:			THE SE					
OctDec		***	***	y	***	**		
987:	1 33							
JanMar		***	***		***	**:		

1/ Grade D-2, annealed, cold finish, decarb free, 2" - 2 1/2" thick, 3" - 4" wide, flat.

Table 24.--Certain stainless steel and alloy tool steel: U.S. importers' unfilled orders from foreign sources, by types, as of December 31, 1986 and March 31, 1987

(In tons)

			Alloy tool steel, all	All products subject to		
Date	Sheets and strip	Plate	Bar	Rod	forms	relief
1986: Bec. 31	17,361	1,906	4,643	2,984	7,364	34,258
1987: Mar. 31	21,324	2,514	3,842	2,545	7,641	37,866

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 25.--Certain stainless steel and alloy tool steel: U.S. importers' inventories, by types, as of December 31, 1986 and March 31, 1987

(In tons)

	,		lloy tool teel, all	All products subject to		
Date	Sheets and strip	Plate	Bar		orms	relief
1986: Dec. 31	4,004	***	6,153	* * *	9,263	21,263
198/: Mar. 31	3,551	***	5,557	***	8,628	19,589

2 2 2

UNITED STATES INTERNATIONAL TRADE COMMISSION

WASHINGTON, D.C. 20436

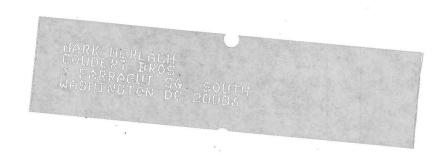
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